

Report No.:

Test Time: 2020-10-30 20:19

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS0210W12V30KD60 (不带帽沿CXM-7, 10.55W)

Lamp Catalog: CXM-7-30-80-36

Voltage: 11.9 V

Power: 10.40 W

Lamp Description: DDC10WB12S-230

Current: 0.967 A

Power Factor: 0.906

Volt Amps: 11.51 VA

## Photometric Results

CIE Class: Direct

Measurement Flux: 677 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H84.4,H49.2,H31.6,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V86.7,V50.4,V32.5,V2

Luminaire Efficacy Rating (LER): 65.14

Max. Intensity: 874.59 cd

S/MH(C0/C180): 0.76

Total Rated Lamp Lumens: 677.0 lm

Efficiency: 100%

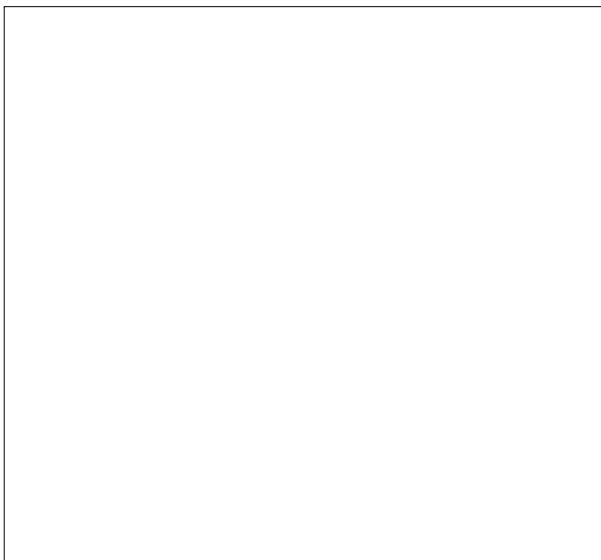
Upward Ratio: 1%

Central Intensity: 871.99 cd

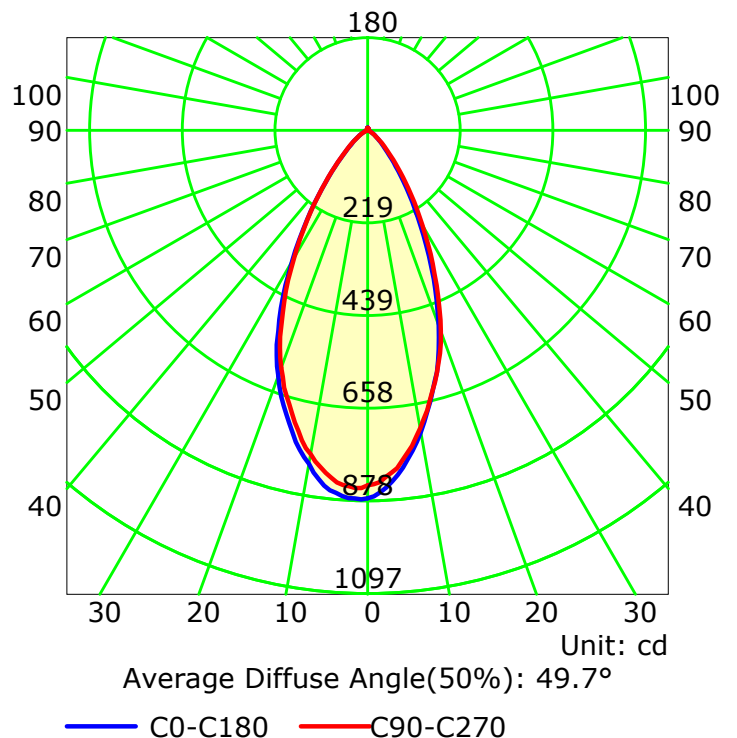
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 0.78

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

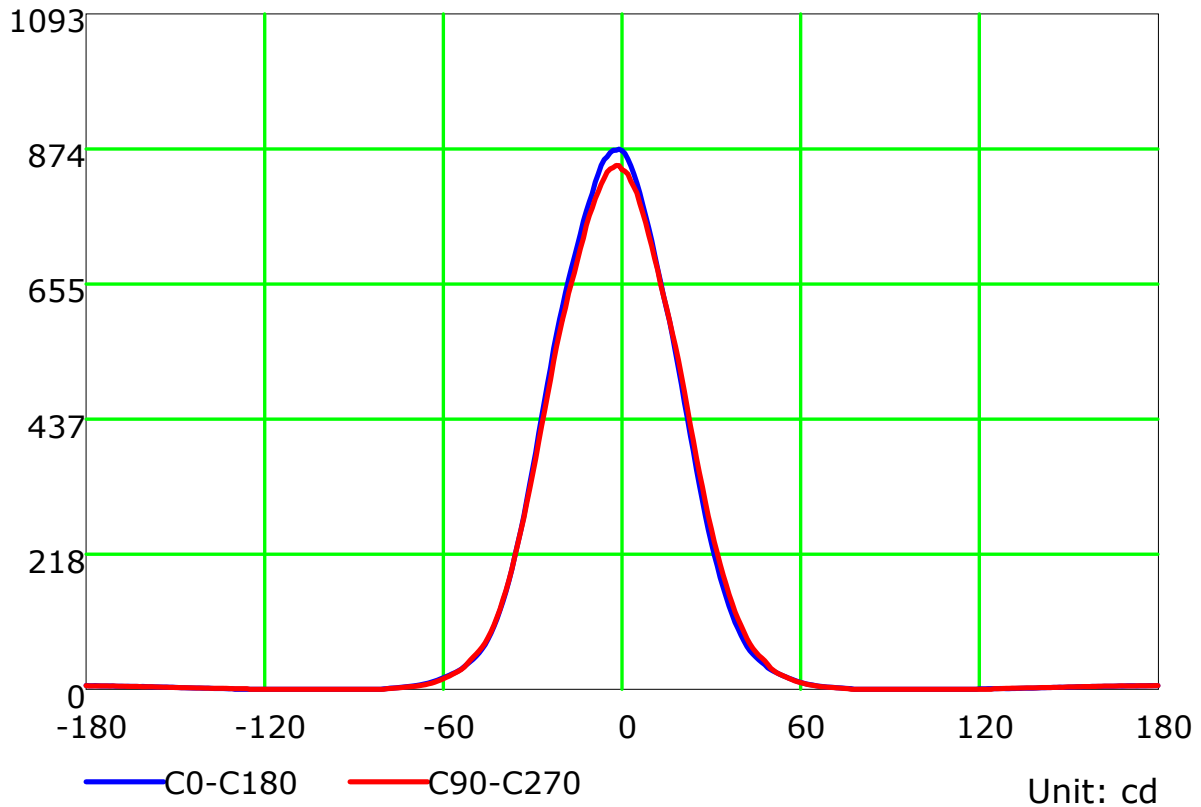
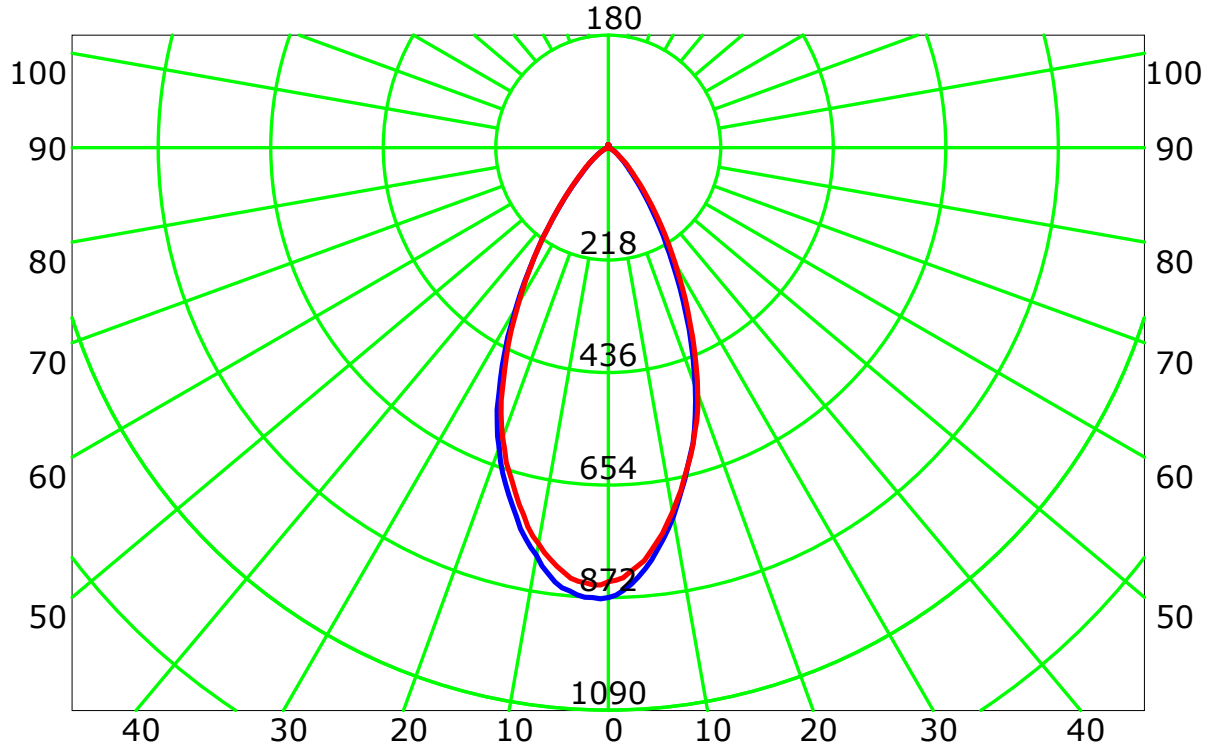
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

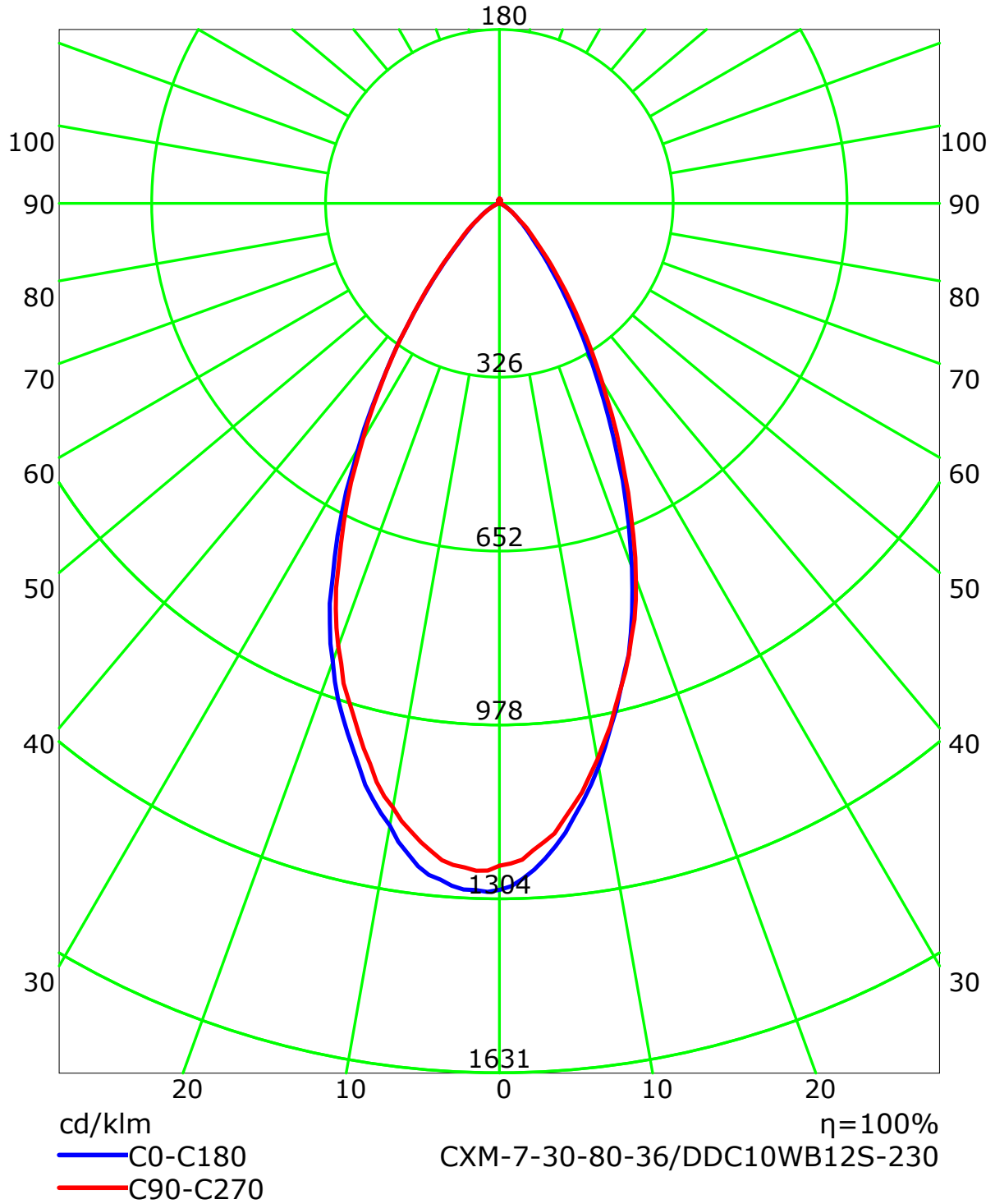
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



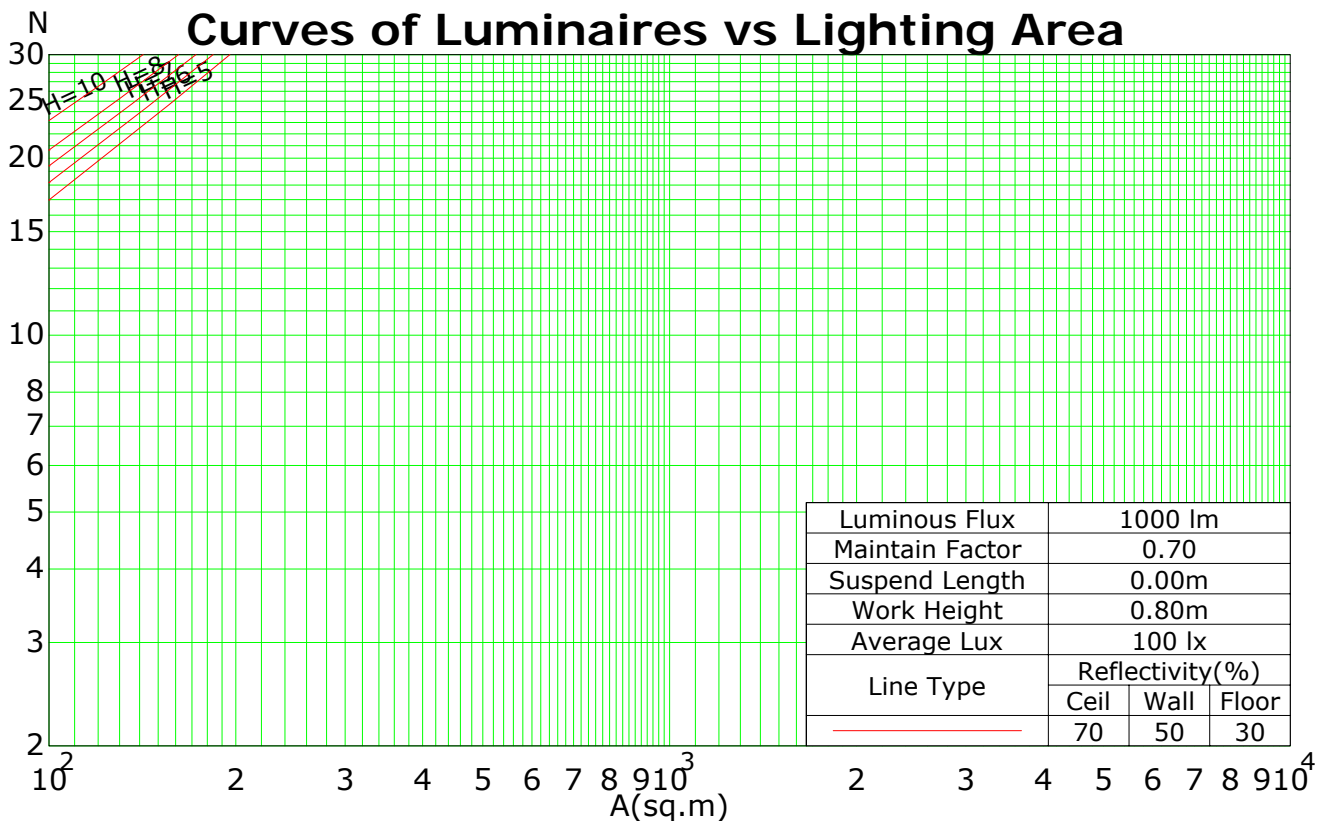
C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### Coefficients Of Utilization - Zonal Cavity Method

|     |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RC  | 0.8      | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0  |
| RW  | 0.7      | 0.5 | 0.3 | 0.1 | 0.7 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0  |
| RCR | RF = 0.2 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 0   | 119      | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1   | 113      | 110 | 108 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92 |
| 2   | 107      | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85 |
| 3   | 101      | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 86  | 83  | 88  | 84  | 82  | 85  | 83  | 80  | 79 |
| 4   | 96       | 88  | 82  | 78  | 94  | 87  | 82  | 77  | 85  | 80  | 76  | 82  | 79  | 75  | 80  | 77  | 74  | 73 |
| 5   | 91       | 82  | 76  | 72  | 89  | 81  | 76  | 71  | 79  | 74  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 68 |
| 6   | 86       | 77  | 71  | 67  | 85  | 76  | 70  | 66  | 75  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 63 |
| 7   | 82       | 72  | 66  | 62  | 81  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59 |
| 8   | 78       | 68  | 62  | 58  | 77  | 68  | 62  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 55 |
| 9   | 74       | 64  | 58  | 54  | 73  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52 |
| 10  | 71       | 61  | 55  | 51  | 70  | 60  | 55  | 51  | 60  | 54  | 51  | 59  | 54  | 51  | 58  | 54  | 50  | 49 |

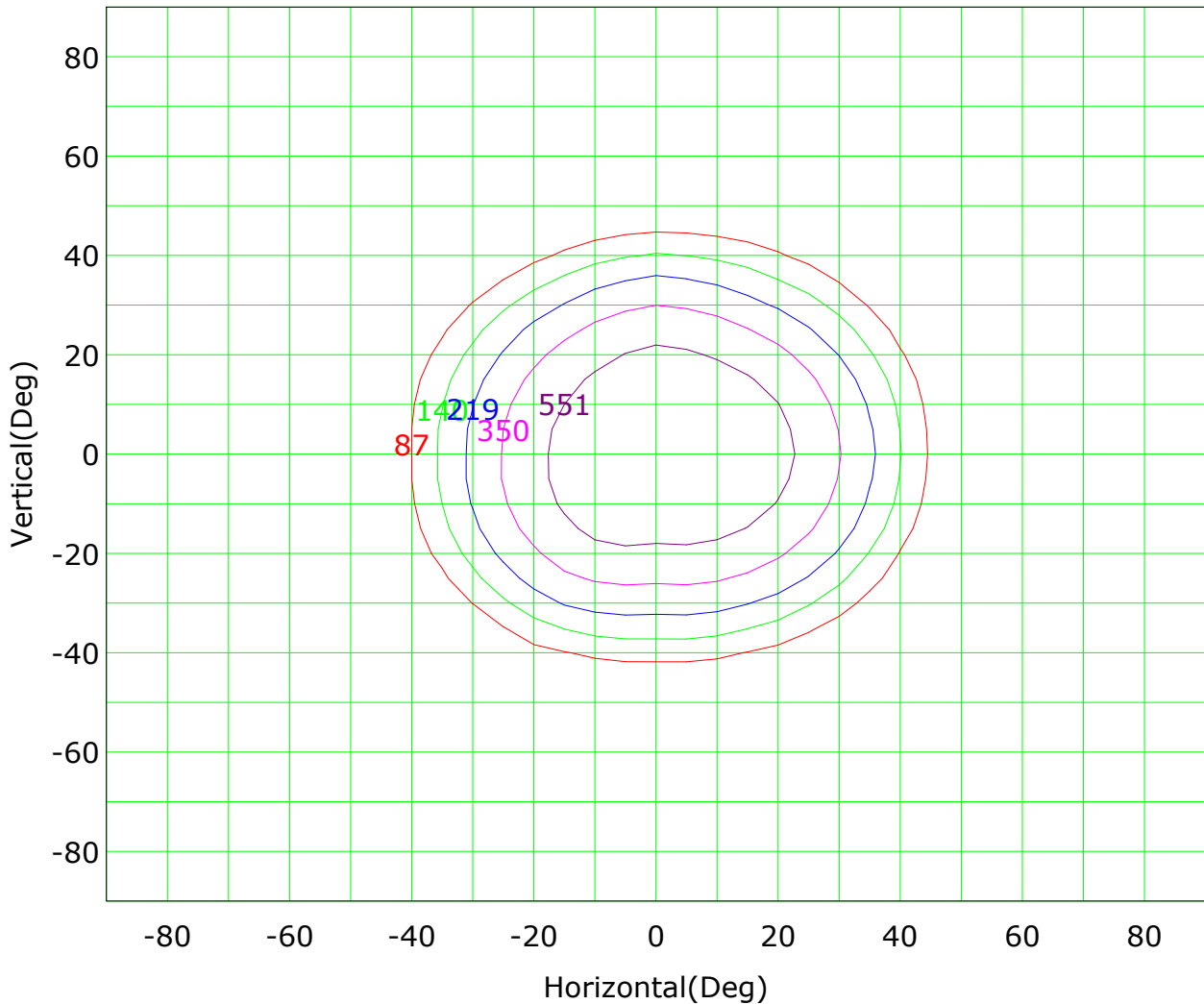
Spacing Criteria (0-180): 0.76  
 Spacing Criteria (90-270): 0.78  
 Spacing Criteria (Diagonal): 0.78



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



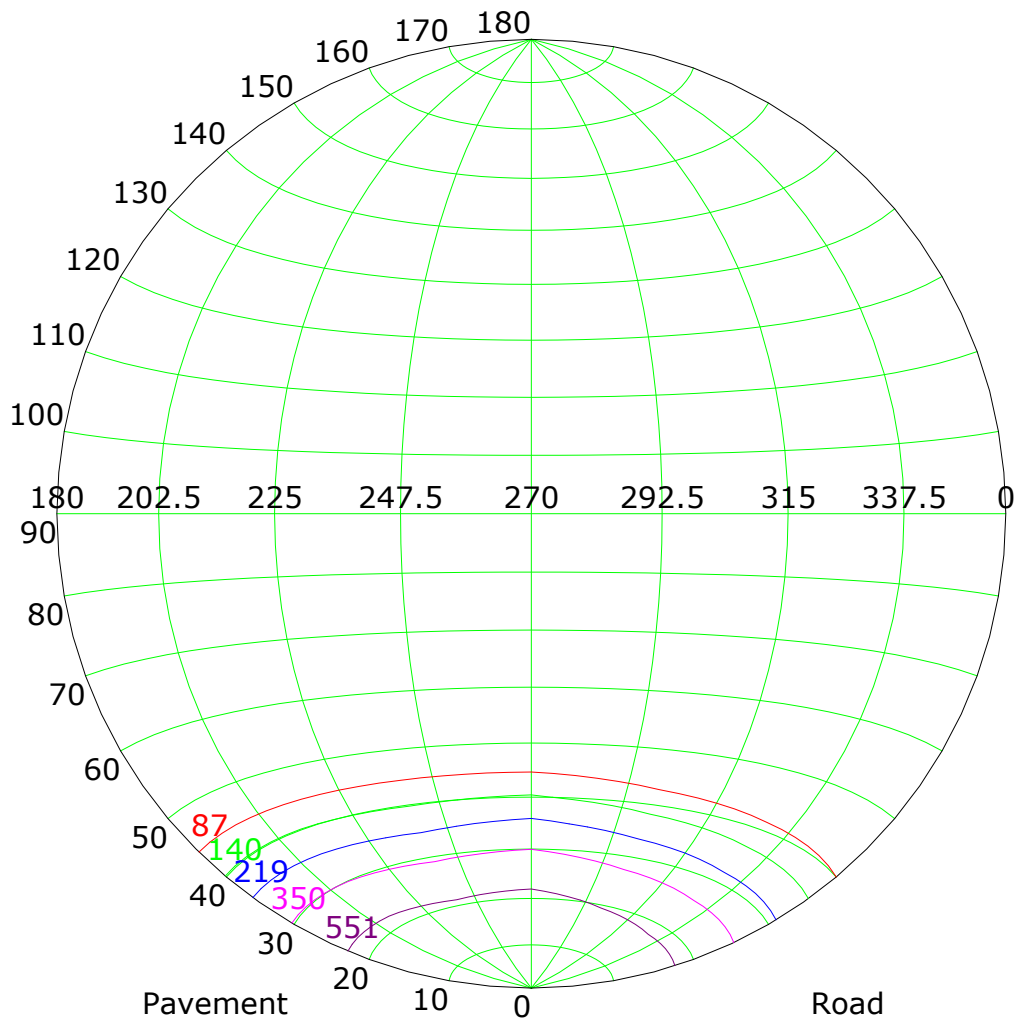
Imax (100%): 875 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 87 cd  | — ( 16%): | 140 cd |
| — ( 25%): | 219 cd | — ( 40%): | 350 cd |
| — ( 63%): | 551 cd | — (100%): | 875 cd |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (sphere)



Imax (100%): 875 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 87 cd  | — ( 16%): | 140 cd |
| — ( 25%): | 219 cd | — ( 40%): | 350 cd |
| — ( 63%): | 551 cd | — (100%): | 875 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

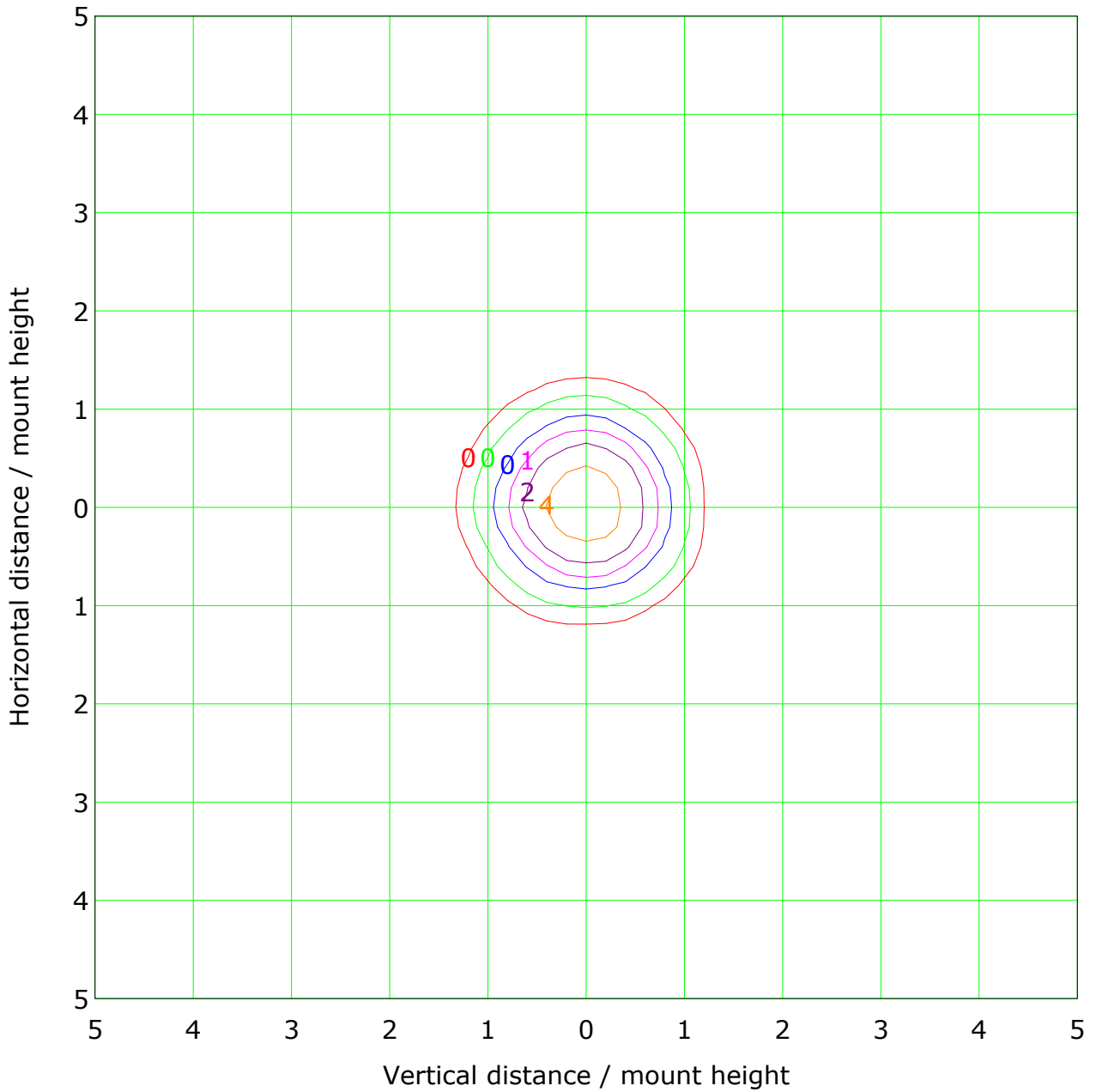
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



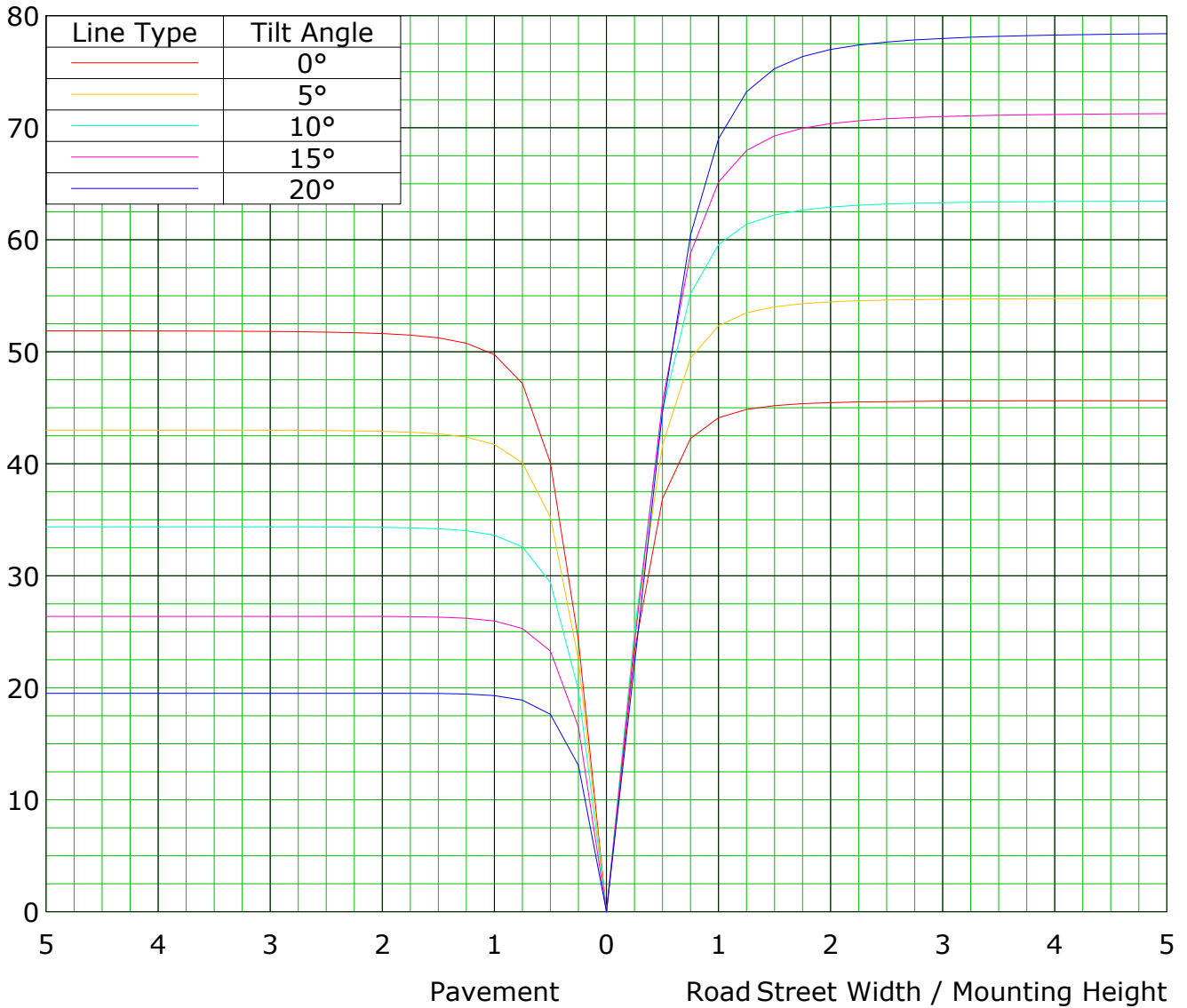
|   |  |                       |  |
|---|--|-----------------------|--|
| Mounting Height: 10.0m  |  | Max Lux(100%): 8.7 lx |  |
| <ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.1 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.4 lx</li> <li><span style="color: purple;">—</span> (20%): 1.7 lx</li> <li><span style="color: green;">—</span> (100%): 8.7 lx</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: cyan;">—</span> ( 2%): 0.2 lx</li> <li><span style="color: magenta;">—</span> (10%): 0.9 lx</li> <li><span style="color: orange;">—</span> (50%): 4.4 lx</li> </ul> |                       |  |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

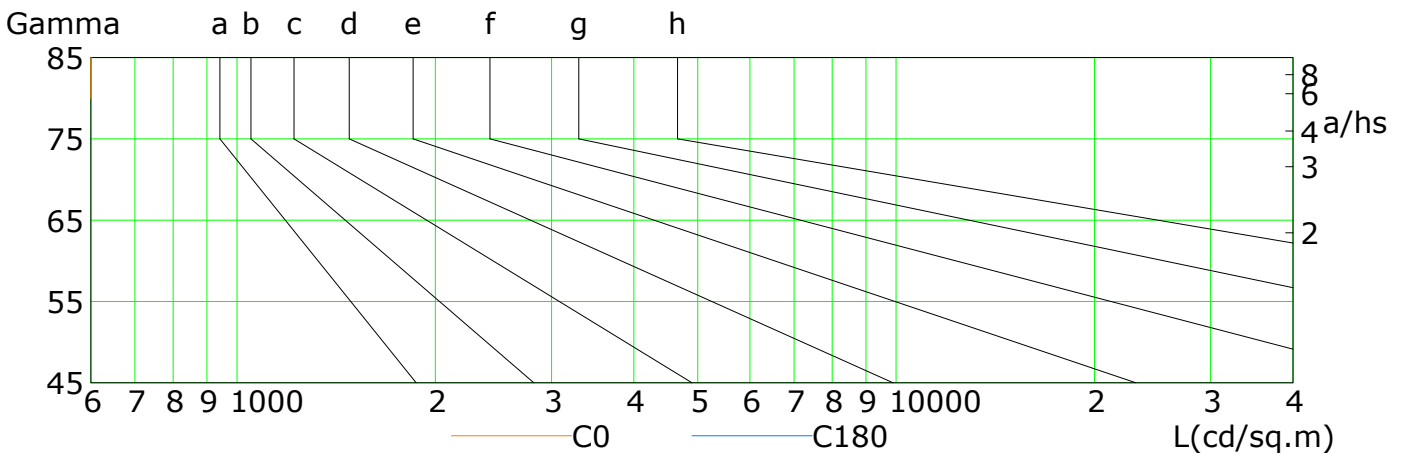
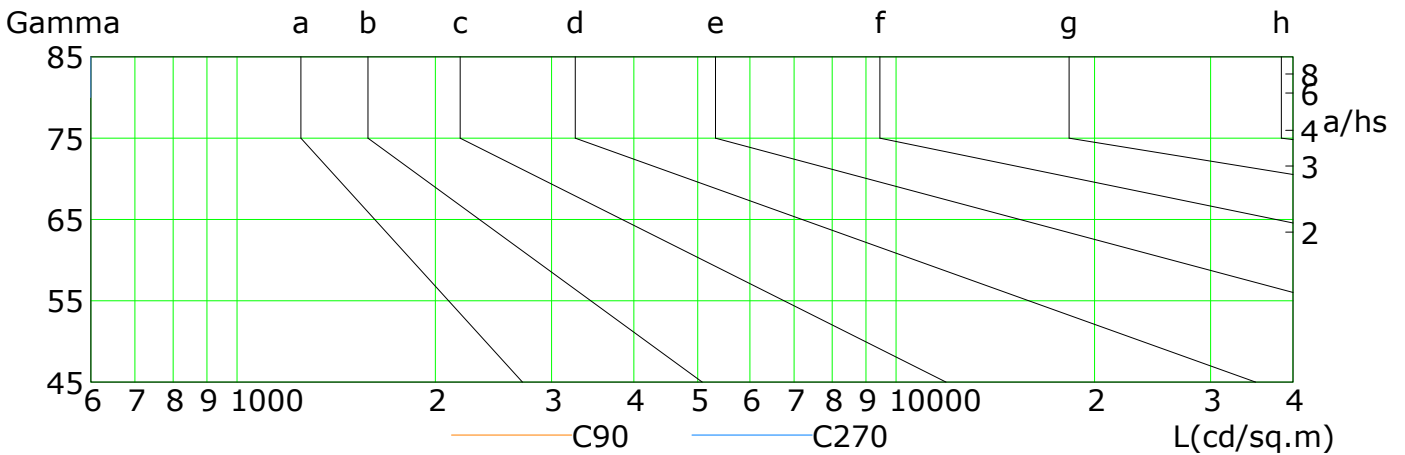
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |      |       |       |       |       |       |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
|        |         | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.15   | A       | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.50   | B       |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85   | C       |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20   | D       |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55   | E       |                  |      |      |       | 2000  | 1000  | 500   | <=300 |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 52  | 32  | 20  | 11  | 6   | 4   | 2   | 0   | 0   |
| C90        | 60  | 34  | 20  | 11  | 6   | 3   | 2   | 0   | 0   |
| C180       | 81  | 49  | 30  | 19  | 10  | 6   | 3   | 1   | 0   |
| C270       | 84  | 52  | 29  | 17  | 9   | 5   | 3   | 0   | 0   |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

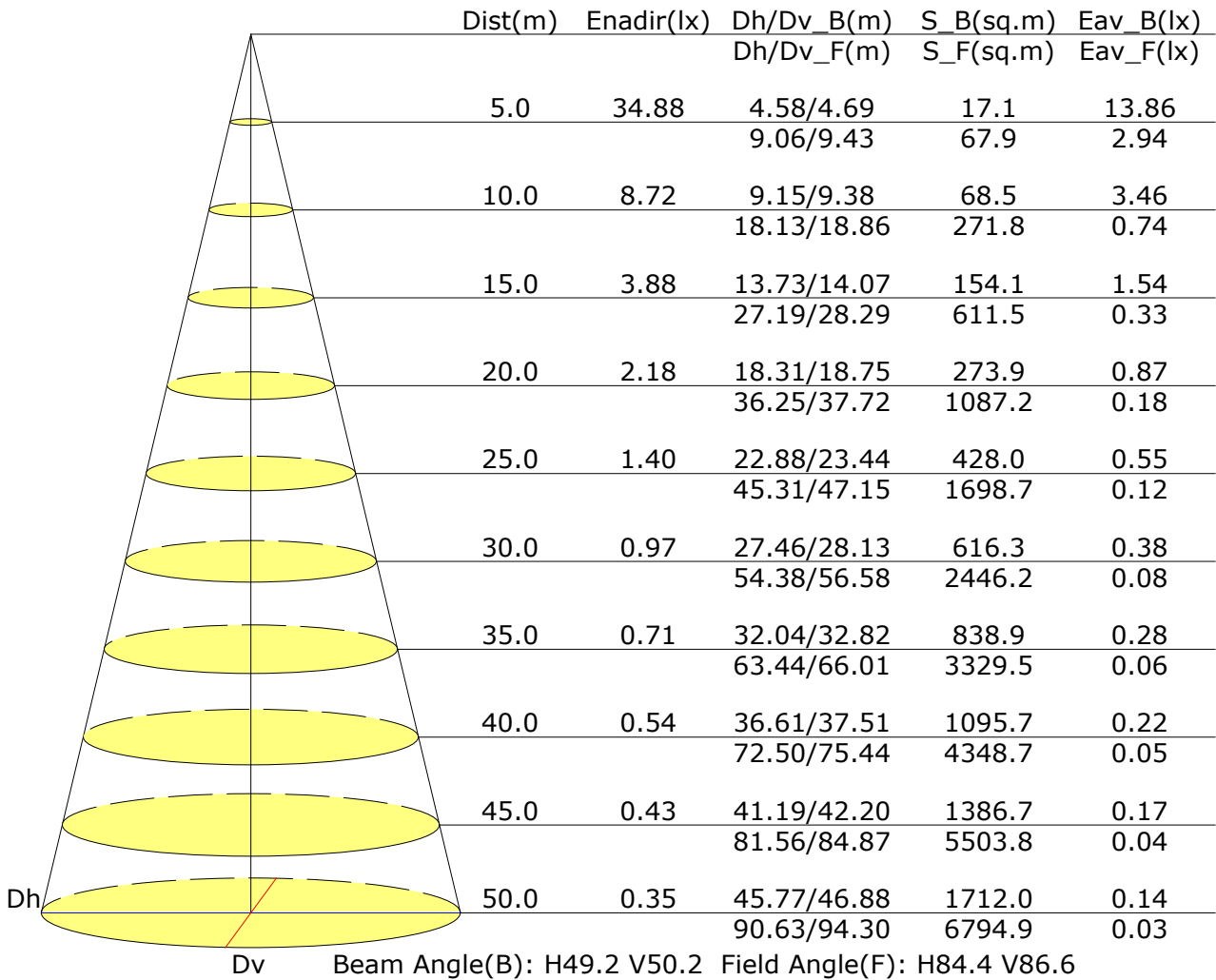
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

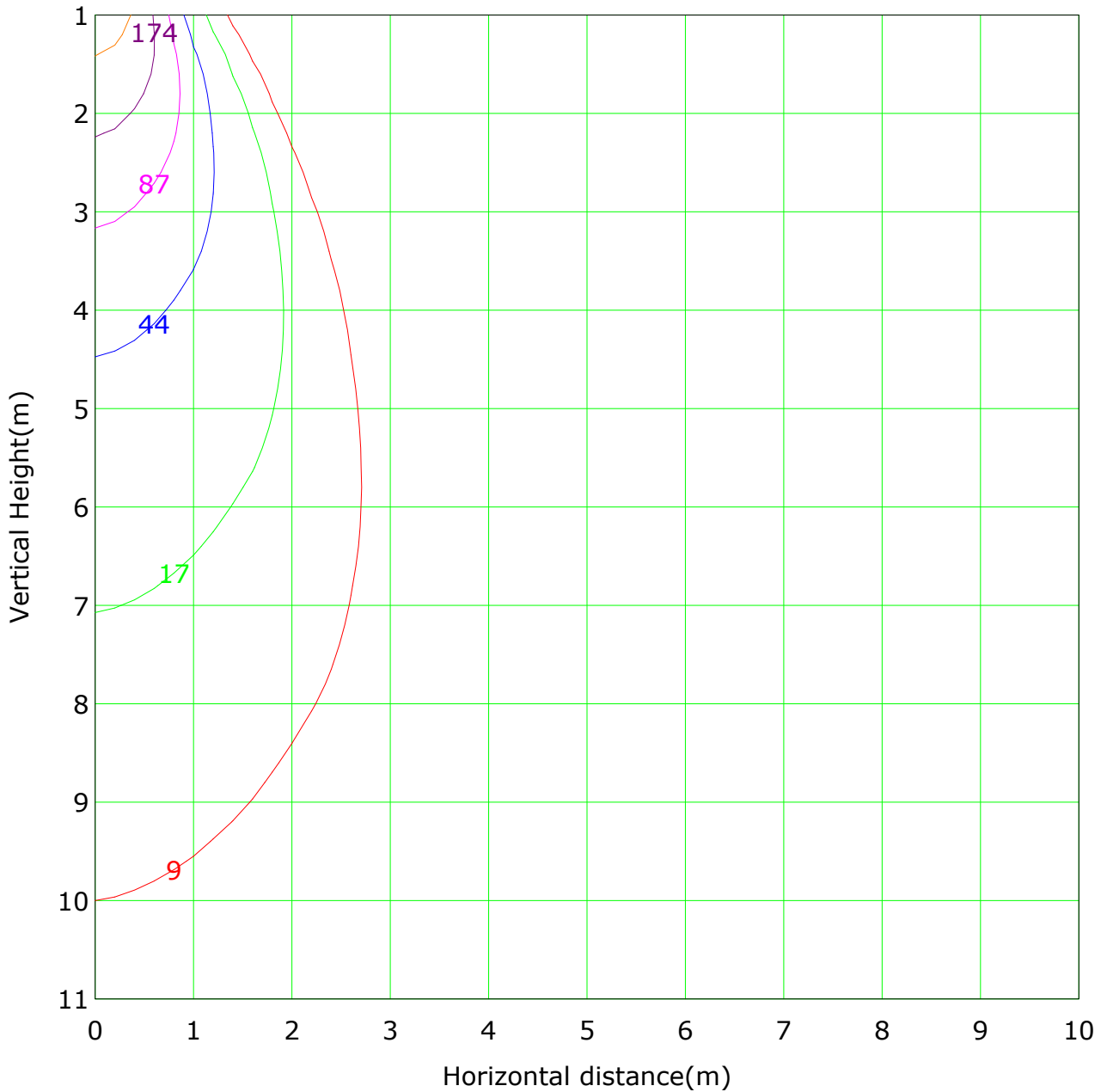
## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 872.0 lx

|                    |                    |
|--------------------|--------------------|
| — ( 1%): 8.7 lx    | — ( 2%): 17.4 lx   |
| — ( 5%): 43.6 lx   | — ( 10%): 87.2 lx  |
| — ( 20%): 174.4 lx | — ( 50%): 436.0 lx |
| — (100%): 872.0 lx |                    |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### Area Flux Table

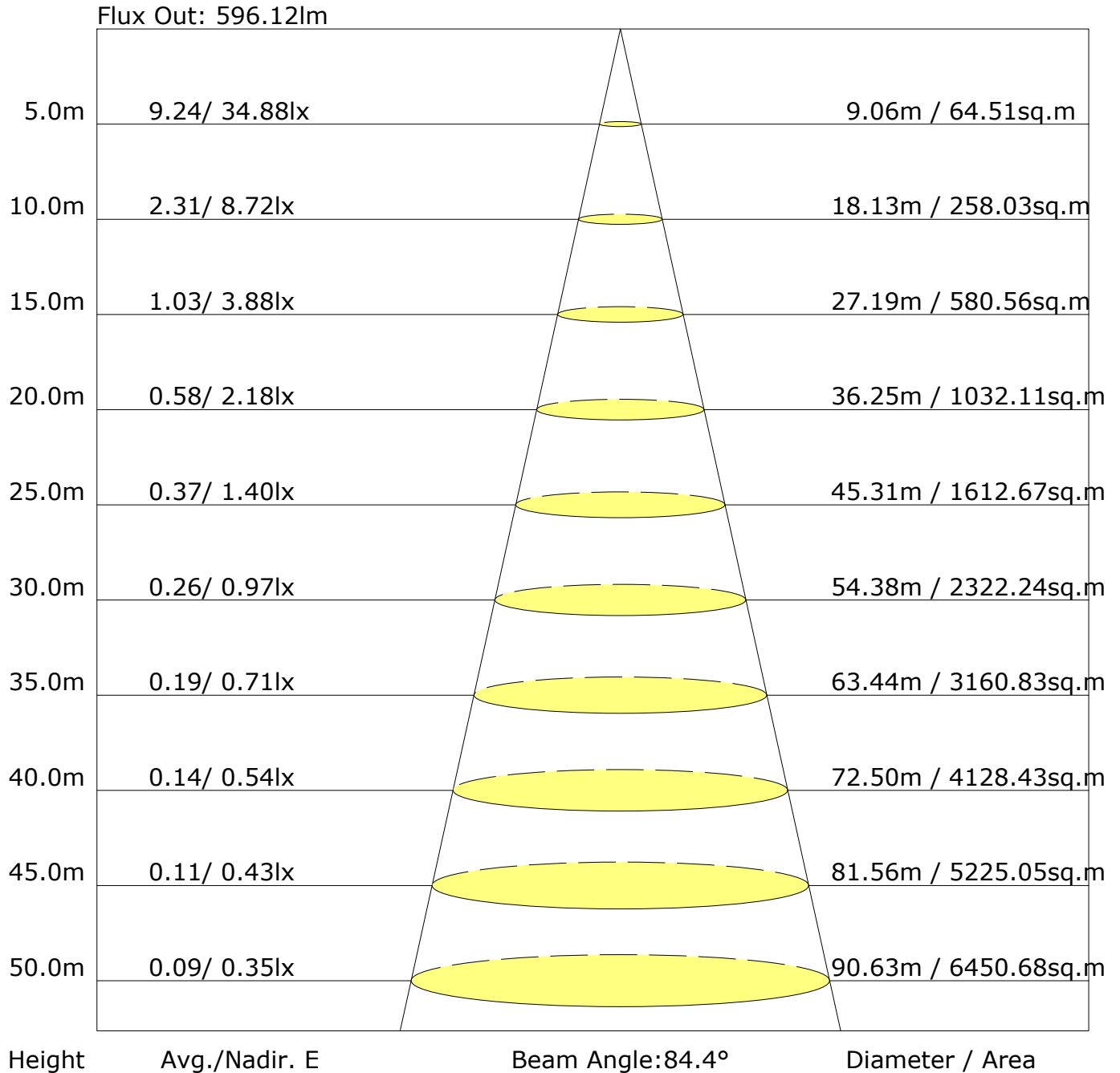
Unit: lm

|         |         | Vertical plane |     |     |      |      |      |       |       |       |      |      |      |     |     |     |     |     |     |     |         |         |
|---------|---------|----------------|-----|-----|------|------|------|-------|-------|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|---------|---------|
|         |         | -90            | -80 | -70 | -60  | -50  | -40  | -30   | -20   | -10   | 0    | 10   | 20   | 30  | 40  | 50  | 60  | 70  | 80  | 90  |         |         |
| Flux(E) | Flux(T) | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Flux(E) | Flux(T) |
| -90     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -80     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -70     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -60     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -50     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -40     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -30     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -20     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| -10     | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 0       | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 10      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 20      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 30      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 40      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 50      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 60      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 70      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 80      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 90      | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| Flux(E) | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| Flux(T) | 0.0     | 0.2            | 1.1 | 3.9 | 11.5 | 25.4 | 63.3 | 102.7 | 126.9 | 123.8 | 91.7 | 48.3 | 15.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 669     | 600     |
| Flux(E) | 0.0     | 0.0            | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 600     | 600     |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## UGR Table

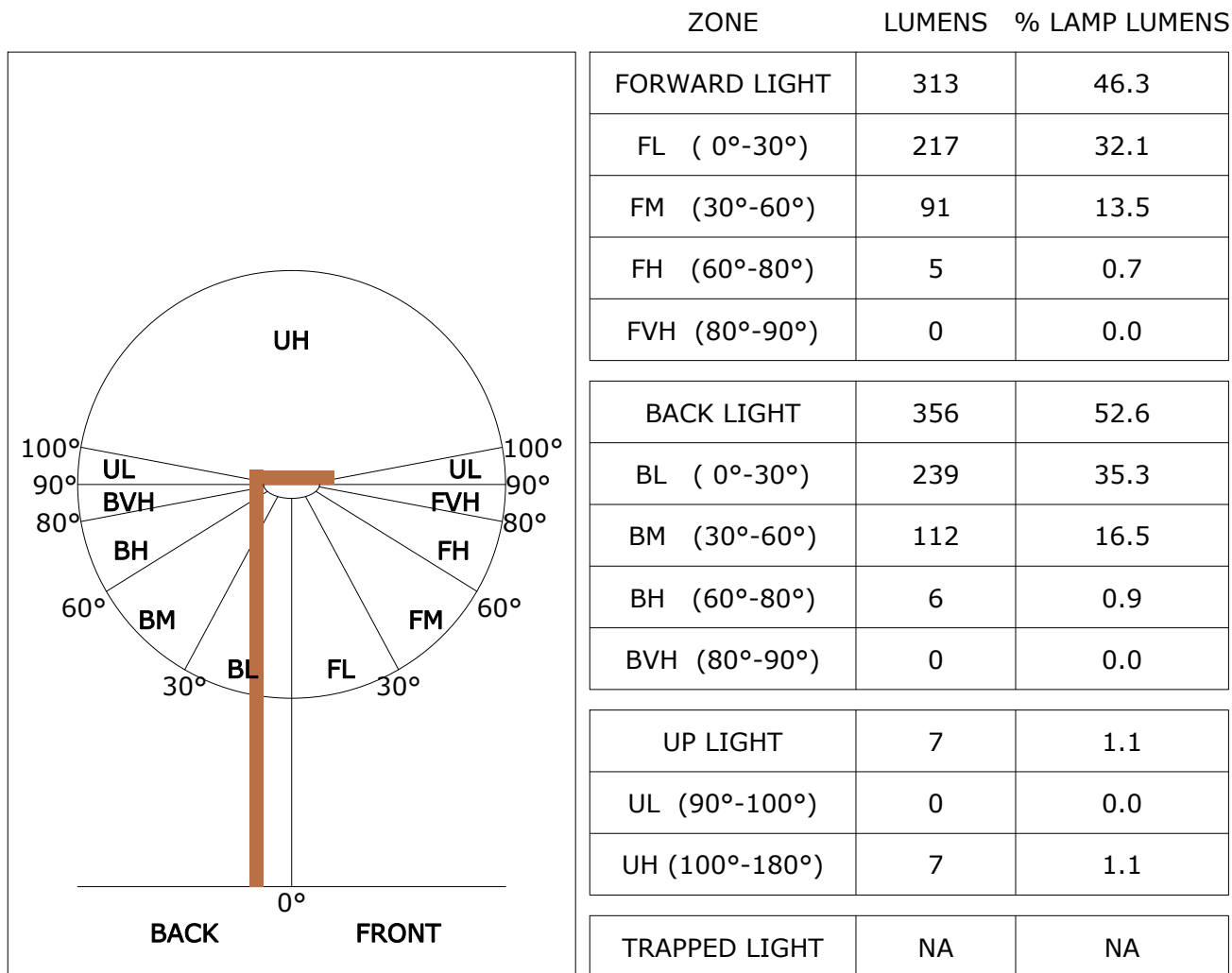
|  |                  |       |       |       |       |                |       |       |       |       |
|--|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance:                                       |                  |       |       |       |       |                |       |       |       |       |
| Ceiling (cavity)                                   | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall   | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane                                    | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions                                    | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H Y=2H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H  | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H   | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| Variations with the observer position at spacings: |                  |       |       |       |       |                |       |       |       |       |
| S=1.0H   | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=1.5H   | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=2.0H   | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |

Calculate in accordance with CIE Pub.117. The table is revised with  $677\text{lm}$  ( $8\log(F/F_0) = -1.4$ ).

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

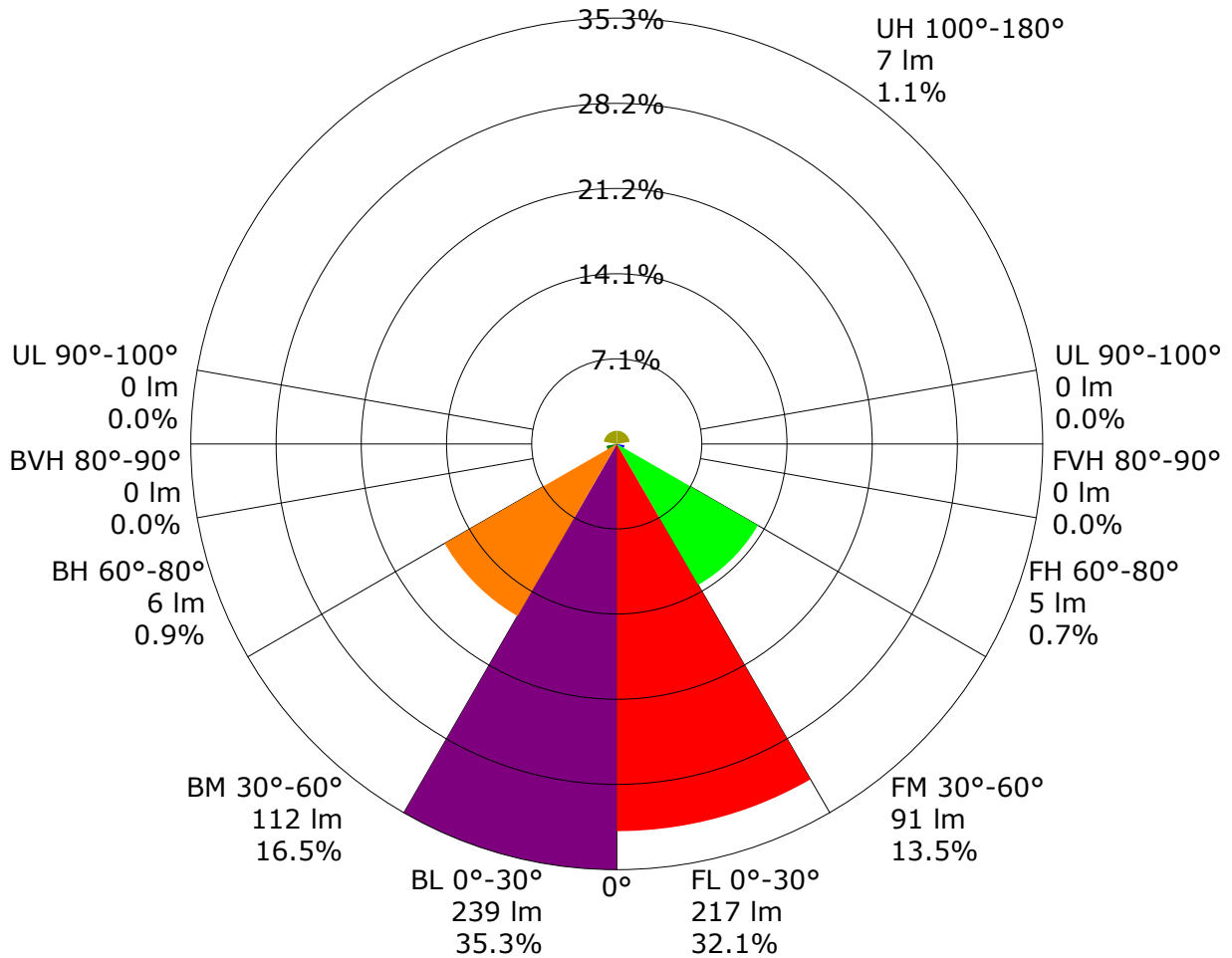


| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B1 U1 G0 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B1 U1 G0 |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA



## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)  |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70   | 0.50 | 0.20  | 0.80           | 0.87 | 0.92 | 0.96 | 1.00 | 1.03 | 1.06 | 1.08 | 1.10 |  |
|  | 0.30 |       | 0.75           | 0.83 | 0.88 | 0.92 | 0.97 | 1.00 | 1.02 | 1.06 | 1.08 |  |
|  | 0.20 |       | 0.71           | 0.79 | 0.84 | 0.88 | 0.94 | 0.97 | 1.00 | 1.04 | 1.06 |  |
| 0.50   | 0.50 | 0.20  | 0.78           | 0.86 | 0.90 | 0.93 | 0.97 | 1.00 | 1.02 | 1.04 | 1.05 |  |
|  | 0.30 |       | 0.74           | 0.81 | 0.86 | 0.90 | 0.94 | 0.97 | 0.99 | 1.02 | 1.04 |  |
|  | 0.20 |       | 0.71           | 0.78 | 0.83 | 0.87 | 0.92 | 0.95 | 0.97 | 1.00 | 1.02 |  |
| 0.30   | 0.50 | 0.20  | 0.77           | 0.84 | 0.88 | 0.91 | 0.95 | 0.97 | 0.98 | 1.00 | 1.02 |  |
|  | 0.30 |       | 0.73           | 0.80 | 0.85 | 0.88 | 0.92 | 0.95 | 0.97 | 0.99 | 1.00 |  |
|  | 0.20 |       | 0.70           | 0.77 | 0.82 | 0.85 | 0.90 | 0.93 | 0.95 | 0.98 | 0.99 |  |
| 0.00   | 0.00 | 0.00  | 0.68           | 0.75 | 0.80 | 0.83 | 0.87 | 0.89 | 0.91 | 0.93 | 0.94 |  |
| <p>Rating:10W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |  |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)  |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70   | 0.50 | 0.20  | 0.65           | 0.52 | 0.43 | 0.37 | 0.29 | 0.24 | 0.20 | 0.16 | 0.13 |
|  | 0.30 |       | 0.54           | 0.44 | 0.38 | 0.33 | 0.26 | 0.22 | 0.19 | 0.15 | 0.12 |
|  | 0.20 |       | 0.46           | 0.39 | 0.34 | 0.30 | 0.24 | 0.20 | 0.18 | 0.14 | 0.12 |
| 0.50   | 0.50 | 0.20  | 0.62           | 0.49 | 0.41 | 0.35 | 0.27 | 0.26 | 0.19 | 0.14 | 0.12 |
|  | 0.30 |       | 0.52           | 0.43 | 0.36 | 0.31 | 0.25 | 0.21 | 0.18 | 0.14 | 0.11 |
|  | 0.20 |       | 0.45           | 0.38 | 0.32 | 0.28 | 0.23 | 0.19 | 0.16 | 0.13 | 0.11 |
| 0.30   | 0.50 | 0.20  | 0.59           | 0.46 | 0.38 | 0.33 | 0.25 | 0.20 | 0.17 | 0.13 | 0.11 |
|  | 0.30 |       | 0.51           | 0.41 | 0.34 | 0.30 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 |
|  | 0.20 |       | 0.44           | 0.36 | 0.31 | 0.27 | 0.22 | 0.18 | 0.15 | 0.12 | 0.10 |
| 0.00   | 0.00 | 0.00  | 0.31           | 0.24 | 0.20 | 0.17 | 0.13 | 0.10 | 0.09 | 0.07 | 0.05 |
| <p>Rating:10W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C)  |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70   | 0.50 | 0.20  | 0.15           | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.22 |
|  | 0.30 |       | 0.10           | 0.12 | 0.13 | 0.14 | 0.16 | 0.18 | 0.18 | 0.20 | 0.21 |
|  | 0.20 |       | 0.07           | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 |
| 0.50   | 0.50 | 0.20  | 0.14           | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 |
|  | 0.30 |       | 0.10           | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
|  | 0.20 |       | 0.07           | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.18 |
| 0.30   | 0.50 | 0.20  | 0.14           | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 |
|  | 0.30 |       | 0.10           | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |
|  | 0.20 |       | 0.07           | 0.09 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 |
| 0.00   | 0.00 | 0.00  | 0.01           | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <p>Rating:10W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 856.6                     | 0.8                | 0.8                    | 0.12                  | 0.12                      |
| 1.0-2.0      | 854.5                     | 2.5                | 3.3                    | 0.36                  | 0.48                      |
| 2.0-3.0      | 849.9                     | 4.1                | 7.3                    | 0.60                  | 1.08                      |
| 3.0-4.0      | 843.3                     | 5.6                | 13.0                   | 0.83                  | 1.92                      |
| 4.0-5.0      | 834.8                     | 7.2                | 20.2                   | 1.06                  | 2.98                      |
| 5.0-6.0      | 824.7                     | 8.7                | 28.8                   | 1.28                  | 4.26                      |
| 6.0-7.0      | 812.4                     | 10.1               | 38.9                   | 1.49                  | 5.75                      |
| 7.0-8.0      | 798.6                     | 11.4               | 50.4                   | 1.69                  | 7.44                      |
| 8.0-9.0      | 784.0                     | 12.7               | 63.1                   | 1.88                  | 9.31                      |
| 9.0-10.0     | 767.7                     | 13.9               | 77.0                   | 2.05                  | 11.37                     |
| 10.0-11.0    | 750.2                     | 15.0               | 91.9                   | 2.21                  | 13.58                     |
| 11.0-12.0    | 732.4                     | 16.0               | 108.0                  | 2.37                  | 15.95                     |
| 12.0-13.0    | 713.6                     | 16.9               | 124.9                  | 2.50                  | 18.45                     |
| 13.0-14.0    | 693.6                     | 17.8               | 142.7                  | 2.62                  | 21.07                     |
| 14.0-15.0    | 673.4                     | 18.5               | 161.1                  | 2.73                  | 23.80                     |
| 15.0-16.0    | 653.8                     | 19.2               | 180.3                  | 2.83                  | 26.63                     |
| 16.0-17.0    | 633.8                     | 19.7               | 200.0                  | 2.92                  | 29.55                     |
| 17.0-18.0    | 612.9                     | 20.2               | 220.3                  | 2.99                  | 32.54                     |
| 18.0-19.0    | 590.4                     | 20.5               | 240.8                  | 3.03                  | 35.57                     |
| 19.0-20.0    | 566.8                     | 20.7               | 261.5                  | 3.06                  | 38.63                     |
| 20.0-21.0    | 543.2                     | 20.9               | 282.4                  | 3.08                  | 41.72                     |
| 21.0-22.0    | 518.8                     | 20.9               | 303.3                  | 3.08                  | 44.80                     |
| 22.0-23.0    | 493.3                     | 20.7               | 324.0                  | 3.06                  | 47.85                     |
| 23.0-24.0    | 467.0                     | 20.4               | 344.4                  | 3.02                  | 50.87                     |
| 24.0-25.0    | 440.6                     | 20.0               | 364.4                  | 2.96                  | 53.83                     |
| 25.0-26.0    | 414.4                     | 19.6               | 384.0                  | 2.89                  | 56.72                     |
| 26.0-27.0    | 388.5                     | 19.0               | 403.0                  | 2.81                  | 59.53                     |
| 27.0-28.0    | 362.8                     | 18.4               | 421.4                  | 2.71                  | 62.24                     |
| 28.0-29.0    | 337.4                     | 17.7               | 439.0                  | 2.61                  | 64.85                     |
| 29.0-30.0    | 312.7                     | 16.9               | 455.9                  | 2.49                  | 67.34                     |
| 30.0-31.0    | 289.1                     | 16.1               | 472.0                  | 2.38                  | 69.72                     |
| 31.0-32.0    | 266.7                     | 15.3               | 487.3                  | 2.26                  | 71.98                     |
| 32.0-33.0    | 245.1                     | 14.4               | 501.7                  | 2.13                  | 74.11                     |
| 33.0-34.0    | 224.6                     | 13.6               | 515.3                  | 2.01                  | 76.12                     |
| 34.0-35.0    | 205.4                     | 12.8               | 528.1                  | 1.88                  | 78.00                     |
| 35.0-36.0    | 187.1                     | 11.9               | 540.0                  | 1.76                  | 79.76                     |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 169.9                     | 11.1               | 551.1                  | 1.64                  | 81.40                     |
| 37.0-38.0    | 153.6                     | 10.3               | 561.3                  | 1.51                  | 82.91                     |
| 38.0-39.0    | 138.8                     | 9.5                | 570.8                  | 1.40                  | 84.31                     |
| 39.0-40.0    | 125.2                     | 8.7                | 579.5                  | 1.29                  | 85.60                     |
| 40.0-41.0    | 112.5                     | 8.0                | 587.5                  | 1.18                  | 86.79                     |
| 41.0-42.0    | 100.9                     | 7.3                | 594.9                  | 1.08                  | 87.87                     |
| 42.0-43.0    | 90.6                      | 6.7                | 601.6                  | 0.99                  | 88.86                     |
| 43.0-44.0    | 81.5                      | 6.2                | 607.7                  | 0.91                  | 89.77                     |
| 44.0-45.0    | 73.3                      | 5.6                | 613.3                  | 0.83                  | 90.60                     |
| 45.0-46.0    | 66.0                      | 5.2                | 618.5                  | 0.76                  | 91.37                     |
| 46.0-47.0    | 59.7                      | 4.7                | 623.3                  | 0.70                  | 92.07                     |
| 47.0-48.0    | 54.3                      | 4.4                | 627.7                  | 0.65                  | 92.71                     |
| 48.0-49.0    | 49.1                      | 4.0                | 631.7                  | 0.60                  | 93.31                     |
| 49.0-50.0    | 44.4                      | 3.7                | 635.4                  | 0.55                  | 93.86                     |
| 50.0-51.0    | 40.3                      | 3.4                | 638.8                  | 0.50                  | 94.36                     |
| 51.0-52.0    | 36.5                      | 3.1                | 641.9                  | 0.46                  | 94.82                     |
| 52.0-53.0    | 33.0                      | 2.9                | 644.8                  | 0.42                  | 95.25                     |
| 53.0-54.0    | 29.6                      | 2.6                | 647.4                  | 0.39                  | 95.63                     |
| 54.0-55.0    | 26.6                      | 2.4                | 649.8                  | 0.35                  | 95.98                     |
| 55.0-56.0    | 24.0                      | 2.2                | 652.0                  | 0.32                  | 96.30                     |
| 56.0-57.0    | 21.7                      | 2.0                | 653.9                  | 0.29                  | 96.60                     |
| 57.0-58.0    | 19.5                      | 1.8                | 655.7                  | 0.27                  | 96.86                     |
| 58.0-59.0    | 17.4                      | 1.6                | 657.4                  | 0.24                  | 97.10                     |
| 59.0-60.0    | 15.6                      | 1.5                | 658.8                  | 0.22                  | 97.32                     |
| 60.0-61.0    | 13.8                      | 1.3                | 660.2                  | 0.20                  | 97.52                     |
| 61.0-62.0    | 12.3                      | 1.2                | 661.3                  | 0.17                  | 97.69                     |
| 62.0-63.0    | 10.9                      | 1.1                | 662.4                  | 0.16                  | 97.85                     |
| 63.0-64.0    | 9.6                       | 0.9                | 663.3                  | 0.14                  | 97.99                     |
| 64.0-65.0    | 8.4                       | 0.8                | 664.2                  | 0.12                  | 98.11                     |
| 65.0-66.0    | 7.4                       | 0.7                | 664.9                  | 0.11                  | 98.22                     |
| 66.0-67.0    | 6.5                       | 0.7                | 665.6                  | 0.10                  | 98.32                     |
| 67.0-68.0    | 5.8                       | 0.6                | 666.2                  | 0.09                  | 98.40                     |
| 68.0-69.0    | 5.2                       | 0.5                | 666.7                  | 0.08                  | 98.48                     |
| 69.0-70.0    | 4.6                       | 0.5                | 667.2                  | 0.07                  | 98.55                     |
| 70.0-71.0    | 4.1                       | 0.4                | 667.6                  | 0.06                  | 98.61                     |
| 71.0-72.0    | 3.7                       | 0.4                | 668.0                  | 0.06                  | 98.67                     |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 3.3                       | 0.3                | 668.3                  | 0.05                  | 98.72                     |
| 73.0-74.0    | 2.8                       | 0.3                | 668.6                  | 0.04                  | 98.76                     |
| 74.0-75.0    | 2.4                       | 0.3                | 668.9                  | 0.04                  | 98.80                     |
| 75.0-76.0    | 2.0                       | 0.2                | 669.1                  | 0.03                  | 98.83                     |
| 76.0-77.0    | 1.5                       | 0.2                | 669.2                  | 0.02                  | 98.86                     |
| 77.0-78.0    | 1.1                       | 0.1                | 669.4                  | 0.02                  | 98.87                     |
| 78.0-79.0    | 0.8                       | 0.1                | 669.4                  | 0.01                  | 98.89                     |
| 79.0-80.0    | 0.4                       | 0.0                | 669.5                  | 0.01                  | 98.89                     |
| 80.0-81.0    | 0.1                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 81.0-82.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 82.0-83.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 83.0-84.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 84.0-85.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 85.0-86.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 86.0-87.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 87.0-88.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 88.0-89.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 89.0-90.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 90.0-91.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 91.0-92.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 92.0-93.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 93.0-94.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 94.0-95.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 95.0-96.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 96.0-97.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 97.0-98.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 98.0-99.0    | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 99.0-100.0   | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 100.0-101.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 101.0-102.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 102.0-103.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 103.0-104.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 104.0-105.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 105.0-106.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 106.0-107.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 107.0-108.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 109.0-110.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 110.0-111.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 111.0-112.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 112.0-113.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 113.0-114.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 114.0-115.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 115.0-116.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 116.0-117.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 117.0-118.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 118.0-119.0  | 0.0                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 119.0-120.0  | 0.1                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 120.0-121.0  | 0.1                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 121.0-122.0  | 0.2                       | 0.0                | 669.5                  | 0.00                  | 98.90                     |
| 122.0-123.0  | 0.2                       | 0.0                | 669.6                  | 0.00                  | 98.90                     |
| 123.0-124.0  | 0.4                       | 0.0                | 669.6                  | 0.01                  | 98.91                     |
| 124.0-125.0  | 0.5                       | 0.0                | 669.6                  | 0.01                  | 98.92                     |
| 125.0-126.0  | 0.7                       | 0.1                | 669.7                  | 0.01                  | 98.93                     |
| 126.0-127.0  | 0.8                       | 0.1                | 669.8                  | 0.01                  | 98.94                     |
| 127.0-128.0  | 0.9                       | 0.1                | 669.8                  | 0.01                  | 98.95                     |
| 128.0-129.0  | 1.1                       | 0.1                | 669.9                  | 0.01                  | 98.96                     |
| 129.0-130.0  | 1.2                       | 0.1                | 670.0                  | 0.01                  | 98.98                     |
| 130.0-131.0  | 1.3                       | 0.1                | 670.1                  | 0.02                  | 98.99                     |
| 131.0-132.0  | 1.4                       | 0.1                | 670.3                  | 0.02                  | 99.01                     |
| 132.0-133.0  | 1.5                       | 0.1                | 670.4                  | 0.02                  | 99.03                     |
| 133.0-134.0  | 1.6                       | 0.1                | 670.5                  | 0.02                  | 99.05                     |
| 134.0-135.0  | 1.7                       | 0.1                | 670.6                  | 0.02                  | 99.07                     |
| 135.0-136.0  | 1.8                       | 0.1                | 670.8                  | 0.02                  | 99.09                     |
| 136.0-137.0  | 1.9                       | 0.1                | 670.9                  | 0.02                  | 99.11                     |
| 137.0-138.0  | 2.0                       | 0.1                | 671.1                  | 0.02                  | 99.13                     |
| 138.0-139.0  | 2.1                       | 0.2                | 671.2                  | 0.02                  | 99.15                     |
| 139.0-140.0  | 2.2                       | 0.2                | 671.4                  | 0.02                  | 99.17                     |
| 140.0-141.0  | 2.4                       | 0.2                | 671.5                  | 0.02                  | 99.20                     |
| 141.0-142.0  | 2.4                       | 0.2                | 671.7                  | 0.02                  | 99.22                     |
| 142.0-143.0  | 2.6                       | 0.2                | 671.9                  | 0.03                  | 99.25                     |
| 143.0-144.0  | 2.7                       | 0.2                | 672.1                  | 0.03                  | 99.27                     |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0  | 2.8                       | 0.2                | 672.2                  | 0.03                  | 99.30                     |
| 145.0-146.0  | 2.9                       | 0.2                | 672.4                  | 0.03                  | 99.33                     |
| 146.0-147.0  | 3.1                       | 0.2                | 672.6                  | 0.03                  | 99.35                     |
| 147.0-148.0  | 3.1                       | 0.2                | 672.8                  | 0.03                  | 99.38                     |
| 148.0-149.0  | 3.2                       | 0.2                | 673.0                  | 0.03                  | 99.41                     |
| 149.0-150.0  | 3.3                       | 0.2                | 673.2                  | 0.03                  | 99.44                     |
| 150.0-151.0  | 3.5                       | 0.2                | 673.3                  | 0.03                  | 99.46                     |
| 151.0-152.0  | 3.6                       | 0.2                | 673.5                  | 0.03                  | 99.49                     |
| 152.0-153.0  | 3.8                       | 0.2                | 673.7                  | 0.03                  | 99.52                     |
| 153.0-154.0  | 3.9                       | 0.2                | 673.9                  | 0.03                  | 99.55                     |
| 154.0-155.0  | 4.0                       | 0.2                | 674.1                  | 0.03                  | 99.58                     |
| 155.0-156.0  | 4.1                       | 0.2                | 674.3                  | 0.03                  | 99.60                     |
| 156.0-157.0  | 4.2                       | 0.2                | 674.5                  | 0.03                  | 99.63                     |
| 157.0-158.0  | 4.3                       | 0.2                | 674.7                  | 0.03                  | 99.66                     |
| 158.0-159.0  | 4.4                       | 0.2                | 674.8                  | 0.03                  | 99.68                     |
| 159.0-160.0  | 4.5                       | 0.2                | 675.0                  | 0.03                  | 99.71                     |
| 160.0-161.0  | 4.6                       | 0.2                | 675.2                  | 0.03                  | 99.74                     |
| 161.0-162.0  | 4.7                       | 0.2                | 675.3                  | 0.02                  | 99.76                     |
| 162.0-163.0  | 4.8                       | 0.2                | 675.5                  | 0.02                  | 99.78                     |
| 163.0-164.0  | 4.9                       | 0.2                | 675.7                  | 0.02                  | 99.81                     |
| 164.0-165.0  | 5.0                       | 0.1                | 675.8                  | 0.02                  | 99.83                     |
| 165.0-166.0  | 5.1                       | 0.1                | 675.9                  | 0.02                  | 99.85                     |
| 166.0-167.0  | 5.2                       | 0.1                | 676.1                  | 0.02                  | 99.87                     |
| 167.0-168.0  | 5.3                       | 0.1                | 676.2                  | 0.02                  | 99.89                     |
| 168.0-169.0  | 5.4                       | 0.1                | 676.3                  | 0.02                  | 99.90                     |
| 169.0-170.0  | 5.4                       | 0.1                | 676.4                  | 0.02                  | 99.92                     |
| 170.0-171.0  | 5.5                       | 0.1                | 676.5                  | 0.01                  | 99.93                     |
| 171.0-172.0  | 5.6                       | 0.1                | 676.6                  | 0.01                  | 99.95                     |
| 172.0-173.0  | 5.6                       | 0.1                | 676.7                  | 0.01                  | 99.96                     |
| 173.0-174.0  | 5.7                       | 0.1                | 676.8                  | 0.01                  | 99.97                     |
| 174.0-175.0  | 5.7                       | 0.1                | 676.8                  | 0.01                  | 99.98                     |
| 175.0-176.0  | 5.7                       | 0.0                | 676.9                  | 0.01                  | 99.99                     |
| 176.0-177.0  | 5.8                       | 0.0                | 676.9                  | 0.01                  | 99.99                     |
| 177.0-178.0  | 5.9                       | 0.0                | 676.9                  | 0.00                  | 100.00                    |
| 178.0-179.0  | 5.9                       | 0.0                | 677.0                  | 0.00                  | 100.00                    |
| 179.0-180.0  | 5.9                       | 0.0                | 677.0                  | 0.00                  | 100.00                    |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table

Unit: cd

| G\C   | C0.0  | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G0.0  | 872.0 | 868.6 | 868.1 | 841.3 | 845.0  | 844.6  | 872.0  | 868.6  | 868.1  | 841.3  |
| G1.0  | 867.5 | 867.0 | 866.1 | 838.6 | 840.8  | 846.8  | 874.6  | 870.4  | 867.9  | 847.6  |
| G2.0  | 858.2 | 859.3 | 863.8 | 834.1 | 836.3  | 843.3  | 872.6  | 867.8  | 866.7  | 848.1  |
| G3.0  | 847.5 | 851.4 | 856.7 | 822.7 | 831.3  | 841.3  | 872.7  | 869.1  | 863.7  | 844.6  |
| G4.0  | 834.3 | 838.9 | 844.8 | 813.2 | 825.3  | 839.4  | 868.8  | 861.4  | 855.6  | 842.4  |
| G5.0  | 819.6 | 826.3 | 837.4 | 803.5 | 813.4  | 830.9  | 862.1  | 857.4  | 849.7  | 837.5  |
| G6.0  | 803.7 | 809.0 | 823.3 | 786.5 | 803.0  | 819.0  | 857.7  | 851.6  | 842.7  | 827.5  |
| G7.0  | 784.1 | 795.5 | 808.8 | 770.7 | 789.5  | 806.2  | 848.3  | 840.8  | 830.2  | 817.6  |
| G8.0  | 766.2 | 776.5 | 794.8 | 755.3 | 773.6  | 795.2  | 834.4  | 828.8  | 818.8  | 805.9  |
| G9.0  | 747.0 | 761.9 | 776.7 | 735.5 | 759.2  | 783.8  | 821.0  | 816.2  | 805.7  | 794.4  |
| G10.0 | 726.3 | 739.0 | 760.3 | 717.2 | 740.0  | 769.6  | 802.3  | 801.9  | 789.7  | 779.1  |
| G11.0 | 703.5 | 719.9 | 746.0 | 697.2 | 723.4  | 754.1  | 789.1  | 782.9  | 772.3  | 767.2  |
| G12.0 | 680.4 | 702.3 | 729.6 | 678.6 | 707.2  | 740.5  | 774.0  | 766.0  | 753.2  | 751.1  |
| G13.0 | 659.8 | 681.3 | 709.4 | 655.9 | 688.5  | 726.4  | 758.0  | 747.3  | 736.2  | 730.4  |
| G14.0 | 636.4 | 659.4 | 688.9 | 636.1 | 671.0  | 706.3  | 737.1  | 727.1  | 716.5  | 713.5  |
| G15.0 | 615.2 | 640.0 | 670.6 | 617.3 | 651.6  | 693.1  | 718.0  | 707.8  | 694.5  | 693.9  |
| G16.0 | 596.2 | 620.9 | 652.2 | 596.9 | 634.9  | 673.0  | 700.1  | 685.5  | 673.8  | 674.7  |
| G17.0 | 571.2 | 598.8 | 628.9 | 574.9 | 616.0  | 658.1  | 681.6  | 665.8  | 651.7  | 657.6  |
| G18.0 | 545.7 | 575.3 | 604.3 | 555.6 | 597.2  | 640.1  | 663.2  | 644.8  | 630.4  | 641.1  |
| G19.0 | 519.3 | 548.2 | 579.1 | 532.6 | 574.8  | 614.9  | 642.3  | 623.5  | 602.2  | 617.8  |
| G20.0 | 492.7 | 522.5 | 554.5 | 506.7 | 551.3  | 591.9  | 619.1  | 605.8  | 579.4  | 598.7  |
| G21.0 | 464.2 | 495.8 | 530.4 | 481.9 | 524.0  | 568.8  | 599.2  | 583.4  | 557.9  | 577.7  |
| G22.0 | 438.2 | 470.0 | 503.1 | 454.4 | 498.4  | 544.6  | 575.0  | 560.0  | 535.8  | 555.2  |
| G23.0 | 410.9 | 444.1 | 476.0 | 427.2 | 471.1  | 515.5  | 551.9  | 535.0  | 509.5  | 531.1  |
| G24.0 | 385.4 | 418.1 | 450.2 | 402.3 | 446.0  | 493.7  | 521.1  | 509.3  | 482.3  | 502.0  |
| G25.0 | 356.2 | 392.3 | 422.5 | 374.8 | 421.3  | 468.3  | 495.3  | 483.3  | 456.6  | 476.3  |
| G26.0 | 331.3 | 363.6 | 396.4 | 351.2 | 395.1  | 440.4  | 468.8  | 456.9  | 430.8  | 451.4  |
| G27.0 | 306.1 | 337.1 | 371.5 | 328.5 | 369.6  | 413.9  | 441.2  | 428.5  | 404.6  | 426.8  |
| G28.0 | 282.0 | 312.6 | 345.7 | 304.4 | 343.6  | 389.1  | 414.9  | 402.0  | 378.1  | 401.5  |
| G29.0 | 258.3 | 289.5 | 322.8 | 280.1 | 319.7  | 363.0  | 383.4  | 373.8  | 352.2  | 373.4  |
| G30.0 | 237.4 | 264.4 | 296.4 | 260.0 | 294.2  | 338.7  | 357.6  | 347.9  | 324.5  | 348.5  |
| G31.0 | 217.9 | 244.4 | 273.8 | 239.2 | 271.0  | 311.8  | 332.9  | 320.2  | 299.1  | 325.1  |
| G32.0 | 200.2 | 225.1 | 252.1 | 220.9 | 250.1  | 288.3  | 306.3  | 292.4  | 276.5  | 301.7  |
| G33.0 | 181.3 | 206.2 | 232.1 | 202.8 | 228.1  | 265.2  | 280.6  | 268.4  | 251.6  | 277.7  |
| G34.0 | 165.2 | 187.8 | 210.2 | 185.1 | 208.9  | 244.1  | 257.8  | 247.7  | 231.1  | 256.9  |
| G35.0 | 149.2 | 168.4 | 190.5 | 169.2 | 189.8  | 219.6  | 236.8  | 226.6  | 212.7  | 235.7  |
| G36.0 | 134.6 | 152.9 | 173.1 | 153.4 | 171.4  | 199.4  | 216.5  | 207.9  | 195.7  | 216.0  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0  | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G37.0 | 121.4 | 138.0 | 156.9 | 139.6 | 155.8  | 180.1  | 194.1  | 189.4  | 179.3  | 194.6  |
| G38.0 | 108.4 | 123.5 | 140.1 | 125.4 | 139.6  | 161.9  | 176.0  | 172.6  | 163.8  | 176.9  |
| G39.0 | 98.2  | 110.8 | 126.0 | 113.8 | 126.7  | 144.9  | 158.3  | 156.6  | 149.5  | 160.0  |
| G40.0 | 87.5  | 98.0  | 111.3 | 103.2 | 114.0  | 130.8  | 142.2  | 141.4  | 136.4  | 145.2  |
| G41.0 | 78.4  | 87.8  | 99.5  | 92.9  | 101.9  | 116.3  | 128.4  | 126.8  | 123.4  | 129.6  |
| G42.0 | 69.2  | 78.9  | 89.2  | 82.0  | 90.3   | 103.3  | 114.1  | 114.6  | 112.7  | 116.7  |
| G43.0 | 62.6  | 71.5  | 81.0  | 73.6  | 81.0   | 92.3   | 102.4  | 103.4  | 102.2  | 104.5  |
| G44.0 | 57.0  | 65.0  | 74.2  | 66.3  | 72.8   | 82.2   | 91.0   | 92.1   | 91.9   | 93.4   |
| G45.0 | 52.3  | 59.9  | 67.4  | 60.3  | 65.7   | 73.9   | 81.2   | 81.8   | 82.5   | 83.8   |
| G46.0 | 47.8  | 53.8  | 60.5  | 54.9  | 59.5   | 66.9   | 72.3   | 73.5   | 73.8   | 75.2   |
| G47.0 | 43.6  | 49.0  | 55.0  | 50.7  | 54.2   | 60.1   | 65.4   | 66.9   | 66.8   | 68.2   |
| G48.0 | 40.0  | 42.8  | 48.8  | 46.3  | 50.0   | 54.8   | 59.2   | 61.1   | 60.9   | 62.5   |
| G49.0 | 34.9  | 37.9  | 42.9  | 40.2  | 44.8   | 50.8   | 53.8   | 55.2   | 54.9   | 57.1   |
| G50.0 | 31.8  | 34.0  | 38.1  | 34.2  | 39.2   | 47.1   | 49.0   | 50.9   | 50.5   | 52.2   |
| G51.0 | 29.1  | 30.6  | 34.5  | 30.4  | 35.2   | 43.3   | 45.0   | 47.1   | 46.3   | 47.2   |
| G52.0 | 26.7  | 28.1  | 31.1  | 26.7  | 31.8   | 40.5   | 40.9   | 43.0   | 41.6   | 41.6   |
| G53.0 | 24.6  | 25.8  | 28.1  | 24.4  | 29.3   | 37.8   | 36.9   | 37.4   | 36.8   | 36.2   |
| G54.0 | 22.2  | 23.2  | 25.0  | 22.4  | 26.8   | 34.9   | 32.8   | 31.5   | 30.8   | 32.3   |
| G55.0 | 20.4  | 20.6  | 22.2  | 20.0  | 24.7   | 32.0   | 29.9   | 28.0   | 27.4   | 29.2   |
| G56.0 | 18.3  | 18.2  | 19.5  | 18.0  | 22.3   | 29.1   | 27.3   | 24.8   | 23.7   | 26.8   |
| G57.0 | 16.4  | 16.1  | 17.3  | 16.0  | 19.9   | 26.3   | 25.2   | 22.8   | 21.9   | 24.2   |
| G58.0 | 14.6  | 14.2  | 15.0  | 13.9  | 17.7   | 23.4   | 22.9   | 20.8   | 19.8   | 21.7   |
| G59.0 | 12.9  | 12.4  | 13.1  | 12.3  | 15.7   | 21.0   | 20.8   | 19.0   | 17.7   | 19.6   |
| G60.0 | 11.4  | 10.8  | 11.3  | 11.0  | 13.9   | 18.8   | 18.8   | 17.1   | 16.1   | 17.2   |
| G61.0 | 10.0  | 9.6   | 9.9   | 9.7   | 12.3   | 16.5   | 16.9   | 15.3   | 14.5   | 15.3   |
| G62.0 | 8.8   | 8.5   | 9.0   | 8.5   | 10.8   | 14.6   | 15.0   | 13.7   | 13.0   | 13.2   |
| G63.0 | 7.9   | 7.3   | 7.9   | 7.5   | 9.7    | 12.6   | 13.3   | 12.2   | 11.5   | 11.5   |
| G64.0 | 7.0   | 6.4   | 6.9   | 6.6   | 8.5    | 10.9   | 11.8   | 10.8   | 10.1   | 10.1   |
| G65.0 | 6.2   | 5.5   | 6.0   | 5.8   | 7.5    | 9.6    | 10.4   | 9.3    | 9.0    | 8.9    |
| G66.0 | 5.3   | 5.0   | 5.3   | 5.0   | 6.6    | 8.3    | 9.2    | 8.2    | 7.9    | 7.7    |
| G67.0 | 4.8   | 4.7   | 4.7   | 4.3   | 5.7    | 7.4    | 8.1    | 7.2    | 7.0    | 6.9    |
| G68.0 | 4.3   | 4.1   | 4.3   | 3.9   | 5.1    | 6.7    | 7.1    | 6.5    | 6.3    | 6.0    |
| G69.0 | 3.8   | 3.6   | 3.8   | 3.5   | 4.7    | 6.1    | 6.3    | 5.6    | 5.4    | 5.3    |
| G70.0 | 3.5   | 3.4   | 3.3   | 3.2   | 4.1    | 5.3    | 5.6    | 5.2    | 4.8    | 4.8    |
| G71.0 | 3.1   | 3.0   | 3.0   | 2.9   | 3.5    | 4.6    | 5.1    | 4.6    | 4.1    | 4.4    |
| G72.0 | 2.8   | 2.7   | 2.6   | 2.5   | 3.2    | 4.2    | 4.5    | 4.3    | 3.7    | 4.0    |
| G73.0 | 2.3   | 2.2   | 2.3   | 2.1   | 2.8    | 3.6    | 3.9    | 3.7    | 3.6    | 3.5    |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G74.0  | 2.1  | 1.8   | 1.9   | 1.7   | 2.2    | 3.2    | 3.4    | 3.2    | 3.1    | 3.0    |
| G75.0  | 1.6  | 1.7   | 1.5   | 1.5   | 1.9    | 2.6    | 3.0    | 2.7    | 2.8    | 2.6    |
| G76.0  | 1.3  | 1.2   | 1.1   | 1.1   | 1.3    | 2.1    | 2.5    | 2.4    | 2.4    | 2.3    |
| G77.0  | 1.1  | 0.0   | 0.0   | 0.0   | 1.0    | 1.6    | 2.3    | 2.1    | 2.0    | 1.8    |
| G78.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.2    | 2.0    | 1.7    | 1.8    | 1.5    |
| G79.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 1.2    | 1.4    | 1.3    | 1.1    |
| G80.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 0.0    |
| G81.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G82.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G83.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G84.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G85.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G86.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G87.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G88.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G89.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G90.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G91.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G92.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G93.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G94.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G95.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G96.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G97.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G98.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G99.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G100.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G101.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G102.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G103.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G104.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G105.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G106.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G107.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G108.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G109.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G110.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G/C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G111.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G112.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G113.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G114.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G115.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G116.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G117.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G118.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G119.0 | 0.0  | 1.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G120.0 | 1.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G121.0 | 1.0  | 1.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G122.0 | 1.0  | 1.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G123.0 | 1.1  | 1.1   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G124.0 | 1.1  | 1.1   | 0.0   | 0.0   | 1.0    | 0.0    | 0.0    | 1.0    | 1.0    | 0.0    |
| G125.0 | 1.1  | 1.3   | 1.1   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    |
| G126.0 | 1.3  | 1.4   | 1.2   | 1.3   | 1.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    |
| G127.0 | 1.4  | 1.3   | 1.2   | 1.2   | 0.0    | 0.0    | 0.0    | 1.1    | 1.2    | 1.0    |
| G128.0 | 1.4  | 1.4   | 1.4   | 1.3   | 1.1    | 0.0    | 0.0    | 1.2    | 1.4    | 1.0    |
| G129.0 | 1.3  | 1.4   | 1.6   | 1.6   | 1.0    | 1.0    | 0.0    | 1.2    | 1.5    | 1.1    |
| G130.0 | 1.2  | 1.5   | 1.7   | 1.7   | 1.1    | 0.0    | 0.0    | 1.1    | 1.5    | 1.2    |
| G131.0 | 1.3  | 1.6   | 1.8   | 1.9   | 1.3    | 1.0    | 1.1    | 1.3    | 1.4    | 1.3    |
| G132.0 | 1.5  | 1.7   | 1.7   | 1.8   | 1.3    | 1.0    | 1.0    | 1.3    | 1.6    | 1.5    |
| G133.0 | 1.6  | 1.8   | 1.8   | 2.0   | 1.4    | 1.0    | 1.2    | 1.7    | 1.6    | 1.6    |
| G134.0 | 1.6  | 1.9   | 1.7   | 2.3   | 1.5    | 1.3    | 1.4    | 1.6    | 1.6    | 1.6    |
| G135.0 | 1.8  | 2.1   | 1.7   | 2.3   | 1.6    | 1.3    | 1.4    | 1.7    | 1.8    | 1.7    |
| G136.0 | 1.9  | 2.2   | 1.8   | 2.4   | 1.9    | 1.5    | 1.3    | 1.8    | 1.8    | 1.7    |
| G137.0 | 2.0  | 2.2   | 1.9   | 2.4   | 1.8    | 1.5    | 1.5    | 1.9    | 2.2    | 1.6    |
| G138.0 | 2.1  | 2.3   | 2.1   | 2.4   | 1.8    | 1.8    | 1.7    | 2.1    | 2.3    | 1.8    |
| G139.0 | 2.2  | 2.5   | 2.2   | 2.5   | 2.1    | 1.8    | 1.8    | 2.0    | 2.2    | 1.9    |
| G140.0 | 2.6  | 2.6   | 2.4   | 2.8   | 2.2    | 2.0    | 2.0    | 2.1    | 2.3    | 2.1    |
| G141.0 | 2.6  | 2.6   | 2.6   | 2.8   | 2.3    | 2.1    | 2.1    | 2.2    | 2.4    | 2.3    |
| G142.0 | 2.7  | 2.7   | 2.7   | 2.8   | 2.5    | 2.1    | 2.3    | 2.3    | 2.5    | 2.3    |
| G143.0 | 2.8  | 2.9   | 2.8   | 2.9   | 2.6    | 2.3    | 2.2    | 2.5    | 2.7    | 2.3    |
| G144.0 | 3.1  | 3.0   | 2.9   | 3.0   | 2.7    | 2.3    | 2.3    | 2.7    | 2.9    | 2.4    |
| G145.0 | 3.2  | 3.0   | 3.0   | 3.1   | 3.0    | 2.5    | 2.4    | 2.8    | 2.8    | 2.5    |
| G146.0 | 3.1  | 3.4   | 3.3   | 3.1   | 3.1    | 2.7    | 2.5    | 2.7    | 3.1    | 2.6    |
| G147.0 | 3.4  | 3.5   | 3.3   | 3.4   | 3.1    | 2.7    | 2.7    | 2.8    | 3.1    | 2.7    |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

| G/C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G148.0 | 3.5  | 3.6   | 3.3   | 3.4   | 3.2    | 2.8    | 2.7    | 3.0    | 3.1    | 2.8    |
| G149.0 | 3.5  | 3.6   | 3.4   | 3.7   | 3.2    | 3.0    | 2.9    | 3.0    | 3.2    | 3.0    |
| G150.0 | 3.7  | 3.7   | 3.5   | 4.1   | 3.4    | 3.0    | 3.2    | 3.3    | 3.2    | 3.0    |
| G151.0 | 3.8  | 3.9   | 3.6   | 4.1   | 3.6    | 3.5    | 3.4    | 3.4    | 3.3    | 3.3    |
| G152.0 | 4.0  | 4.0   | 3.7   | 4.1   | 3.6    | 3.5    | 3.5    | 3.5    | 3.5    | 3.1    |
| G153.0 | 4.2  | 4.3   | 3.9   | 4.3   | 3.8    | 3.7    | 3.8    | 3.7    | 3.7    | 3.4    |
| G154.0 | 4.3  | 4.3   | 4.0   | 4.3   | 3.8    | 3.8    | 3.7    | 3.8    | 3.7    | 3.6    |
| G155.0 | 4.3  | 4.3   | 4.0   | 4.4   | 4.2    | 3.8    | 3.8    | 3.8    | 3.8    | 3.6    |
| G156.0 | 4.6  | 4.5   | 4.1   | 4.4   | 4.0    | 4.2    | 4.0    | 3.9    | 4.1    | 3.8    |
| G157.0 | 4.6  | 4.6   | 4.2   | 4.6   | 4.3    | 4.1    | 4.1    | 3.9    | 4.2    | 3.9    |
| G158.0 | 4.7  | 4.6   | 4.5   | 4.7   | 4.3    | 4.1    | 4.3    | 4.2    | 4.4    | 4.3    |
| G159.0 | 4.7  | 4.7   | 4.6   | 4.9   | 4.7    | 4.2    | 4.3    | 4.3    | 4.4    | 4.2    |
| G160.0 | 4.7  | 4.9   | 4.7   | 5.0   | 4.8    | 4.4    | 4.5    | 4.4    | 4.5    | 4.4    |
| G161.0 | 4.9  | 4.9   | 4.6   | 5.0   | 4.8    | 4.5    | 4.7    | 4.5    | 4.6    | 4.4    |
| G162.0 | 5.0  | 5.0   | 4.8   | 5.2   | 4.9    | 4.6    | 4.5    | 4.6    | 4.7    | 4.5    |
| G163.0 | 5.1  | 5.2   | 4.8   | 5.4   | 5.0    | 4.9    | 4.7    | 4.7    | 4.7    | 4.7    |
| G164.0 | 5.2  | 5.2   | 4.9   | 5.3   | 5.0    | 5.0    | 4.8    | 4.8    | 4.9    | 4.7    |
| G165.0 | 5.2  | 5.2   | 5.1   | 5.4   | 5.2    | 4.8    | 4.8    | 4.8    | 5.2    | 4.7    |
| G166.0 | 5.3  | 5.3   | 5.3   | 5.3   | 5.5    | 5.0    | 4.9    | 4.9    | 5.3    | 4.8    |
| G167.0 | 5.5  | 5.4   | 5.3   | 5.7   | 5.3    | 5.0    | 4.9    | 5.1    | 5.1    | 5.0    |
| G168.0 | 5.4  | 5.5   | 5.3   | 5.7   | 5.3    | 5.3    | 5.0    | 5.3    | 5.3    | 5.1    |
| G169.0 | 5.6  | 5.8   | 5.3   | 5.6   | 5.4    | 5.3    | 5.0    | 5.2    | 5.3    | 5.2    |
| G170.0 | 5.7  | 5.8   | 5.4   | 5.6   | 5.4    | 5.4    | 5.2    | 5.3    | 5.3    | 5.3    |
| G171.0 | 5.8  | 5.8   | 5.4   | 5.7   | 5.6    | 5.4    | 5.5    | 5.3    | 5.4    | 5.5    |
| G172.0 | 5.7  | 5.9   | 5.5   | 5.7   | 5.7    | 5.5    | 5.5    | 5.3    | 5.4    | 5.4    |
| G173.0 | 5.7  | 5.8   | 5.4   | 5.8   | 5.7    | 5.6    | 5.7    | 5.4    | 5.6    | 5.6    |
| G174.0 | 5.9  | 6.0   | 5.5   | 5.8   | 5.8    | 5.6    | 5.6    | 5.5    | 5.7    | 5.5    |
| G175.0 | 5.9  | 5.7   | 5.4   | 5.9   | 5.8    | 5.6    | 5.6    | 5.6    | 5.7    | 5.6    |
| G176.0 | 5.9  | 5.9   | 5.5   | 5.8   | 5.9    | 5.7    | 5.9    | 5.7    | 5.6    | 5.7    |
| G177.0 | 6.0  | 6.0   | 5.8   | 5.8   | 5.8    | 5.8    | 6.0    | 5.8    | 5.6    | 5.6    |
| G178.0 | 6.0  | 6.2   | 5.8   | 5.8   | 5.8    | 5.6    | 5.8    | 5.8    | 5.9    | 5.7    |
| G179.0 | 6.1  | 6.1   | 5.8   | 6.2   | 5.7    | 5.7    | 5.9    | 5.8    | 5.8    | 5.7    |
| G180.0 | 6.0  | 5.9   | 5.6   | 6.2   | 5.7    | 5.6    | 6.3    | 6.0    | 6.1    | 6.0    |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G0.0  | 845.0  | 844.6  | 872.0  |  |  |  |  |  |  |  |
| G1.0  | 847.0  | 844.1  | 867.5  |  |  |  |  |  |  |  |
| G2.0  | 843.3  | 835.5  | 858.2  |  |  |  |  |  |  |  |
| G3.0  | 837.7  | 830.0  | 847.5  |  |  |  |  |  |  |  |
| G4.0  | 827.0  | 819.6  | 834.3  |  |  |  |  |  |  |  |
| G5.0  | 819.4  | 806.6  | 819.6  |  |  |  |  |  |  |  |
| G6.0  | 807.8  | 796.6  | 803.7  |  |  |  |  |  |  |  |
| G7.0  | 798.0  | 779.8  | 784.1  |  |  |  |  |  |  |  |
| G8.0  | 783.5  | 765.0  | 766.2  |  |  |  |  |  |  |  |
| G9.0  | 767.6  | 749.7  | 747.0  |  |  |  |  |  |  |  |
| G10.0 | 750.2  | 730.6  | 726.3  |  |  |  |  |  |  |  |
| G11.0 | 732.7  | 710.2  | 703.5  |  |  |  |  |  |  |  |
| G12.0 | 711.6  | 685.7  | 680.4  |  |  |  |  |  |  |  |
| G13.0 | 690.9  | 663.3  | 659.8  |  |  |  |  |  |  |  |
| G14.0 | 670.0  | 636.0  | 636.4  |  |  |  |  |  |  |  |
| G15.0 | 647.3  | 614.0  | 615.2  |  |  |  |  |  |  |  |
| G16.0 | 626.4  | 593.5  | 596.2  |  |  |  |  |  |  |  |
| G17.0 | 606.9  | 570.4  | 571.2  |  |  |  |  |  |  |  |
| G18.0 | 584.7  | 546.1  | 545.7  |  |  |  |  |  |  |  |
| G19.0 | 561.4  | 525.0  | 519.3  |  |  |  |  |  |  |  |
| G20.0 | 537.7  | 500.9  | 492.7  |  |  |  |  |  |  |  |
| G21.0 | 515.8  | 477.7  | 464.2  |  |  |  |  |  |  |  |
| G22.0 | 489.1  | 451.6  | 438.2  |  |  |  |  |  |  |  |
| G23.0 | 465.8  | 424.9  | 410.9  |  |  |  |  |  |  |  |
| G24.0 | 437.1  | 397.2  | 385.4  |  |  |  |  |  |  |  |
| G25.0 | 411.2  | 370.8  | 356.2  |  |  |  |  |  |  |  |
| G26.0 | 386.2  | 344.4  | 331.3  |  |  |  |  |  |  |  |
| G27.0 | 361.5  | 317.4  | 306.1  |  |  |  |  |  |  |  |
| G28.0 | 333.8  | 293.7  | 282.0  |  |  |  |  |  |  |  |
| G29.0 | 308.8  | 271.9  | 258.3  |  |  |  |  |  |  |  |
| G30.0 | 287.0  | 250.1  | 237.4  |  |  |  |  |  |  |  |
| G31.0 | 265.9  | 229.5  | 217.9  |  |  |  |  |  |  |  |
| G32.0 | 245.3  | 211.0  | 200.2  |  |  |  |  |  |  |  |
| G33.0 | 223.6  | 193.8  | 181.3  |  |  |  |  |  |  |  |
| G34.0 | 205.9  | 177.7  | 165.2  |  |  |  |  |  |  |  |
| G35.0 | 188.6  | 163.2  | 149.2  |  |  |  |  |  |  |  |
| G36.0 | 171.7  | 147.7  | 134.6  |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G37.0 | 154.6  | 133.8  | 121.4  |  |  |  |  |  |  |  |
| G38.0 | 139.7  | 121.2  | 108.4  |  |  |  |  |  |  |  |
| G39.0 | 126.9  | 109.9  | 98.2   |  |  |  |  |  |  |  |
| G40.0 | 114.4  | 98.4   | 87.5   |  |  |  |  |  |  |  |
| G41.0 | 102.1  | 89.7   | 78.4   |  |  |  |  |  |  |  |
| G42.0 | 91.8   | 81.2   | 69.2   |  |  |  |  |  |  |  |
| G43.0 | 82.6   | 73.0   | 62.6   |  |  |  |  |  |  |  |
| G44.0 | 74.2   | 65.2   | 57.0   |  |  |  |  |  |  |  |
| G45.0 | 66.9   | 58.4   | 52.3   |  |  |  |  |  |  |  |
| G46.0 | 59.9   | 52.6   | 47.8   |  |  |  |  |  |  |  |
| G47.0 | 54.5   | 47.7   | 43.6   |  |  |  |  |  |  |  |
| G48.0 | 50.0   | 43.7   | 40.0   |  |  |  |  |  |  |  |
| G49.0 | 45.8   | 40.2   | 34.9   |  |  |  |  |  |  |  |
| G50.0 | 42.3   | 37.2   | 31.8   |  |  |  |  |  |  |  |
| G51.0 | 37.8   | 34.0   | 29.1   |  |  |  |  |  |  |  |
| G52.0 | 33.2   | 30.9   | 26.7   |  |  |  |  |  |  |  |
| G53.0 | 30.2   | 28.2   | 24.6   |  |  |  |  |  |  |  |
| G54.0 | 27.5   | 26.0   | 22.2   |  |  |  |  |  |  |  |
| G55.0 | 25.4   | 23.9   | 20.4   |  |  |  |  |  |  |  |
| G56.0 | 23.1   | 22.0   | 18.3   |  |  |  |  |  |  |  |
| G57.0 | 21.1   | 19.9   | 16.4   |  |  |  |  |  |  |  |
| G58.0 | 18.8   | 18.0   | 14.6   |  |  |  |  |  |  |  |
| G59.0 | 16.9   | 16.4   | 12.9   |  |  |  |  |  |  |  |
| G60.0 | 15.0   | 14.6   | 11.4   |  |  |  |  |  |  |  |
| G61.0 | 13.1   | 13.1   | 10.0   |  |  |  |  |  |  |  |
| G62.0 | 11.5   | 11.7   | 8.8    |  |  |  |  |  |  |  |
| G63.0 | 10.4   | 10.4   | 7.9    |  |  |  |  |  |  |  |
| G64.0 | 9.0    | 9.4    | 7.0    |  |  |  |  |  |  |  |
| G65.0 | 8.3    | 8.2    | 6.2    |  |  |  |  |  |  |  |
| G66.0 | 7.3    | 7.2    | 5.3    |  |  |  |  |  |  |  |
| G67.0 | 6.3    | 6.4    | 4.8    |  |  |  |  |  |  |  |
| G68.0 | 5.5    | 5.9    | 4.3    |  |  |  |  |  |  |  |
| G69.0 | 4.6    | 5.1    | 3.8    |  |  |  |  |  |  |  |
| G70.0 | 4.3    | 4.8    | 3.5    |  |  |  |  |  |  |  |
| G71.0 | 3.9    | 4.1    | 3.1    |  |  |  |  |  |  |  |
| G72.0 | 3.5    | 3.8    | 2.8    |  |  |  |  |  |  |  |
| G73.0 | 3.0    | 3.4    | 2.3    |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G74.0  | 2.7    | 2.8    | 2.1    |  |  |  |  |  |  |  |
| G75.0  | 2.2    | 2.6    | 1.6    |  |  |  |  |  |  |  |
| G76.0  | 1.8    | 2.1    | 1.3    |  |  |  |  |  |  |  |
| G77.0  | 1.5    | 1.8    | 1.1    |  |  |  |  |  |  |  |
| G78.0  | 1.4    | 1.4    | 0.0    |  |  |  |  |  |  |  |
| G79.0  | 1.0    | 1.2    | 0.0    |  |  |  |  |  |  |  |
| G80.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G81.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G82.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G83.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G84.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G85.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G86.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G87.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G88.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G89.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G90.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G91.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G92.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G93.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G94.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G95.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G96.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G97.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G98.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G99.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G100.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G101.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G102.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G103.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G104.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G105.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G106.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G107.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G108.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G109.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G110.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G111.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G112.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G113.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G114.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G115.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G116.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G117.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G118.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G119.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G120.0 | 0.0    | 0.0    | 1.0    |  |  |  |  |  |  |  |
| G121.0 | 0.0    | 0.0    | 1.0    |  |  |  |  |  |  |  |
| G122.0 | 0.0    | 0.0    | 1.0    |  |  |  |  |  |  |  |
| G123.0 | 0.0    | 1.0    | 1.1    |  |  |  |  |  |  |  |
| G124.0 | 0.0    | 1.0    | 1.1    |  |  |  |  |  |  |  |
| G125.0 | 0.0    | 1.2    | 1.1    |  |  |  |  |  |  |  |
| G126.0 | 0.0    | 1.2    | 1.3    |  |  |  |  |  |  |  |
| G127.0 | 0.0    | 1.4    | 1.4    |  |  |  |  |  |  |  |
| G128.0 | 0.0    | 1.3    | 1.4    |  |  |  |  |  |  |  |
| G129.0 | 1.2    | 1.4    | 1.3    |  |  |  |  |  |  |  |
| G130.0 | 1.2    | 1.5    | 1.2    |  |  |  |  |  |  |  |
| G131.0 | 1.2    | 1.7    | 1.3    |  |  |  |  |  |  |  |
| G132.0 | 1.5    | 1.8    | 1.5    |  |  |  |  |  |  |  |
| G133.0 | 1.5    | 1.7    | 1.6    |  |  |  |  |  |  |  |
| G134.0 | 1.7    | 1.8    | 1.6    |  |  |  |  |  |  |  |
| G135.0 | 1.7    | 1.9    | 1.8    |  |  |  |  |  |  |  |
| G136.0 | 1.6    | 2.0    | 1.9    |  |  |  |  |  |  |  |
| G137.0 | 1.9    | 2.3    | 2.0    |  |  |  |  |  |  |  |
| G138.0 | 1.9    | 2.2    | 2.1    |  |  |  |  |  |  |  |
| G139.0 | 2.0    | 2.3    | 2.2    |  |  |  |  |  |  |  |
| G140.0 | 2.2    | 2.4    | 2.6    |  |  |  |  |  |  |  |
| G141.0 | 2.3    | 2.6    | 2.6    |  |  |  |  |  |  |  |
| G142.0 | 2.5    | 2.7    | 2.7    |  |  |  |  |  |  |  |
| G143.0 | 2.6    | 2.9    | 2.8    |  |  |  |  |  |  |  |
| G144.0 | 2.6    | 3.0    | 3.1    |  |  |  |  |  |  |  |
| G145.0 | 2.7    | 3.1    | 3.2    |  |  |  |  |  |  |  |
| G146.0 | 3.0    | 3.3    | 3.1    |  |  |  |  |  |  |  |
| G147.0 | 3.1    | 3.4    | 3.4    |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G148.0 | 3.0    | 3.4    | 3.5    |  |  |  |  |  |  |  |
| G149.0 | 3.1    | 3.6    | 3.5    |  |  |  |  |  |  |  |
| G150.0 | 3.2    | 3.8    | 3.7    |  |  |  |  |  |  |  |
| G151.0 | 3.3    | 3.9    | 3.8    |  |  |  |  |  |  |  |
| G152.0 | 3.5    | 4.0    | 4.0    |  |  |  |  |  |  |  |
| G153.0 | 3.6    | 4.0    | 4.2    |  |  |  |  |  |  |  |
| G154.0 | 3.7    | 4.3    | 4.3    |  |  |  |  |  |  |  |
| G155.0 | 3.8    | 4.5    | 4.3    |  |  |  |  |  |  |  |
| G156.0 | 4.0    | 4.5    | 4.6    |  |  |  |  |  |  |  |
| G157.0 | 3.9    | 4.5    | 4.6    |  |  |  |  |  |  |  |
| G158.0 | 4.0    | 4.5    | 4.7    |  |  |  |  |  |  |  |
| G159.0 | 4.3    | 4.6    | 4.7    |  |  |  |  |  |  |  |
| G160.0 | 4.3    | 4.6    | 4.7    |  |  |  |  |  |  |  |
| G161.0 | 4.5    | 5.0    | 4.9    |  |  |  |  |  |  |  |
| G162.0 | 4.7    | 4.9    | 5.0    |  |  |  |  |  |  |  |
| G163.0 | 4.8    | 4.9    | 5.1    |  |  |  |  |  |  |  |
| G164.0 | 4.9    | 4.9    | 5.2    |  |  |  |  |  |  |  |
| G165.0 | 5.2    | 5.2    | 5.2    |  |  |  |  |  |  |  |
| G166.0 | 5.1    | 5.2    | 5.3    |  |  |  |  |  |  |  |
| G167.0 | 5.3    | 5.4    | 5.5    |  |  |  |  |  |  |  |
| G168.0 | 5.3    | 5.5    | 5.4    |  |  |  |  |  |  |  |
| G169.0 | 5.7    | 5.4    | 5.6    |  |  |  |  |  |  |  |
| G170.0 | 5.7    | 5.5    | 5.7    |  |  |  |  |  |  |  |
| G171.0 | 5.7    | 5.8    | 5.8    |  |  |  |  |  |  |  |
| G172.0 | 5.8    | 5.8    | 5.7    |  |  |  |  |  |  |  |
| G173.0 | 5.8    | 5.7    | 5.7    |  |  |  |  |  |  |  |
| G174.0 | 6.0    | 6.0    | 5.9    |  |  |  |  |  |  |  |
| G175.0 | 5.8    | 5.9    | 5.9    |  |  |  |  |  |  |  |
| G176.0 | 6.0    | 6.0    | 5.9    |  |  |  |  |  |  |  |
| G177.0 | 6.0    | 6.0    | 6.0    |  |  |  |  |  |  |  |
| G178.0 | 6.0    | 6.0    | 6.0    |  |  |  |  |  |  |  |
| G179.0 | 5.8    | 6.0    | 6.1    |  |  |  |  |  |  |  |
| G180.0 | 5.8    | 6.1    | 6.0    |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector: