

Report No.:

Test Time: 2023/8/14 18:13

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.185 A
Power Factor: 0.750

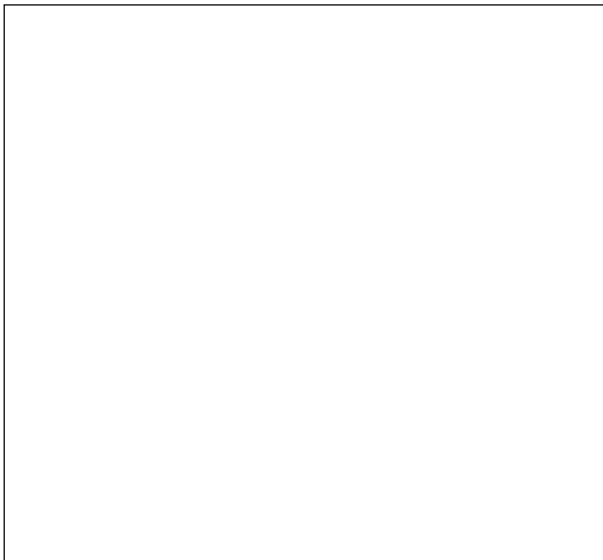
Luminaire Description: 489875-3000K IRIS
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 12.1 V
Power: 1.68 W

Photometric Results

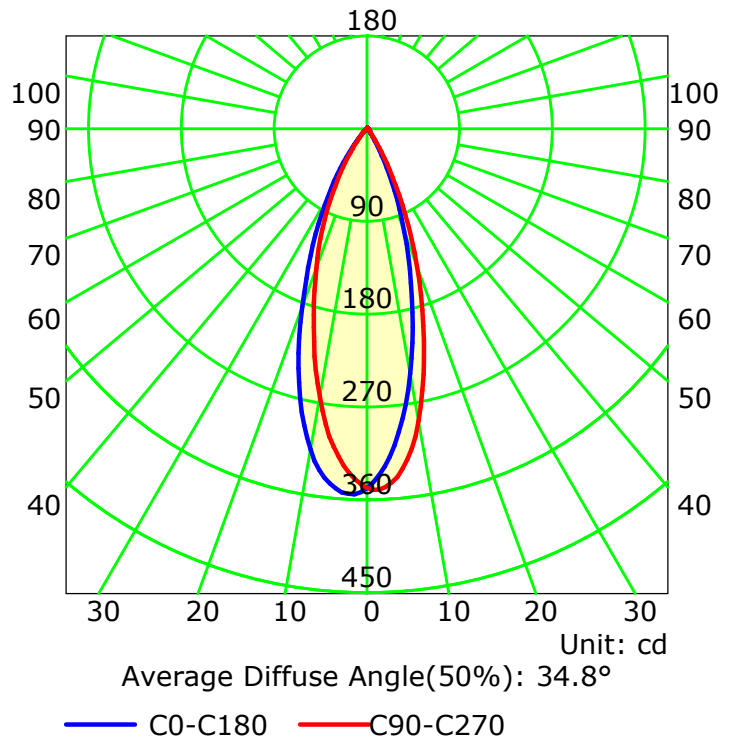
CIE Class: Direct
Measurement Flux: 151.5 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(10%,50%,75%,100%): H63.9,H35.1,H22.9,H2
Vertical Diffuse Angle(10%,50%,75%,100%): V64.4,V34.8,V22,V1
Luminaire Efficacy Rating (LER): 90.25
Max. Intensity: 356.15 cd
S/MH(C0/C180): 0.58

Total Rated Lamp Lumens: 151.5 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 348.91 cd
Pos of Max. Intensity: H135 V3
S/MH(C90/C270): 0.57

Picture Of Luminaire



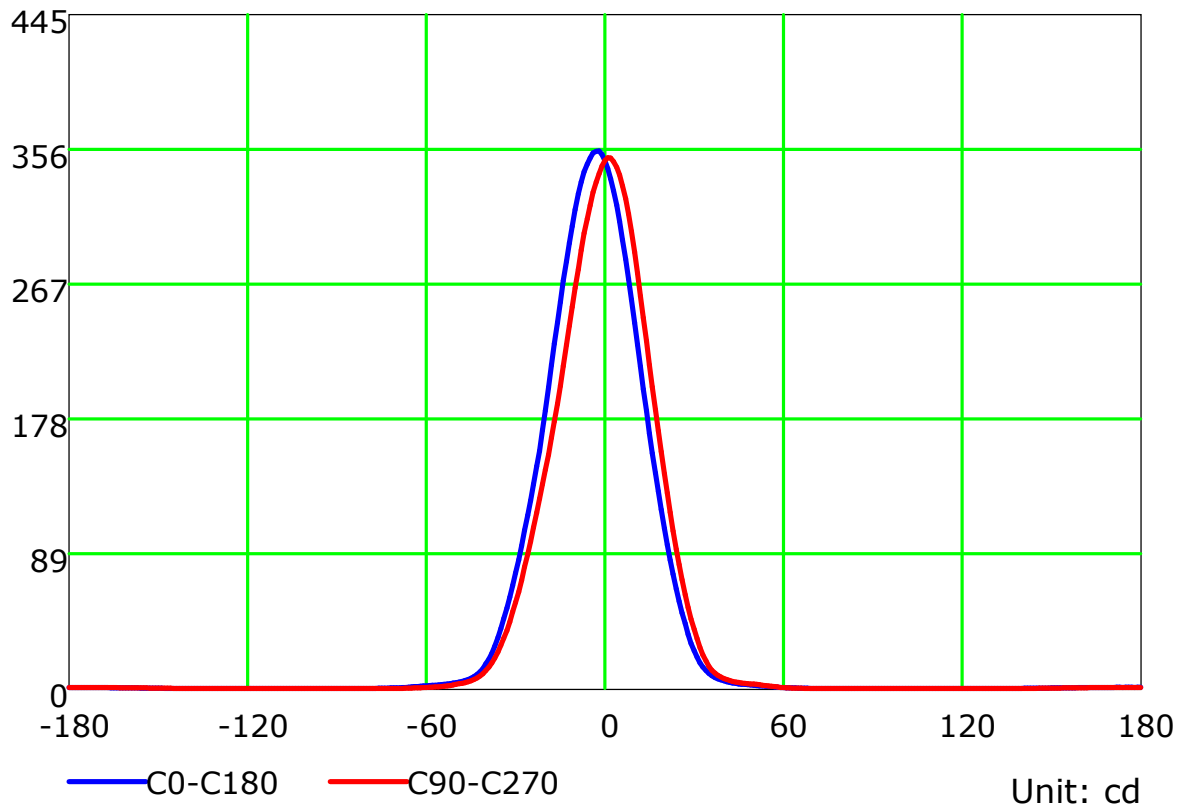
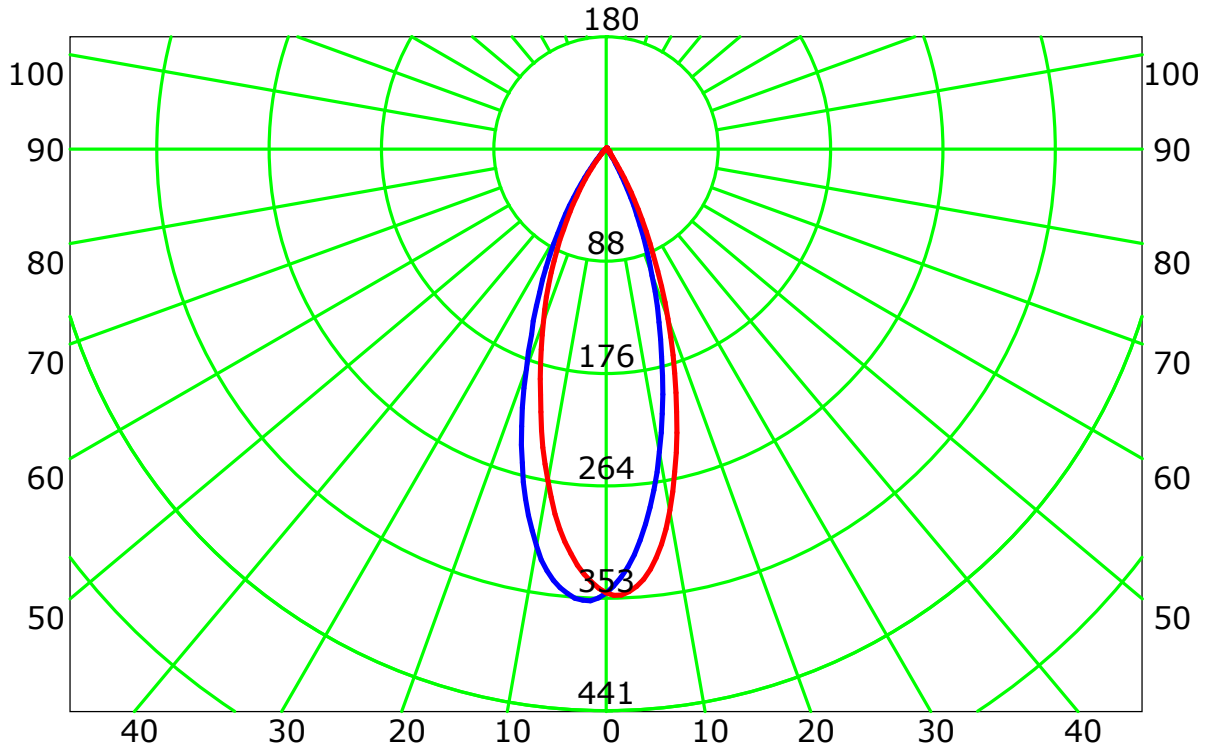
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

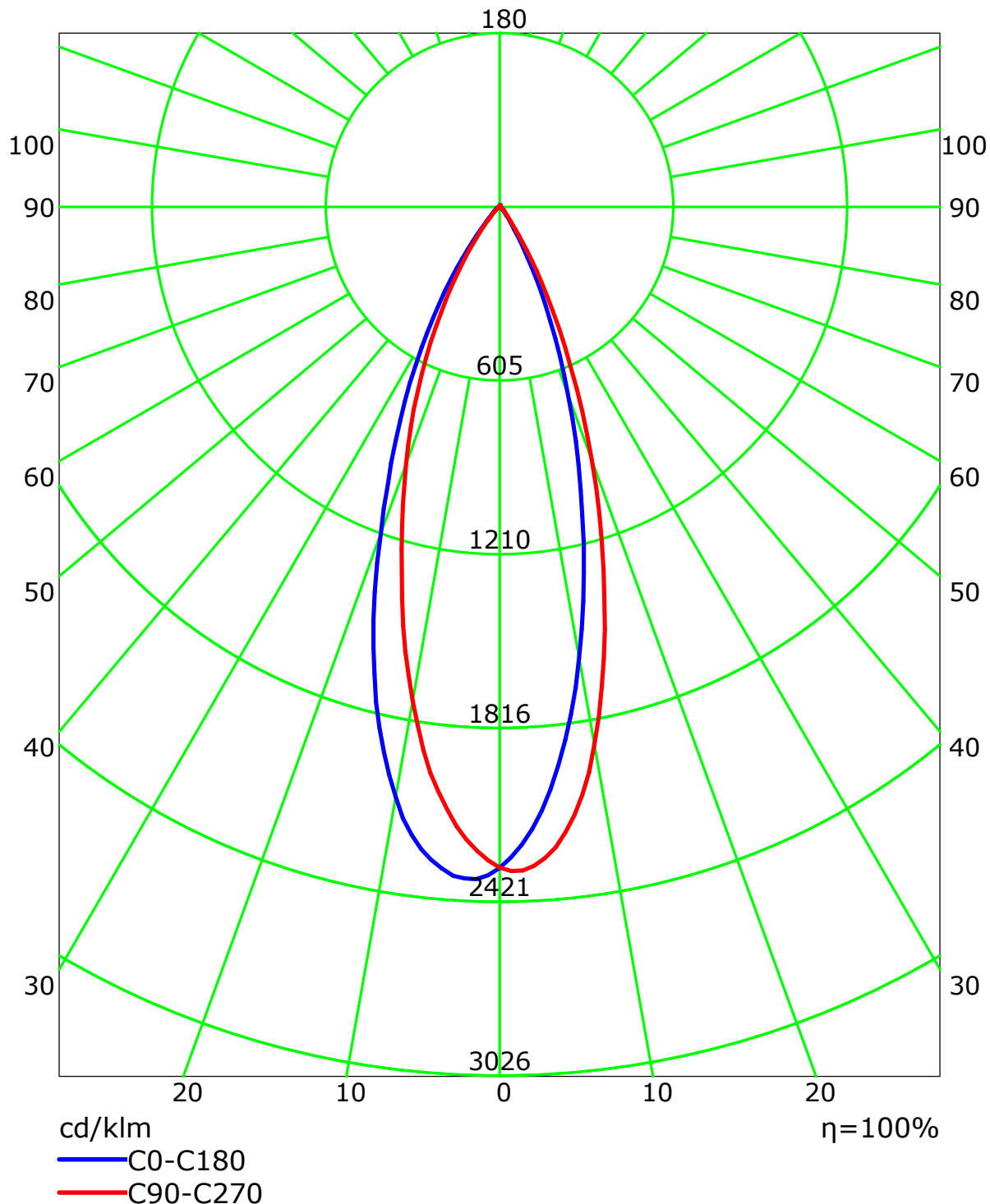
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



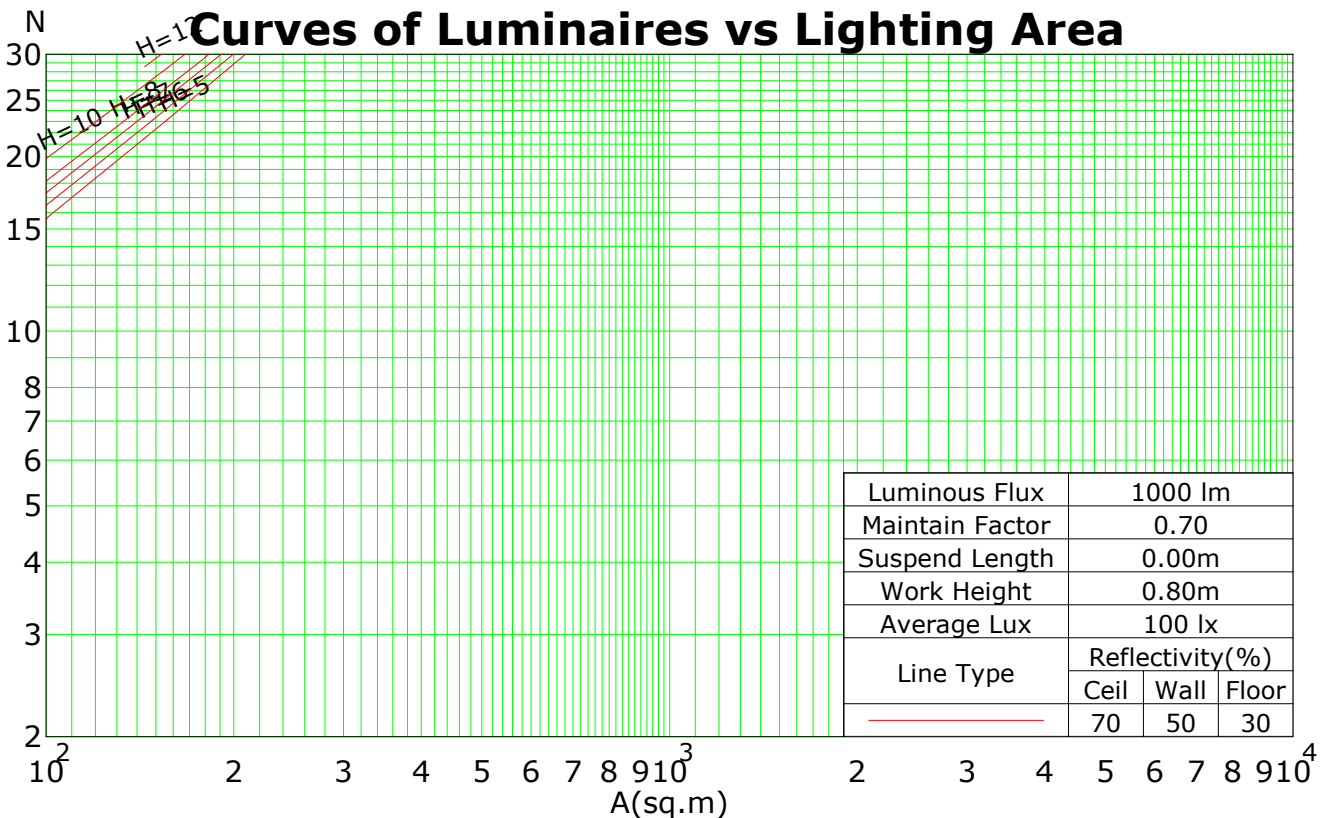
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 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 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.14 | 1.12 | 1.09 | 1.07 | 1.12 | 1.09 | 1.07 | 1.06 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 |
| 2 | 1.09 | 1.05 | 1.02 | 0.99 | 1.07 | 1.03 | 1.00 | 0.97 | 1.00 | 0.97 | 0.95 | 0.97 | 0.95 | 0.93 | 0.94 | 0.93 | 0.91 | 0.90 |
| 3 | 1.05 | 0.99 | 0.95 | 0.91 | 1.03 | 0.98 | 0.94 | 0.91 | 0.95 | 0.92 | 0.89 | 0.93 | 0.90 | 0.88 | 0.91 | 0.88 | 0.86 | 0.85 |
| 4 | 1.00 | 0.94 | 0.89 | 0.85 | 0.99 | 0.93 | 0.88 | 0.85 | 0.91 | 0.87 | 0.84 | 0.89 | 0.86 | 0.83 | 0.87 | 0.84 | 0.82 | 0.81 |
| 5 | 0.96 | 0.89 | 0.84 | 0.80 | 0.95 | 0.88 | 0.84 | 0.80 | 0.86 | 0.82 | 0.79 | 0.85 | 0.81 | 0.79 | 0.83 | 0.80 | 0.78 | 0.77 |
| 6 | 0.93 | 0.85 | 0.80 | 0.76 | 0.91 | 0.84 | 0.79 | 0.76 | 0.83 | 0.78 | 0.75 | 0.81 | 0.78 | 0.75 | 0.80 | 0.77 | 0.74 | 0.73 |
| 7 | 0.89 | 0.81 | 0.76 | 0.72 | 0.88 | 0.80 | 0.75 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.77 | 0.73 | 0.71 | 0.70 |
| 8 | 0.85 | 0.77 | 0.72 | 0.69 | 0.84 | 0.77 | 0.72 | 0.69 | 0.76 | 0.71 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.70 | 0.68 | 0.66 |
| 9 | 0.82 | 0.74 | 0.69 | 0.66 | 0.81 | 0.74 | 0.69 | 0.65 | 0.73 | 0.68 | 0.65 | 0.72 | 0.68 | 0.65 | 0.71 | 0.67 | 0.65 | 0.64 |
| 10 | 0.79 | 0.71 | 0.66 | 0.63 | 0.78 | 0.71 | 0.66 | 0.63 | 0.70 | 0.65 | 0.62 | 0.69 | 0.65 | 0.62 | 0.68 | 0.65 | 0.62 | 0.61 |

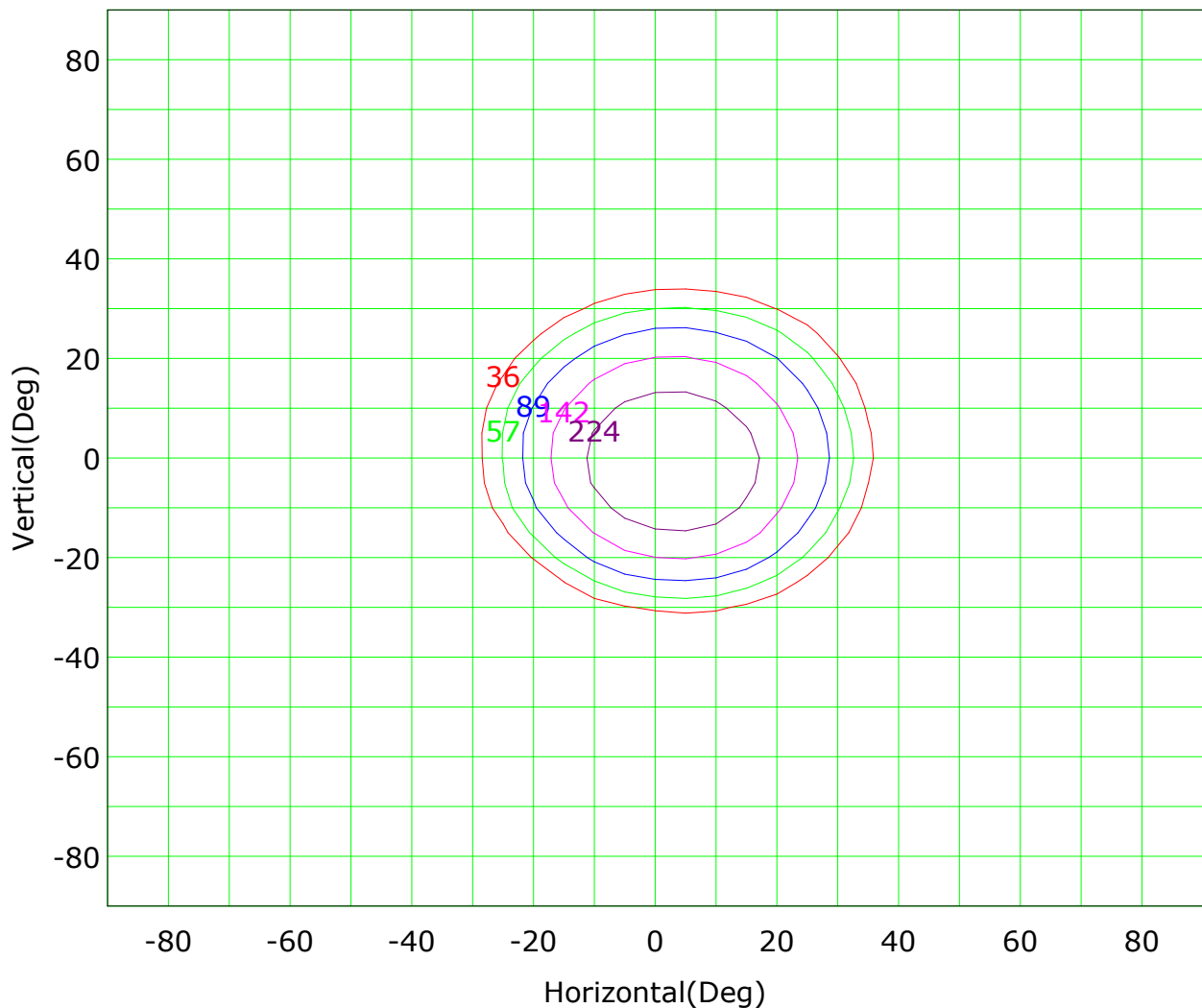
Spacing Criteria (0-180): 0.58
 Spacing Criteria (90-270): 0.57
 Spacing Criteria (Diagonal): 0.60



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 356 cd

| | | | |
|-----------|--------|-----------|--------|
| — (10%): | 36 cd | — (16%): | 57 cd |
| — (25%): | 89 cd | — (40%): | 142 cd |
| — (63%): | 224 cd | — (100%): | 356 cd |

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

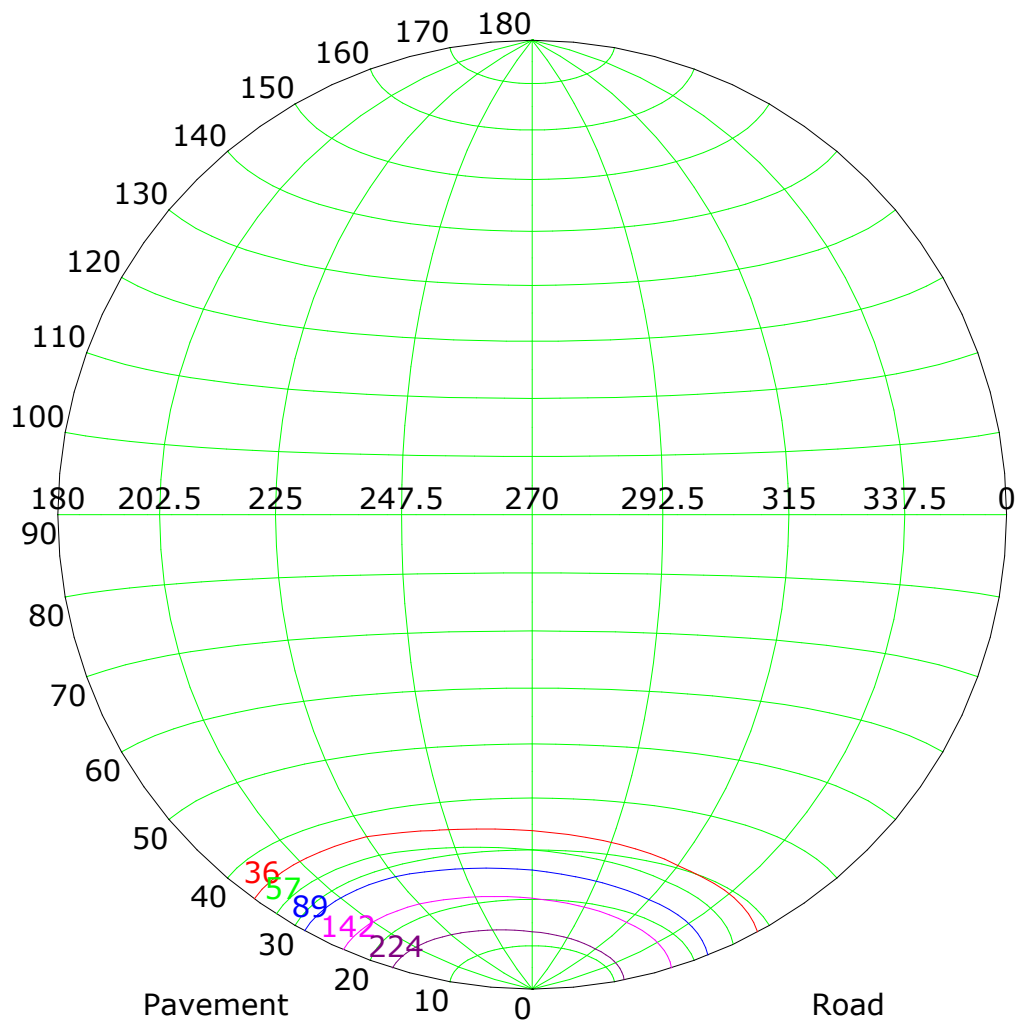
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 356 cd

| | | | |
|-----------|--------|-----------|--------|
| — (10%): | 36 cd | — (16%): | 57 cd |
| — (25%): | 89 cd | — (40%): | 142 cd |
| — (63%): | 224 cd | — (100%): | 356 cd |

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

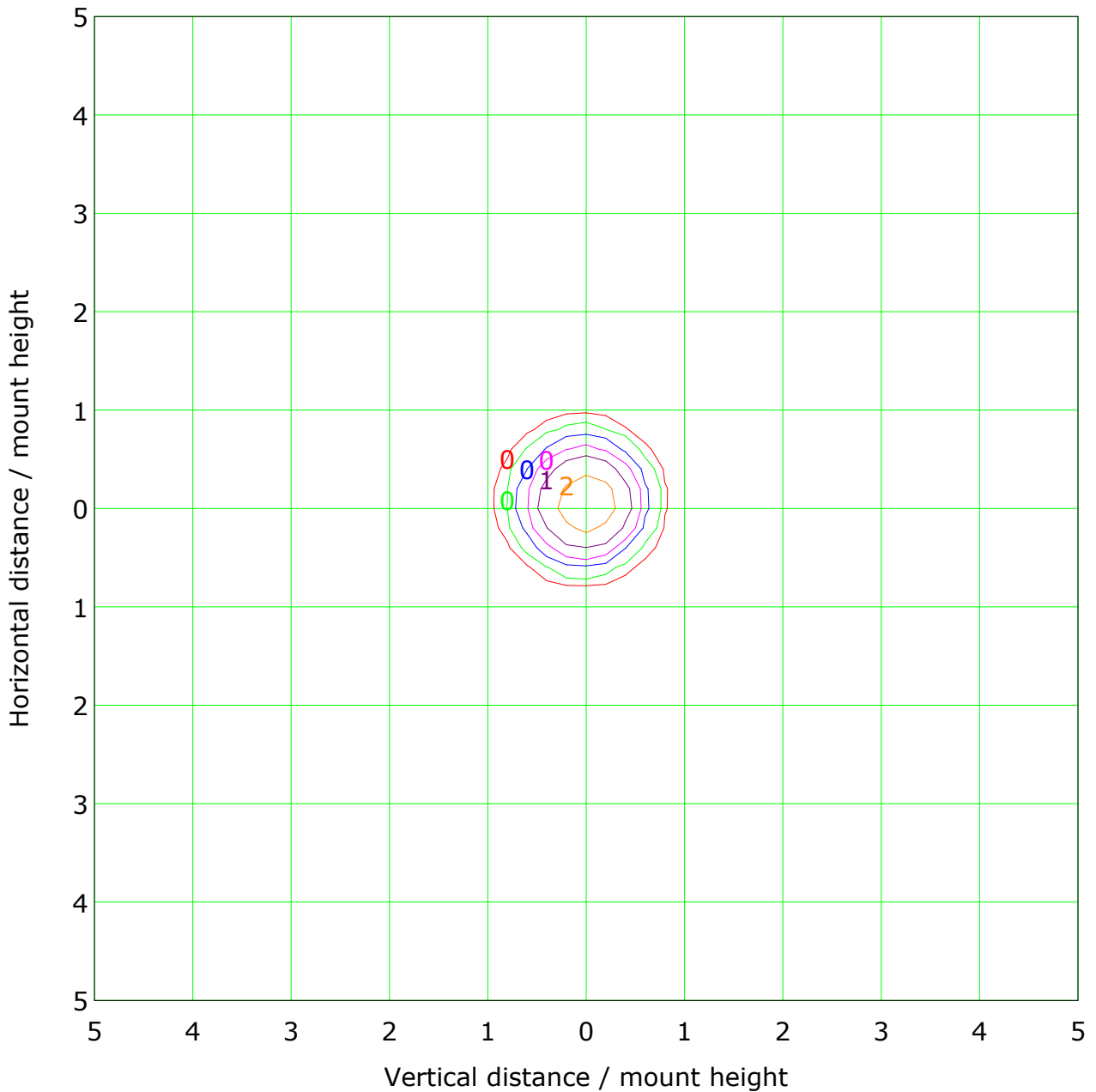
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.5 lx

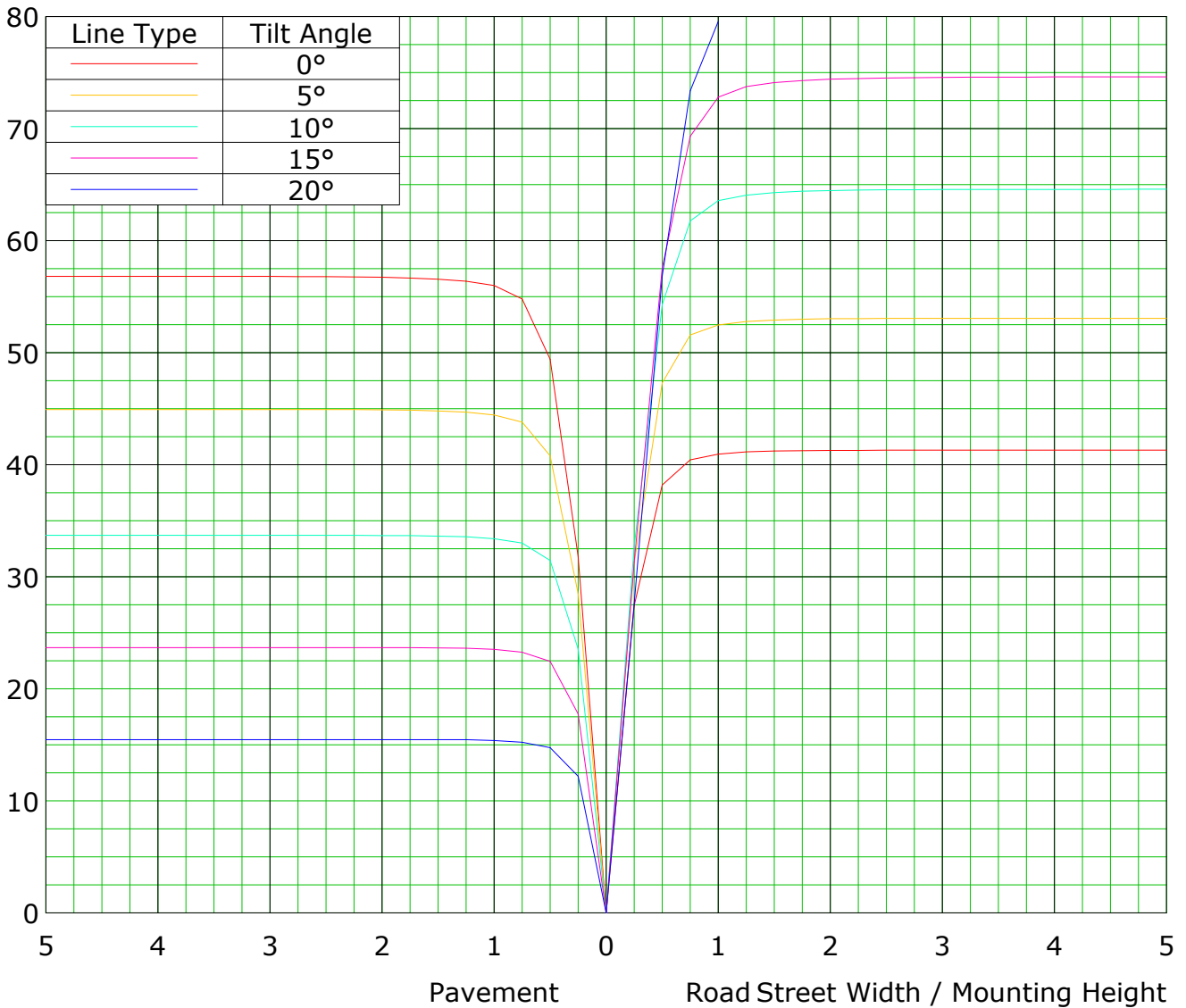
| | |
|------------------|-----------------|
| — (1%): 0.0 lx | — (2%): 0.1 lx |
| — (5%): 0.2 lx | — (10%): 0.4 lx |
| — (20%): 0.7 lx | — (50%): 1.8 lx |
| — (100%): 3.5 lx | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

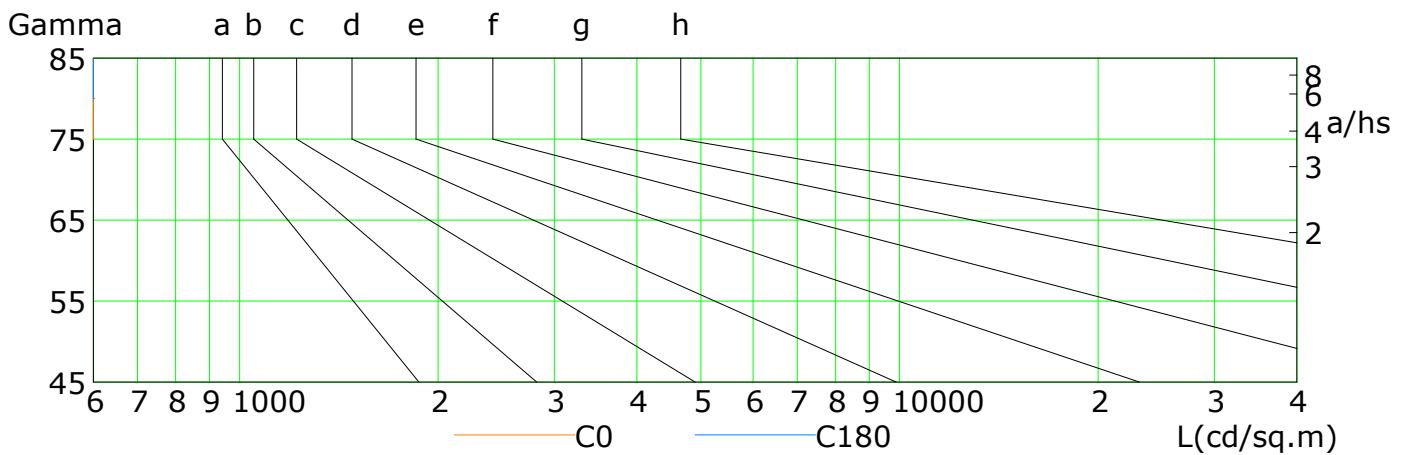
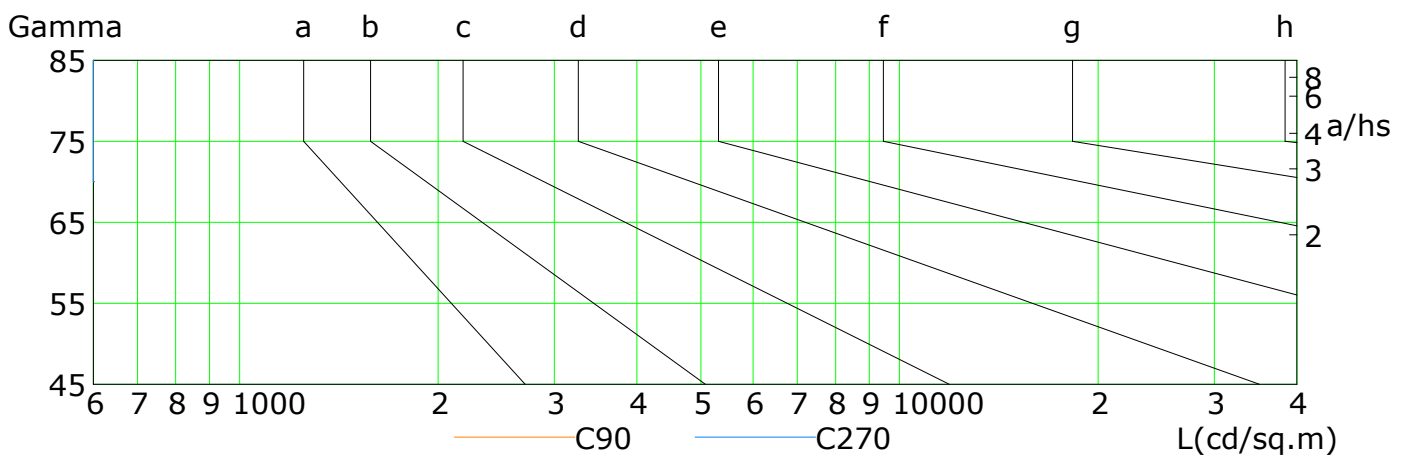
Humidity:

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 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| C90 | 4 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| C180 | 7 | 4 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |
| C270 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

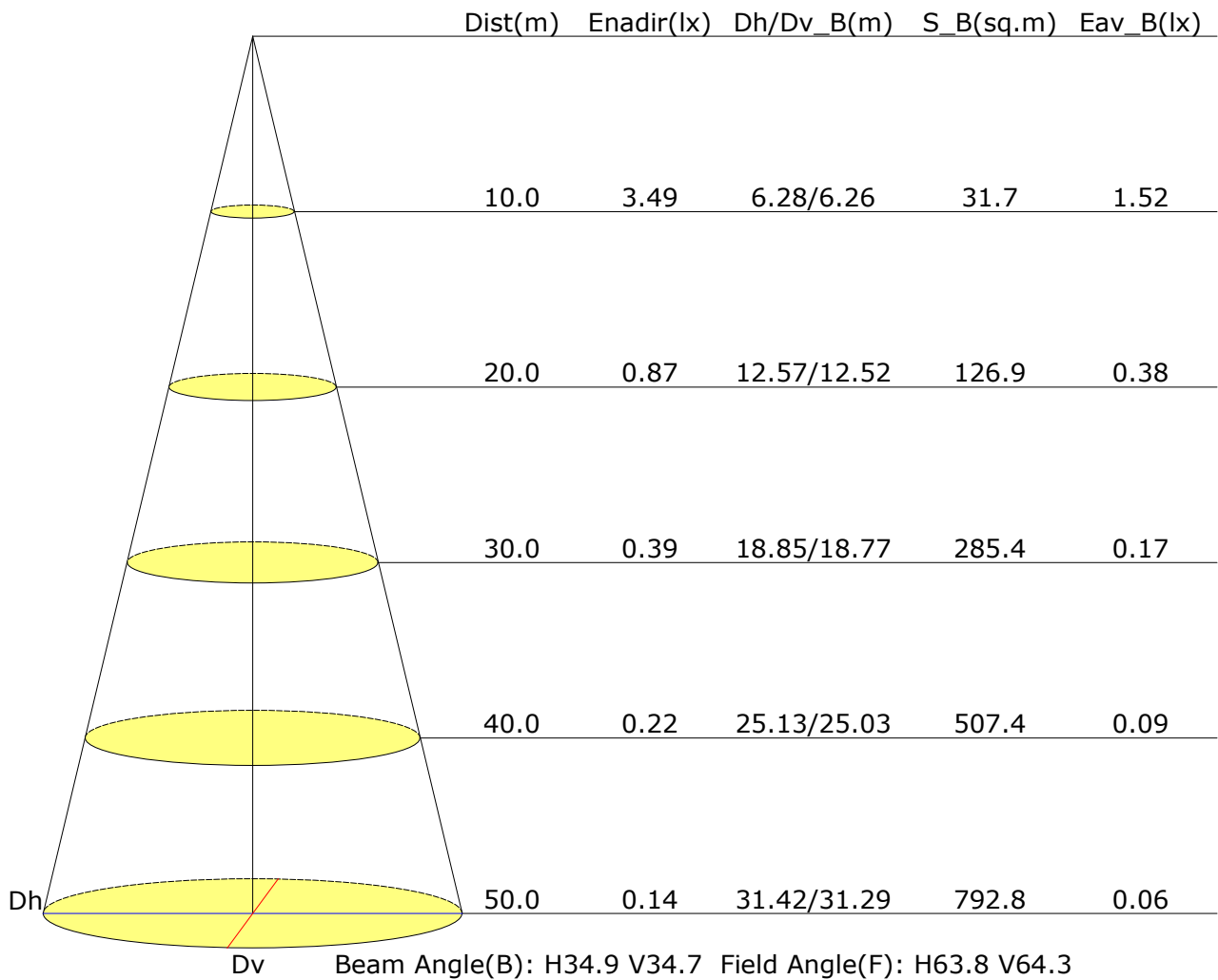
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

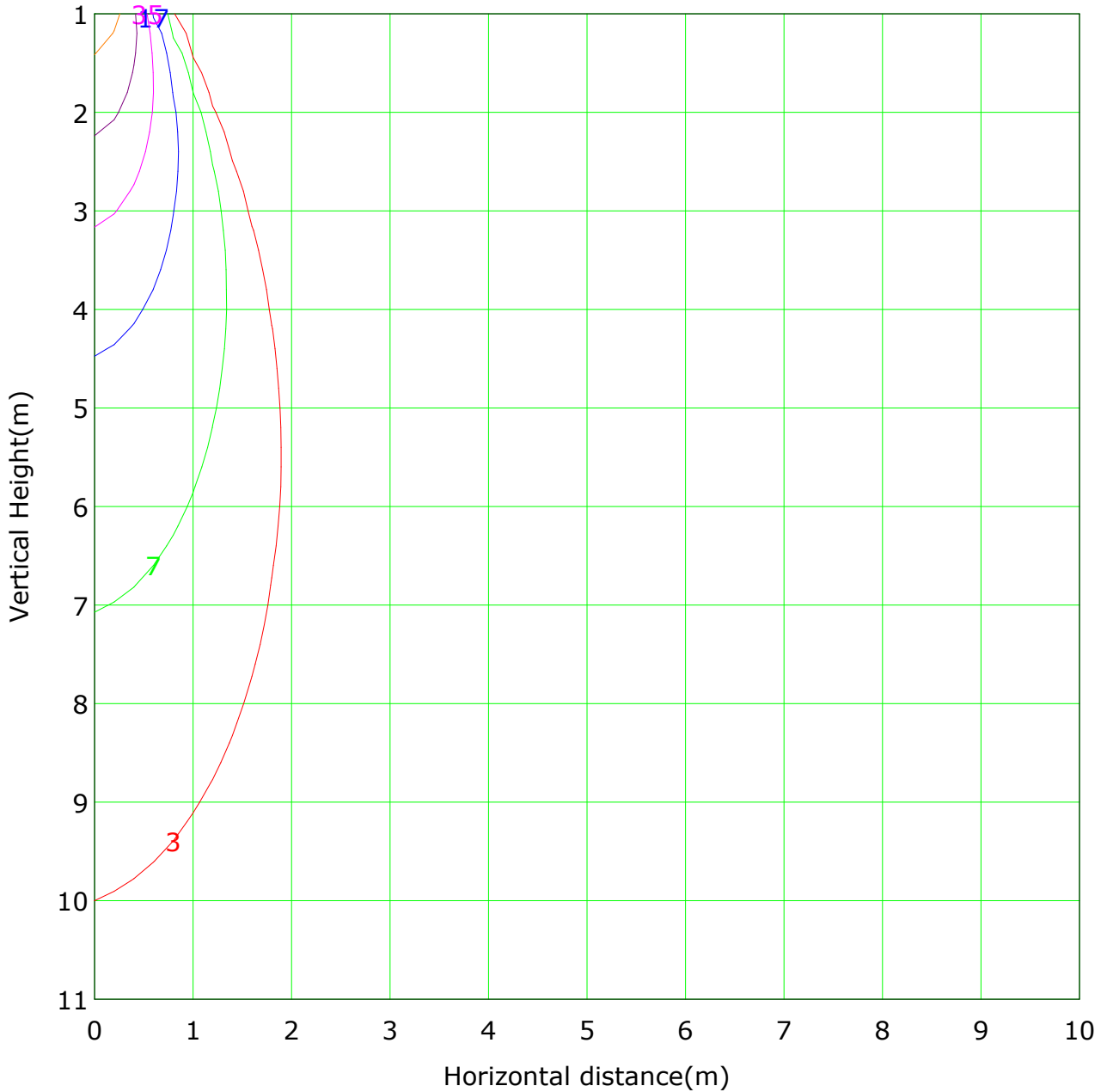
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



- | | | |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 348.9 lx |
| — (1%): 3.5 lx | — (2%): 7.0 lx | |
| — (5%): 17.4 lx | — (10%): 34.9 lx | |
| — (20%): 69.8 lx | — (50%): 174.5 lx | |
| — (100%): 348.9 lx | | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 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(T) | Flux(E) |
| Horizontal plane | -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 |
| | -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 |
| | -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 | 0.1 | 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 | 0.4 | 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 | 1.0 | 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 | 4.3 | 1.9 |
| | -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 | 14.0 | 12.3 |
| | -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 | 28.9 | 27.5 |
| | -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 | 39.5 | 38.2 |
| | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.7 | 33.3 |
| | 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 | 19.3 | 17.7 |
| | 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 | 6.6 | 4.3 |
| | 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 | 1.5 | 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 | 0.5 | 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 | 0.2 | 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 |
| | 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 |
| | 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 |
| 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 | |
| | | | | | | | | | | | | | | | | | | | | | 151 | 135 |

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

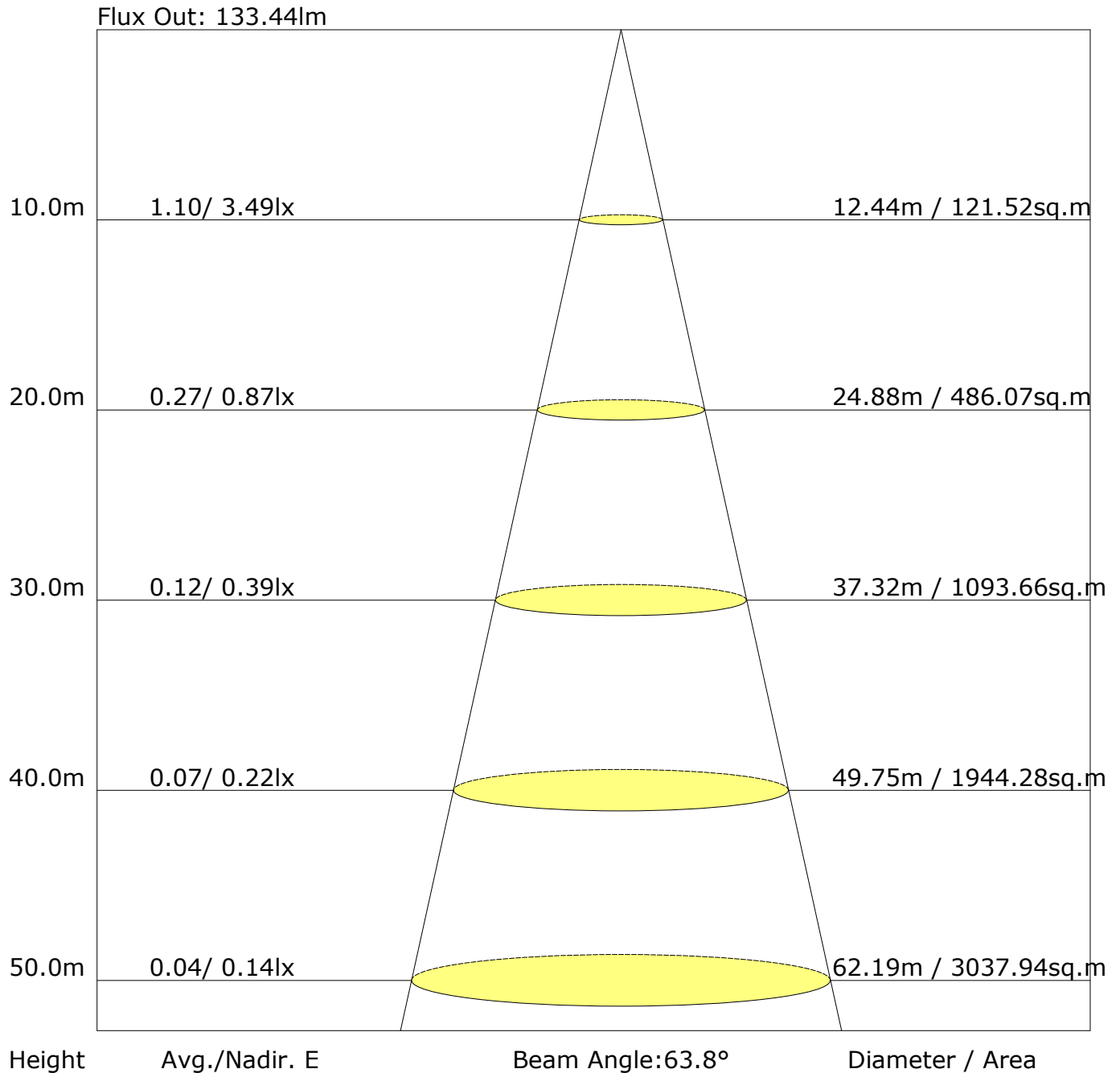
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

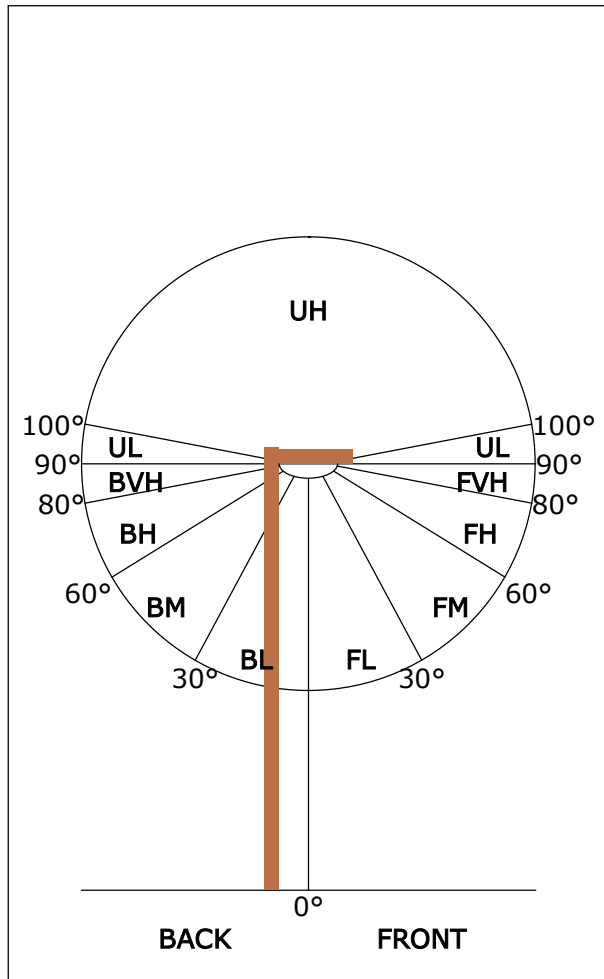
| | | | | | | | | | | | |
|------------------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|-------|
| Reflectance: | | | | | | | | | | | |
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| Wall | 0.5 | 0.3 | 0.5 | 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.\$ | 1.\$ |
| 3H | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ |
| 3H | 1.\$ | 1.\$ | 1.\$ | 1.\$ | 1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |

Calculate in accordance with CIE 190:2010 The table is revised with 152lm ($8\log(F/F_0) = -6.6$).

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



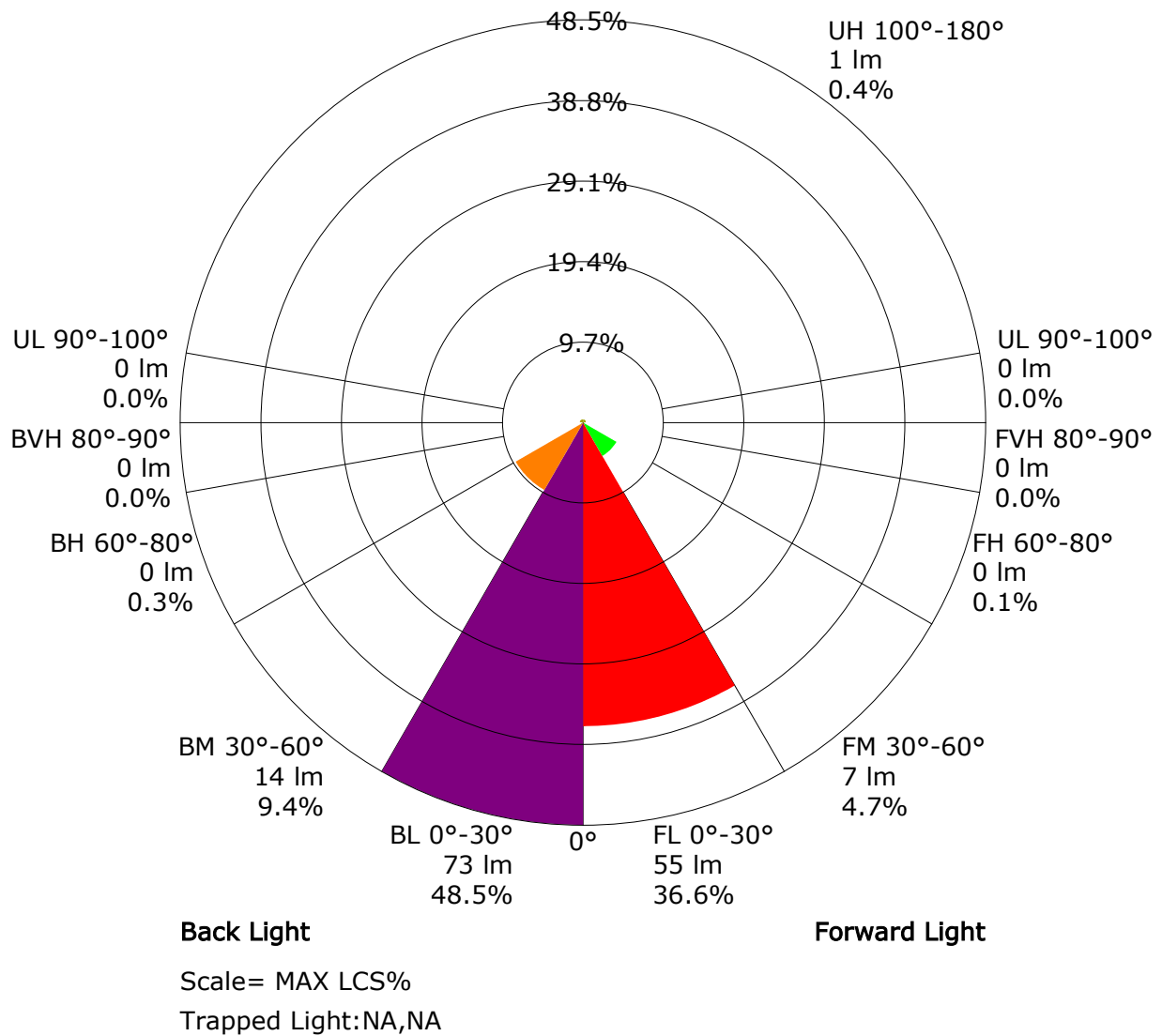
| ZONE | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT | 63 | 41.4 |
| FL (0°-30°) | 55 | 36.6 |
| FM (30°-60°) | 7 | 4.7 |
| FH (60°-80°) | 0 | 0.1 |
| FVH (80°-90°) | 0 | 0.0 |
| BACK LIGHT | 88 | 58.2 |
| BL (0°-30°) | 73 | 48.5 |
| BM (30°-60°) | 14 | 9.4 |
| BH (60°-80°) | 0 | 0.3 |
| BVH (80°-90°) | 0 | 0.0 |
| UP LIGHT | 1 | 0.4 |
| UL (90°-100°) | 0 | 0.0 |
| UH (100°-180°) | 1 | 0.4 |
| TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B0 U1 G0 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B0 U1 G0 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

LCS Graph



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

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 | 0.91 | 0.97 | 1.00 | 1.02 | 1.06 | 1.08 | 1.09 | 1.11 | 1.13 | |
| | 0.30 | | 0.87 | 0.93 | 0.96 | 0.99 | 1.03 | 1.05 | 1.07 | 1.09 | 1.11 | |
| | 0.20 | | 0.84 | 0.90 | 0.94 | 0.96 | 1.00 | 1.03 | 1.05 | 1.08 | 1.09 | |
| 0.50 | 0.50 | 0.20 | 0.90 | 0.95 | 0.98 | 1.00 | 1.03 | 1.05 | 1.06 | 1.08 | 1.08 | |
| | 0.30 | | 0.87 | 0.92 | 0.95 | 0.97 | 1.01 | 1.03 | 1.04 | 1.06 | 1.07 | |
| | 0.20 | | 0.84 | 0.89 | 0.93 | 0.95 | 0.98 | 1.01 | 1.02 | 1.05 | 1.06 | |
| 0.30 | 0.50 | 0.20 | 0.89 | 0.93 | 0.96 | 0.98 | 1.00 | 1.02 | 1.03 | 1.04 | 1.05 | |
| | 0.30 | | 0.86 | 0.91 | 0.94 | 0.96 | 0.98 | 1.00 | 1.01 | 1.03 | 1.04 | |
| | 0.20 | | 0.84 | 0.88 | 0.91 | 0.94 | 0.97 | 0.99 | 1.00 | 1.02 | 1.03 | |
| 0.00 | 0.00 | 0.00 | 0.82 | 0.87 | 0.89 | 0.91 | 0.94 | 0.95 | 0.96 | 0.97 | 0.98 | |
| <p>Rating:2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> | | | | | | | | | | | | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 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 | 0.50 | 0.40 | 0.34 | 0.29 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 | |
| | | 0.30 | 0.41 | 0.34 | 0.29 | 0.26 | 0.21 | 0.18 | 0.15 | 0.12 | 0.10 | |
| | | 0.20 | 0.35 | 0.30 | 0.26 | 0.23 | 0.19 | 0.16 | 0.14 | 0.11 | 0.09 | |
| 0.50 | 0.50 | 0.20 | 0.47 | 0.38 | 0.31 | 0.27 | 0.21 | 0.22 | 0.15 | 0.11 | 0.09 | |
| | | 0.30 | 0.40 | 0.33 | 0.28 | 0.24 | 0.19 | 0.16 | 0.14 | 0.11 | 0.09 | |
| | | 0.20 | 0.34 | 0.29 | 0.25 | 0.22 | 0.18 | 0.15 | 0.13 | 0.10 | 0.08 | |
| 0.30 | 0.50 | 0.20 | 0.45 | 0.35 | 0.29 | 0.25 | 0.19 | 0.16 | 0.13 | 0.10 | 0.08 | |
| | | 0.30 | 0.38 | 0.31 | 0.26 | 0.23 | 0.18 | 0.15 | 0.13 | 0.10 | 0.08 | |
| | | 0.20 | 0.33 | 0.28 | 0.24 | 0.21 | 0.17 | 0.14 | 0.12 | 0.09 | 0.08 | |
| 0.00 | 0.00 | 0.00 | 0.19 | 0.15 | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | |
| <p>Rating:2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> | | | | | | | | | | | | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 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 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 |
| | 0.30 | | 0.09 | 0.11 | 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 | 0.19 |
| 0.50 | 0.50 | 0.20 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.20 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.19 | 0.19 |
| | 0.20 | | 0.07 | 0.09 | 0.10 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 |
| 0.30 | 0.50 | 0.20 | 0.12 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.18 | 0.19 | 0.19 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.13 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Rating:2W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 348.4 | 0.3 | 0.3 | 0.22 | 0.22 |
| 1.0-2.0 | 346.8 | 1.0 | 1.3 | 0.66 | 0.88 |
| 2.0-3.0 | 343.6 | 1.6 | 3.0 | 1.08 | 1.96 |
| 3.0-4.0 | 338.7 | 2.3 | 5.2 | 1.50 | 3.46 |
| 4.0-5.0 | 332.4 | 2.9 | 8.1 | 1.89 | 5.35 |
| 5.0-6.0 | 325.0 | 3.4 | 11.5 | 2.25 | 7.60 |
| 6.0-7.0 | 316.3 | 3.9 | 15.4 | 2.59 | 10.19 |
| 7.0-8.0 | 306.7 | 4.4 | 19.8 | 2.90 | 13.09 |
| 8.0-9.0 | 296.0 | 4.8 | 24.6 | 3.17 | 16.25 |
| 9.0-10.0 | 284.2 | 5.1 | 29.8 | 3.39 | 19.65 |
| 10.0-11.0 | 271.7 | 5.4 | 35.2 | 3.58 | 23.23 |
| 11.0-12.0 | 258.8 | 5.7 | 40.9 | 3.73 | 26.96 |
| 12.0-13.0 | 245.2 | 5.8 | 46.7 | 3.84 | 30.81 |
| 13.0-14.0 | 231.4 | 5.9 | 52.6 | 3.91 | 34.71 |
| 14.0-15.0 | 217.3 | 6.0 | 58.6 | 3.94 | 38.65 |
| 15.0-16.0 | 203.1 | 6.0 | 64.5 | 3.93 | 42.58 |
| 16.0-17.0 | 189.4 | 5.9 | 70.4 | 3.89 | 46.47 |
| 17.0-18.0 | 176.1 | 5.8 | 76.2 | 3.83 | 50.31 |
| 18.0-19.0 | 163.2 | 5.7 | 81.9 | 3.75 | 54.05 |
| 19.0-20.0 | 150.6 | 5.5 | 87.4 | 3.64 | 57.69 |
| 20.0-21.0 | 138.3 | 5.3 | 92.7 | 3.51 | 61.20 |
| 21.0-22.0 | 126.6 | 5.1 | 97.8 | 3.36 | 64.55 |
| 22.0-23.0 | 115.6 | 4.9 | 102.7 | 3.20 | 67.76 |
| 23.0-24.0 | 105.2 | 4.6 | 107.3 | 3.04 | 70.79 |
| 24.0-25.0 | 95.1 | 4.3 | 111.6 | 2.85 | 73.65 |
| 25.0-26.0 | 85.8 | 4.0 | 115.7 | 2.67 | 76.32 |
| 26.0-27.0 | 76.8 | 3.8 | 119.4 | 2.48 | 78.80 |
| 27.0-28.0 | 68.3 | 3.5 | 122.9 | 2.28 | 81.08 |
| 28.0-29.0 | 60.2 | 3.2 | 126.0 | 2.08 | 83.16 |
| 29.0-30.0 | 53.0 | 2.9 | 128.9 | 1.89 | 85.05 |
| 30.0-31.0 | 46.4 | 2.6 | 131.5 | 1.70 | 86.75 |
| 31.0-32.0 | 40.2 | 2.3 | 133.8 | 1.52 | 88.27 |
| 32.0-33.0 | 34.6 | 2.0 | 135.8 | 1.35 | 89.62 |
| 33.0-34.0 | 29.7 | 1.8 | 137.6 | 1.19 | 90.80 |
| 34.0-35.0 | 25.4 | 1.6 | 139.2 | 1.04 | 91.84 |
| 35.0-36.0 | 21.5 | 1.4 | 140.5 | 0.90 | 92.75 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 18.1 | 1.2 | 141.7 | 0.78 | 93.52 |
| 37.0-38.0 | 15.2 | 1.0 | 142.7 | 0.67 | 94.19 |
| 38.0-39.0 | 12.9 | 0.9 | 143.6 | 0.58 | 94.78 |
| 39.0-40.0 | 11.0 | 0.8 | 144.4 | 0.51 | 95.28 |
| 40.0-41.0 | 9.3 | 0.7 | 145.1 | 0.44 | 95.72 |
| 41.0-42.0 | 7.9 | 0.6 | 145.6 | 0.38 | 96.10 |
| 42.0-43.0 | 6.9 | 0.5 | 146.1 | 0.34 | 96.44 |
| 43.0-44.0 | 6.0 | 0.5 | 146.6 | 0.30 | 96.73 |
| 44.0-45.0 | 5.3 | 0.4 | 147.0 | 0.27 | 97.00 |
| 45.0-46.0 | 4.7 | 0.4 | 147.4 | 0.24 | 97.25 |
| 46.0-47.0 | 4.3 | 0.3 | 147.7 | 0.22 | 97.47 |
| 47.0-48.0 | 3.9 | 0.3 | 148.0 | 0.21 | 97.68 |
| 48.0-49.0 | 3.6 | 0.3 | 148.3 | 0.19 | 97.87 |
| 49.0-50.0 | 3.3 | 0.3 | 148.6 | 0.18 | 98.05 |
| 50.0-51.0 | 3.0 | 0.3 | 148.8 | 0.17 | 98.21 |
| 51.0-52.0 | 2.7 | 0.2 | 149.1 | 0.15 | 98.36 |
| 52.0-53.0 | 2.4 | 0.2 | 149.3 | 0.14 | 98.50 |
| 53.0-54.0 | 2.2 | 0.2 | 149.5 | 0.13 | 98.63 |
| 54.0-55.0 | 2.0 | 0.2 | 149.6 | 0.12 | 98.75 |
| 55.0-56.0 | 1.8 | 0.2 | 149.8 | 0.11 | 98.85 |
| 56.0-57.0 | 1.6 | 0.1 | 149.9 | 0.10 | 98.95 |
| 57.0-58.0 | 1.4 | 0.1 | 150.1 | 0.09 | 99.03 |
| 58.0-59.0 | 1.3 | 0.1 | 150.2 | 0.08 | 99.11 |
| 59.0-60.0 | 1.1 | 0.1 | 150.3 | 0.07 | 99.18 |
| 60.0-61.0 | 1.0 | 0.1 | 150.4 | 0.06 | 99.24 |
| 61.0-62.0 | 0.9 | 0.1 | 150.5 | 0.05 | 99.30 |
| 62.0-63.0 | 0.8 | 0.1 | 150.6 | 0.05 | 99.35 |
| 63.0-64.0 | 0.7 | 0.1 | 150.6 | 0.04 | 99.39 |
| 64.0-65.0 | 0.6 | 0.1 | 150.7 | 0.04 | 99.43 |
| 65.0-66.0 | 0.5 | 0.0 | 150.7 | 0.03 | 99.46 |
| 66.0-67.0 | 0.4 | 0.0 | 150.8 | 0.03 | 99.49 |
| 67.0-68.0 | 0.3 | 0.0 | 150.8 | 0.02 | 99.51 |
| 68.0-69.0 | 0.3 | 0.0 | 150.8 | 0.02 | 99.53 |
| 69.0-70.0 | 0.2 | 0.0 | 150.8 | 0.01 | 99.54 |
| 70.0-71.0 | 0.2 | 0.0 | 150.9 | 0.01 | 99.56 |
| 71.0-72.0 | 0.1 | 0.0 | 150.9 | 0.01 | 99.56 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 0.1 | 0.0 | 150.9 | 0.01 | 99.57 |
| 73.0-74.0 | 0.1 | 0.0 | 150.9 | 0.01 | 99.58 |
| 74.0-75.0 | 0.1 | 0.0 | 150.9 | 0.01 | 99.58 |
| 75.0-76.0 | 0.1 | 0.0 | 150.9 | 0.00 | 99.59 |
| 76.0-77.0 | 0.1 | 0.0 | 150.9 | 0.00 | 99.59 |
| 77.0-78.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.59 |
| 78.0-79.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 79.0-80.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 80.0-81.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 81.0-82.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 82.0-83.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 83.0-84.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 84.0-85.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 85.0-86.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 86.0-87.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 87.0-88.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 88.0-89.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 89.0-90.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 90.0-91.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 91.0-92.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 92.0-93.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 93.0-94.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 94.0-95.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 95.0-96.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 96.0-97.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 97.0-98.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 98.0-99.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 99.0-100.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 100.0-101.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 101.0-102.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 102.0-103.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 103.0-104.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 104.0-105.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 105.0-106.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 106.0-107.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 107.0-108.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 109.0-110.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 110.0-111.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 111.0-112.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 112.0-113.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 113.0-114.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 114.0-115.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 115.0-116.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 116.0-117.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 117.0-118.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 118.0-119.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 119.0-120.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 120.0-121.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 121.0-122.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 122.0-123.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 123.0-124.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 124.0-125.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 125.0-126.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 126.0-127.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 127.0-128.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 128.0-129.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 129.0-130.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 130.0-131.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 131.0-132.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 132.0-133.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 133.0-134.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 134.0-135.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 135.0-136.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 136.0-137.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 137.0-138.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 138.0-139.0 | 0.0 | 0.0 | 150.9 | 0.00 | 99.60 |
| 139.0-140.0 | 0.1 | 0.0 | 150.9 | 0.00 | 99.61 |
| 140.0-141.0 | 0.1 | 0.0 | 150.9 | 0.00 | 99.61 |
| 141.0-142.0 | 0.1 | 0.0 | 151.0 | 0.01 | 99.62 |
| 142.0-143.0 | 0.2 | 0.0 | 151.0 | 0.01 | 99.62 |
| 143.0-144.0 | 0.2 | 0.0 | 151.0 | 0.01 | 99.63 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 0.2 | 0.0 | 151.0 | 0.01 | 99.64 |
| 145.0-146.0 | 0.2 | 0.0 | 151.0 | 0.01 | 99.65 |
| 146.0-147.0 | 0.2 | 0.0 | 151.0 | 0.01 | 99.66 |
| 147.0-148.0 | 0.3 | 0.0 | 151.0 | 0.01 | 99.67 |
| 148.0-149.0 | 0.3 | 0.0 | 151.1 | 0.01 | 99.68 |
| 149.0-150.0 | 0.3 | 0.0 | 151.1 | 0.01 | 99.69 |
| 150.0-151.0 | 0.3 | 0.0 | 151.1 | 0.01 | 99.70 |
| 151.0-152.0 | 0.4 | 0.0 | 151.1 | 0.01 | 99.72 |
| 152.0-153.0 | 0.4 | 0.0 | 151.1 | 0.01 | 99.73 |
| 153.0-154.0 | 0.4 | 0.0 | 151.1 | 0.01 | 99.74 |
| 154.0-155.0 | 0.4 | 0.0 | 151.2 | 0.01 | 99.76 |
| 155.0-156.0 | 0.5 | 0.0 | 151.2 | 0.01 | 99.77 |
| 156.0-157.0 | 0.5 | 0.0 | 151.2 | 0.01 | 99.78 |
| 157.0-158.0 | 0.5 | 0.0 | 151.2 | 0.01 | 99.80 |
| 158.0-159.0 | 0.5 | 0.0 | 151.3 | 0.01 | 99.81 |
| 159.0-160.0 | 0.6 | 0.0 | 151.3 | 0.01 | 99.83 |
| 160.0-161.0 | 0.6 | 0.0 | 151.3 | 0.01 | 99.84 |
| 161.0-162.0 | 0.6 | 0.0 | 151.3 | 0.01 | 99.86 |
| 162.0-163.0 | 0.6 | 0.0 | 151.3 | 0.01 | 99.87 |
| 163.0-164.0 | 0.6 | 0.0 | 151.4 | 0.01 | 99.88 |
| 164.0-165.0 | 0.7 | 0.0 | 151.4 | 0.01 | 99.90 |
| 165.0-166.0 | 0.7 | 0.0 | 151.4 | 0.01 | 99.91 |
| 166.0-167.0 | 0.7 | 0.0 | 151.4 | 0.01 | 99.92 |
| 167.0-168.0 | 0.7 | 0.0 | 151.4 | 0.01 | 99.93 |
| 168.0-169.0 | 0.7 | 0.0 | 151.5 | 0.01 | 99.94 |
| 169.0-170.0 | 0.7 | 0.0 | 151.5 | 0.01 | 99.95 |
| 170.0-171.0 | 0.8 | 0.0 | 151.5 | 0.01 | 99.96 |
| 171.0-172.0 | 0.8 | 0.0 | 151.5 | 0.01 | 99.97 |
| 172.0-173.0 | 0.8 | 0.0 | 151.5 | 0.01 | 99.98 |
| 173.0-174.0 | 0.8 | 0.0 | 151.5 | 0.01 | 99.98 |
| 174.0-175.0 | 0.8 | 0.0 | 151.5 | 0.01 | 99.99 |
| 175.0-176.0 | 0.8 | 0.0 | 151.5 | 0.00 | 99.99 |
| 176.0-177.0 | 0.8 | 0.0 | 151.5 | 0.00 | 100.00 |
| 177.0-178.0 | 0.8 | 0.0 | 151.5 | 0.00 | 100.00 |
| 178.0-179.0 | 0.8 | 0.0 | 151.5 | 0.00 | 100.00 |
| 179.0-180.0 | 0.8 | 0.0 | 151.5 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 147.00 lm

%lum = 97.0%

%lamp = 97.0%

cone flux(120°): 150.30 lm

%lum = 99.2%

%lamp = 99.2%

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 | |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G0.0 | 348.9 | 349.3 | 348.8 | 348.0 | 348.9 | 349.3 | 348.8 | 348.0 | 348.9 | |
| G1.0 | 343.5 | 346.9 | 350.7 | 352.5 | 352.9 | 350.0 | 345.2 | 342.2 | 343.5 | |
| G2.0 | 336.9 | 343.1 | 350.6 | 355.2 | 355.2 | 348.3 | 340.2 | 335.5 | 336.9 | |
| G3.0 | 328.9 | 336.5 | 348.3 | 356.1 | 355.0 | 345.1 | 334.6 | 327.6 | 328.9 | |
| G4.0 | 319.6 | 329.3 | 344.5 | 355.3 | 353.9 | 339.8 | 327.9 | 316.8 | 319.6 | |
| G5.0 | 308.8 | 320.4 | 339.4 | 352.7 | 350.5 | 333.9 | 319.2 | 307.0 | 308.8 | |
| G6.0 | 296.4 | 310.7 | 332.1 | 348.0 | 346.5 | 327.6 | 310.5 | 295.7 | 296.4 | |
| G7.0 | 283.8 | 297.9 | 323.6 | 342.7 | 341.5 | 319.5 | 301.0 | 284.1 | 283.8 | |
| G8.0 | 270.7 | 284.8 | 313.6 | 336.0 | 334.7 | 311.0 | 289.6 | 272.9 | 270.7 | |
| G9.0 | 257.0 | 271.4 | 302.2 | 327.7 | 326.8 | 301.4 | 276.9 | 259.5 | 257.0 | |
| G10.0 | 241.7 | 256.2 | 288.3 | 319.7 | 316.4 | 290.3 | 264.6 | 246.8 | 241.7 | |
| G11.0 | 227.2 | 240.9 | 274.4 | 310.8 | 305.6 | 278.9 | 252.2 | 233.9 | 227.2 | |
| G12.0 | 212.8 | 223.9 | 259.5 | 299.1 | 294.4 | 266.6 | 239.7 | 220.4 | 212.8 | |
| G13.0 | 197.9 | 208.6 | 244.9 | 286.5 | 282.3 | 253.5 | 226.9 | 206.8 | 197.9 | |
| G14.0 | 183.7 | 193.0 | 229.9 | 272.3 | 269.6 | 240.8 | 213.0 | 192.5 | 183.7 | |
| G15.0 | 168.8 | 178.2 | 213.9 | 257.6 | 255.3 | 227.8 | 200.0 | 179.6 | 168.8 | |
| G16.0 | 155.6 | 162.4 | 199.4 | 240.3 | 241.9 | 214.3 | 188.1 | 167.2 | 155.6 | |
| G17.0 | 142.5 | 149.8 | 184.3 | 223.9 | 227.9 | 201.4 | 176.5 | 155.7 | 142.5 | |
| G18.0 | 130.3 | 135.3 | 170.4 | 208.5 | 213.8 | 189.0 | 165.6 | 143.1 | 130.3 | |
| G19.0 | 118.4 | 123.3 | 156.6 | 193.7 | 198.9 | 177.3 | 154.6 | 132.5 | 118.4 | |
| G20.0 | 105.9 | 111.5 | 142.1 | 179.3 | 183.8 | 165.7 | 144.5 | 121.4 | 105.9 | |
| G21.0 | 95.0 | 98.9 | 129.3 | 164.1 | 170.8 | 155.0 | 135.0 | 111.1 | 95.0 | |
| G22.0 | 84.9 | 88.2 | 116.4 | 151.0 | 157.1 | 144.0 | 125.6 | 99.8 | 84.9 | |
| G23.0 | 75.6 | 78.2 | 104.2 | 138.0 | 146.9 | 134.2 | 116.3 | 89.9 | 75.6 | |
| G24.0 | 65.8 | 68.9 | 92.1 | 125.7 | 135.0 | 125.2 | 106.4 | 80.9 | 65.8 | |
| G25.0 | 57.7 | 59.3 | 81.9 | 113.0 | 124.3 | 116.1 | 97.3 | 72.4 | 57.7 | |
| G26.0 | 50.1 | 51.1 | 71.9 | 102.1 | 114.4 | 106.9 | 88.8 | 64.7 | 50.1 | |
| G27.0 | 43.0 | 43.6 | 62.2 | 91.5 | 104.6 | 97.7 | 80.4 | 56.6 | 43.0 | |
| G28.0 | 35.9 | 36.8 | 53.6 | 80.7 | 94.5 | 89.4 | 71.7 | 50.1 | 35.9 | |
| G29.0 | 30.0 | 30.0 | 46.0 | 71.2 | 85.2 | 81.2 | 64.0 | 43.6 | 30.0 | |
| G30.0 | 25.1 | 24.9 | 39.2 | 62.7 | 76.4 | 73.6 | 57.0 | 37.6 | 25.1 | |
| G31.0 | 20.8 | 20.4 | 33.1 | 54.8 | 68.1 | 65.7 | 50.8 | 31.6 | 20.8 | |
| G32.0 | 17.0 | 16.8 | 27.2 | 46.3 | 60.4 | 58.9 | 44.1 | 26.7 | 17.0 | |
| G33.0 | 14.3 | 13.7 | 22.3 | 39.2 | 53.3 | 52.5 | 38.5 | 22.5 | 14.3 | |
| G34.0 | 11.9 | 11.5 | 18.2 | 32.7 | 46.3 | 46.6 | 33.4 | 18.9 | 11.9 | |
| G35.0 | 10.1 | 9.8 | 14.7 | 27.0 | 39.8 | 40.4 | 28.6 | 15.9 | 10.1 | |
| G36.0 | 8.5 | 8.4 | 12.3 | 22.2 | 33.7 | 34.5 | 24.2 | 13.2 | 8.5 | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|-------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G37.0 | 7.4 | 7.3 | 10.3 | 17.9 | 28.0 | 29.7 | 20.2 | 11.1 | 7.4 |
| G38.0 | 6.5 | 6.6 | 8.8 | 14.8 | 23.4 | 25.4 | 17.0 | 9.4 | 6.5 |
| G39.0 | 5.7 | 5.9 | 7.7 | 12.3 | 19.5 | 21.5 | 14.2 | 8.0 | 5.7 |
| G40.0 | 5.1 | 5.4 | 6.7 | 10.3 | 16.3 | 17.9 | 11.9 | 7.0 | 5.1 |
| G41.0 | 4.5 | 4.9 | 5.9 | 8.7 | 13.3 | 15.1 | 9.8 | 6.0 | 4.5 |
| G42.0 | 4.1 | 4.5 | 5.4 | 7.5 | 11.1 | 12.7 | 8.3 | 5.3 | 4.1 |
| G43.0 | 3.8 | 4.2 | 4.8 | 6.7 | 9.4 | 10.7 | 7.1 | 4.7 | 3.8 |
| G44.0 | 3.4 | 3.9 | 4.4 | 6.0 | 7.9 | 8.9 | 6.0 | 4.2 | 3.4 |
| G45.0 | 3.1 | 3.6 | 4.1 | 5.3 | 6.8 | 7.7 | 5.2 | 3.8 | 3.1 |
| G46.0 | 2.9 | 3.5 | 3.8 | 4.9 | 6.1 | 6.7 | 4.5 | 3.4 | 2.9 |
| G47.0 | 2.8 | 3.3 | 3.5 | 4.5 | 5.4 | 5.9 | 4.0 | 3.1 | 2.8 |
| G48.0 | 2.6 | 3.2 | 3.3 | 4.1 | 4.9 | 5.2 | 3.6 | 2.8 | 2.6 |
| G49.0 | 2.5 | 3.0 | 3.2 | 3.8 | 4.4 | 4.6 | 3.2 | 2.5 | 2.5 |
| G50.0 | 2.2 | 2.8 | 3.0 | 3.6 | 4.0 | 4.2 | 2.8 | 2.2 | 2.2 |
| G51.0 | 2.1 | 2.5 | 2.8 | 3.3 | 3.7 | 3.8 | 2.4 | 1.8 | 2.1 |
| G52.0 | 1.9 | 2.2 | 2.6 | 3.1 | 3.4 | 3.4 | 2.1 | 1.6 | 1.9 |
| G53.0 | 1.7 | 1.9 | 2.3 | 3.0 | 3.1 | 3.1 | 1.8 | 1.4 | 1.7 |
| G54.0 | 1.6 | 1.5 | 2.1 | 2.8 | 2.8 | 2.8 | 1.6 | 1.3 | 1.6 |
| G55.0 | 1.5 | 1.2 | 1.9 | 2.6 | 2.6 | 2.6 | 1.4 | 1.2 | 1.5 |
| G56.0 | 1.3 | 1.0 | 1.6 | 2.4 | 2.5 | 2.3 | 1.3 | 1.1 | 1.3 |
| G57.0 | 1.1 | 0.9 | 1.4 | 2.2 | 2.3 | 2.2 | 1.1 | 0.9 | 1.1 |
| G58.0 | 0.9 | 0.8 | 1.1 | 2.0 | 2.1 | 2.0 | 1.0 | 0.8 | 0.9 |
| G59.0 | 0.8 | 0.7 | 0.8 | 1.9 | 2.0 | 1.8 | 0.9 | 0.7 | 0.8 |
| G60.0 | 0.6 | 0.6 | 0.7 | 1.6 | 1.8 | 1.6 | 0.8 | 0.6 | 0.6 |
| G61.0 | 0.6 | 0.5 | 0.5 | 1.2 | 1.7 | 1.5 | 0.7 | 0.6 | 0.6 |
| G62.0 | 0.5 | 0.4 | 0.5 | 1.0 | 1.6 | 1.4 | 0.6 | 0.5 | 0.5 |
| G63.0 | 0.5 | 0.4 | 0.4 | 0.9 | 1.5 | 1.3 | 0.5 | 0.4 | 0.5 |
| G64.0 | 0.4 | 0.3 | 0.3 | 0.8 | 1.3 | 1.2 | 0.5 | 0.4 | 0.4 |
| G65.0 | 0.4 | 0.2 | 0.3 | 0.7 | 1.1 | 1.0 | 0.4 | 0.3 | 0.4 |
| G66.0 | 0.3 | 0.1 | 0.3 | 0.6 | 0.9 | 0.9 | 0.3 | 0.1 | 0.3 |
| G67.0 | 0.3 | 0.0 | 0.2 | 0.5 | 0.8 | 0.7 | 0.3 | 0.1 | 0.3 |
| G68.0 | 0.2 | 0.0 | 0.1 | 0.4 | 0.7 | 0.6 | 0.2 | 0.0 | 0.2 |
| G69.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.6 | 0.6 | 0.1 | 0.0 | 0.2 |
| G70.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.6 | 0.5 | 0.0 | 0.0 | 0.2 |
| G71.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.5 | 0.5 | 0.0 | 0.0 | 0.1 |
| G72.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 |
| G73.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.0 | 0.0 | 0.0 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G74.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 |
| G75.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 |
| G76.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| G77.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| G78.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| G79.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| G80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G81.0 | 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 |
| G83.0 | 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 |
| G85.0 | 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 |
| G87.0 | 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 |
| G89.0 | 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 |
| G91.0 | 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 |
| G93.0 | 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 |
| G95.0 | 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 |
| G97.0 | 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 |
| G99.0 | 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 |
| G101.0 | 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 |
| G103.0 | 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 |
| G105.0 | 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 |
| G107.0 | 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 |
| G109.0 | 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 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G111.0 | 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 |
| G113.0 | 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 |
| G115.0 | 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 |
| G117.0 | 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 |
| G119.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G120.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G121.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G122.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G123.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G124.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G125.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G126.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G127.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G128.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G129.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G130.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G131.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G132.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G133.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G134.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G135.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| G136.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| G137.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| G138.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| G139.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| G140.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 |
| G141.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 |
| G142.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 |
| G143.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 |
| G144.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 |
| G145.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 |
| G146.0 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| G147.0 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G148.0 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 |
| G149.0 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 |
| G150.0 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| G151.0 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 |
| G152.0 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 |
| G153.0 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 |
| G154.0 | 0.5 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 |
| G155.0 | 0.6 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 |
| G156.0 | 0.6 | 0.5 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 |
| G157.0 | 0.6 | 0.5 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 |
| G158.0 | 0.6 | 0.6 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 |
| G159.0 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 |
| G160.0 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 |
| G161.0 | 0.7 | 0.7 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 |
| G162.0 | 0.7 | 0.7 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 |
| G163.0 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 |
| G164.0 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 |
| G165.0 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 |
| G166.0 | 0.8 | 0.8 | 0.7 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 |
| G167.0 | 0.8 | 0.8 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 |
| G168.0 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 |
| G169.0 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 |
| G170.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 |
| G171.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | 0.7 | 0.7 | 0.8 | 0.8 |
| G172.0 | 0.9 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.9 |
| G173.0 | 0.9 | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 |
| G174.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 |
| G175.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 |
| G176.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 |
| G177.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 |
| G178.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| G179.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 |
| G180.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

LED Average Luminance Report

| Avg.L | cd/m ² |
|-----------------|-------------------|
| L 0-180(65) av | 1.#J |
| L 0-180(75) av | 1.#J |
| L 0-180(85) av | -1.#J |
| L 90-270(65) av | 1.#J |
| L 90-270(75) av | -1.#J |
| L 90-270(85) av | -1.#J |
| L 45(65) av | 1.#J |
| L 45(75) av | 1.#J |
| L 45(85) av | -1.#J |

Standard: GB/T 29293-2012

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity:
Inspector: