

Report No.:

Test Time: 2023/4/27 20:51

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.321 A
Power Factor: 0.772

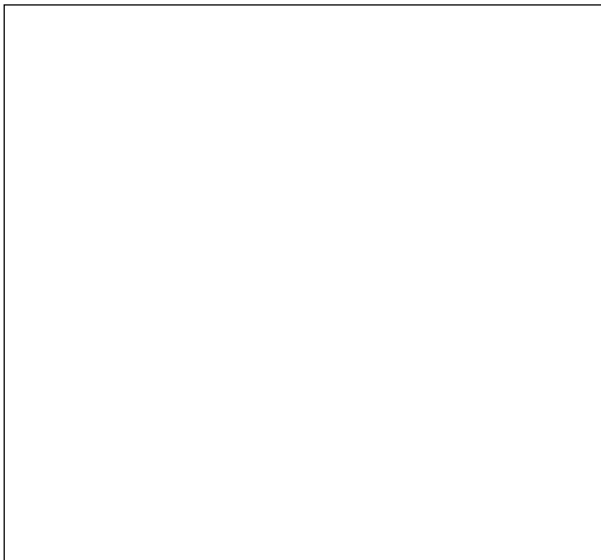
Luminaire Description: 489104 MIRAGE-V2
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 12.3 V
Power: 3.05 W

Photometric Results

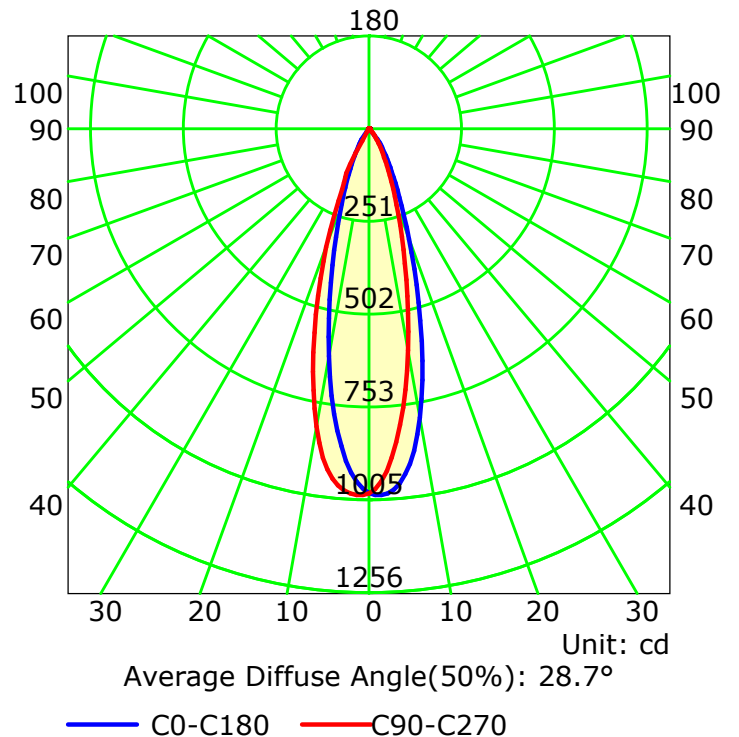
CIE Class: Direct
Measurement Flux: 304.1 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(25%,50%,75%,100%): H41.1,H28.5,H18.8,H2
Vertical Diffuse Angle(25%,50%,75%,100%): V41.1,V28.9,V19,V2
Luminaire Efficacy Rating (LER): 99.77
Max. Intensity: 996.95 cd
S/MH(C0/C180): 0.48

Total Rated Lamp Lumens: 304.1 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 986.39 cd
Pos of Max. Intensity: H300 V2
S/MH(C90/C270): 0.49

Picture Of Luminaire



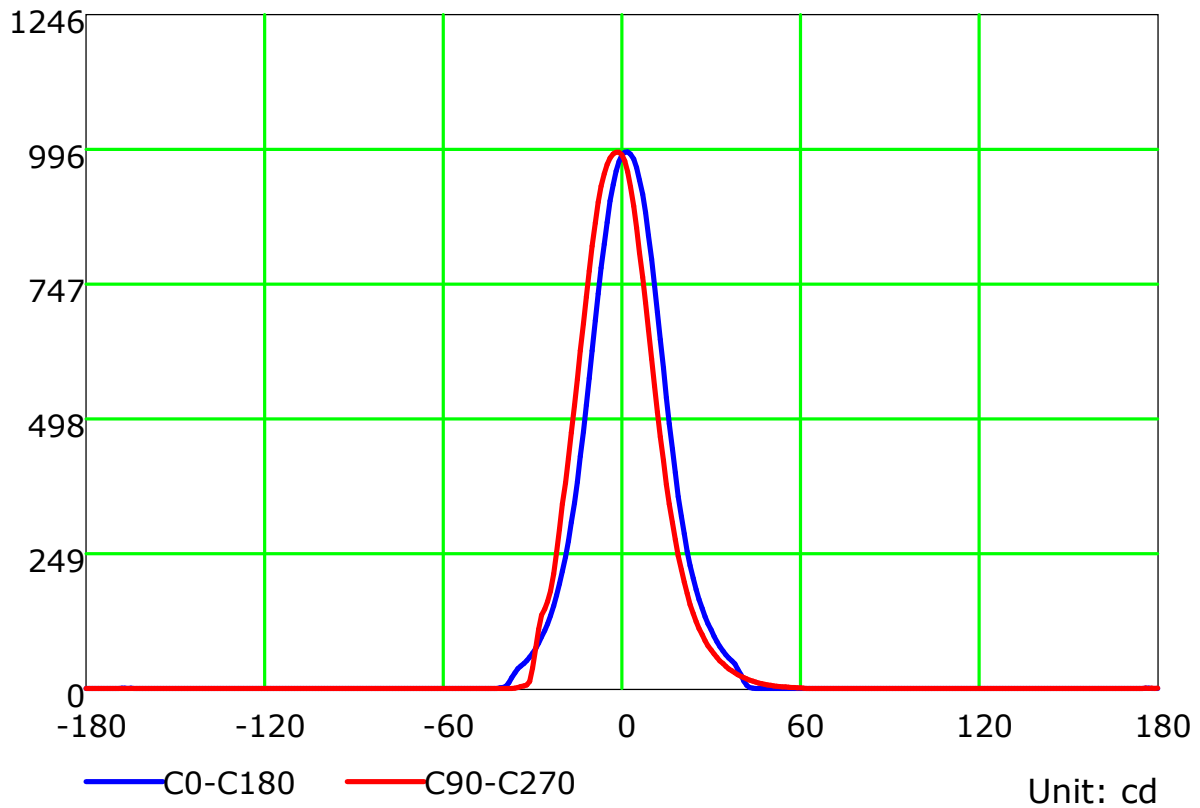
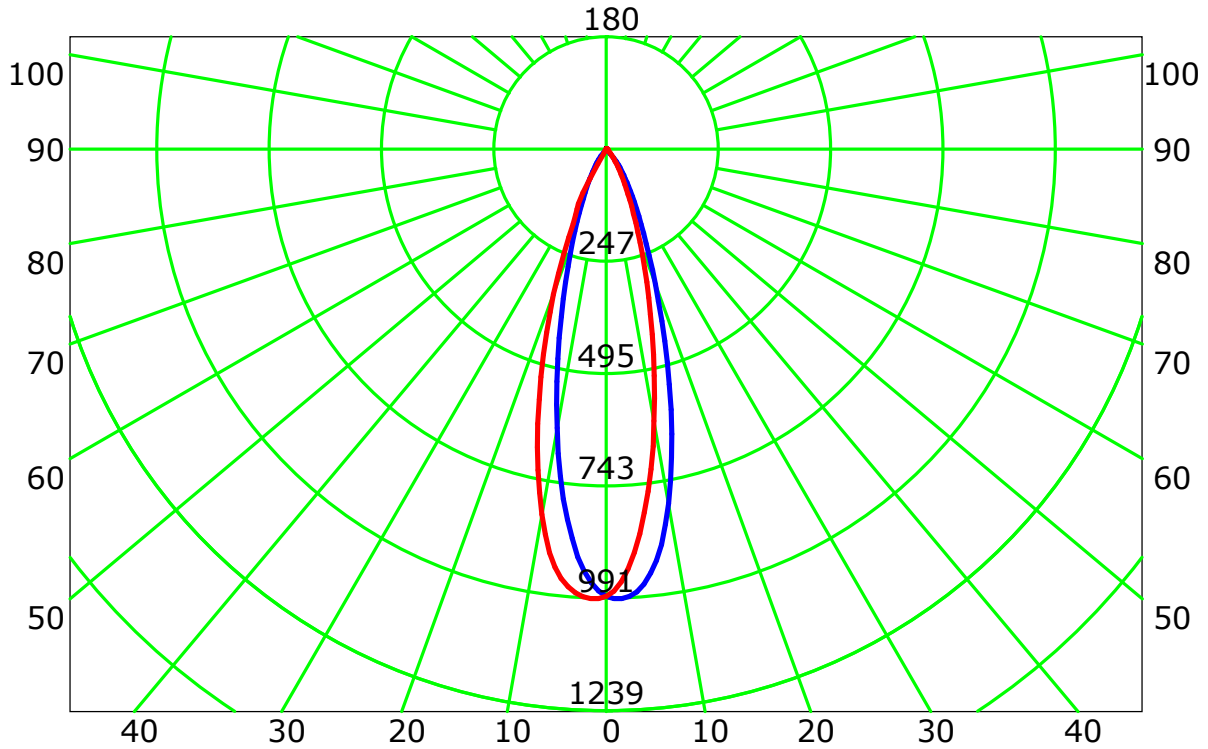
Luminous Intensity Distribution Curve



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: 11.655 m [K=1.0000]
Humidity:
Inspector:

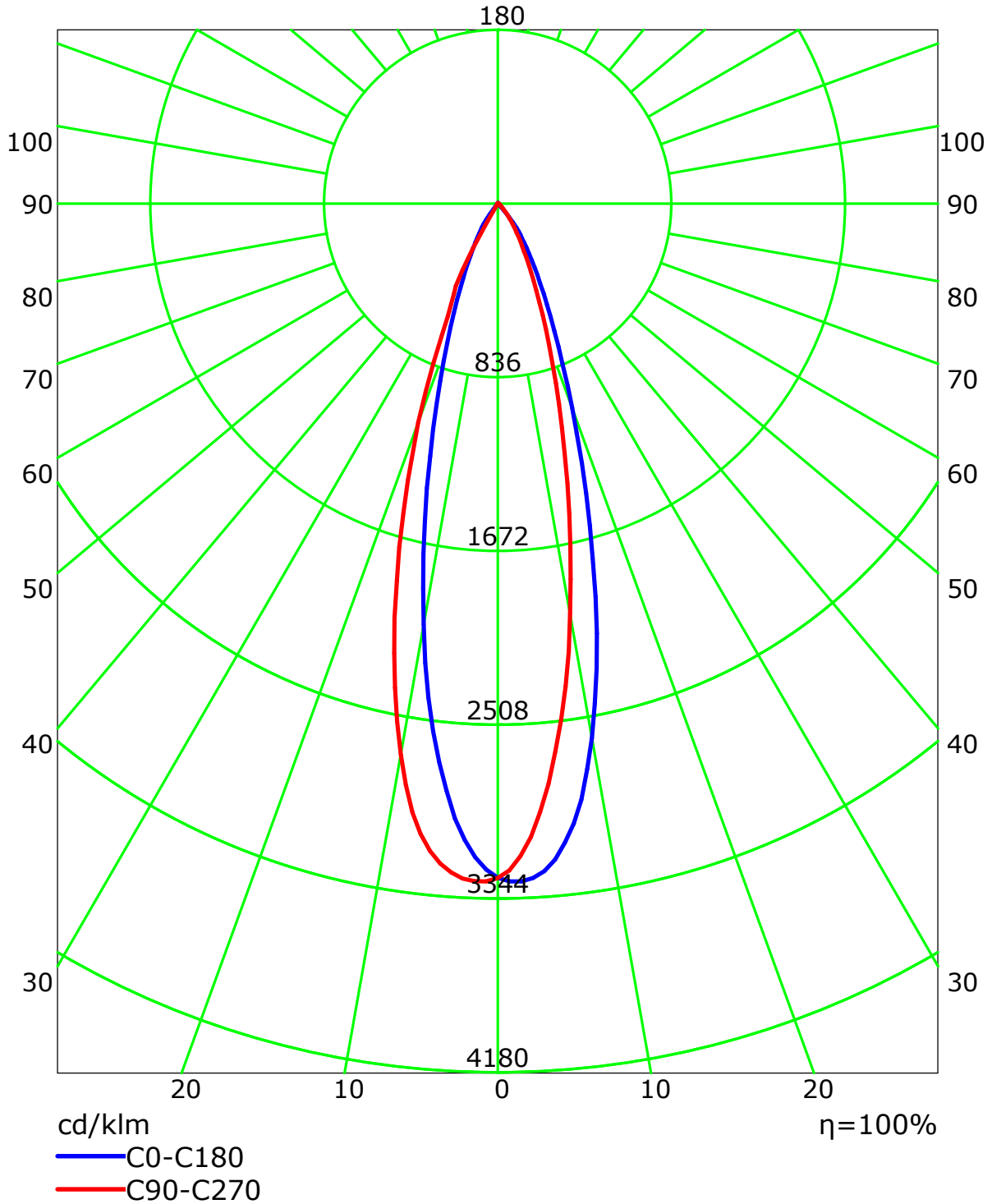
Luminous Intensity Distribution Curve



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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



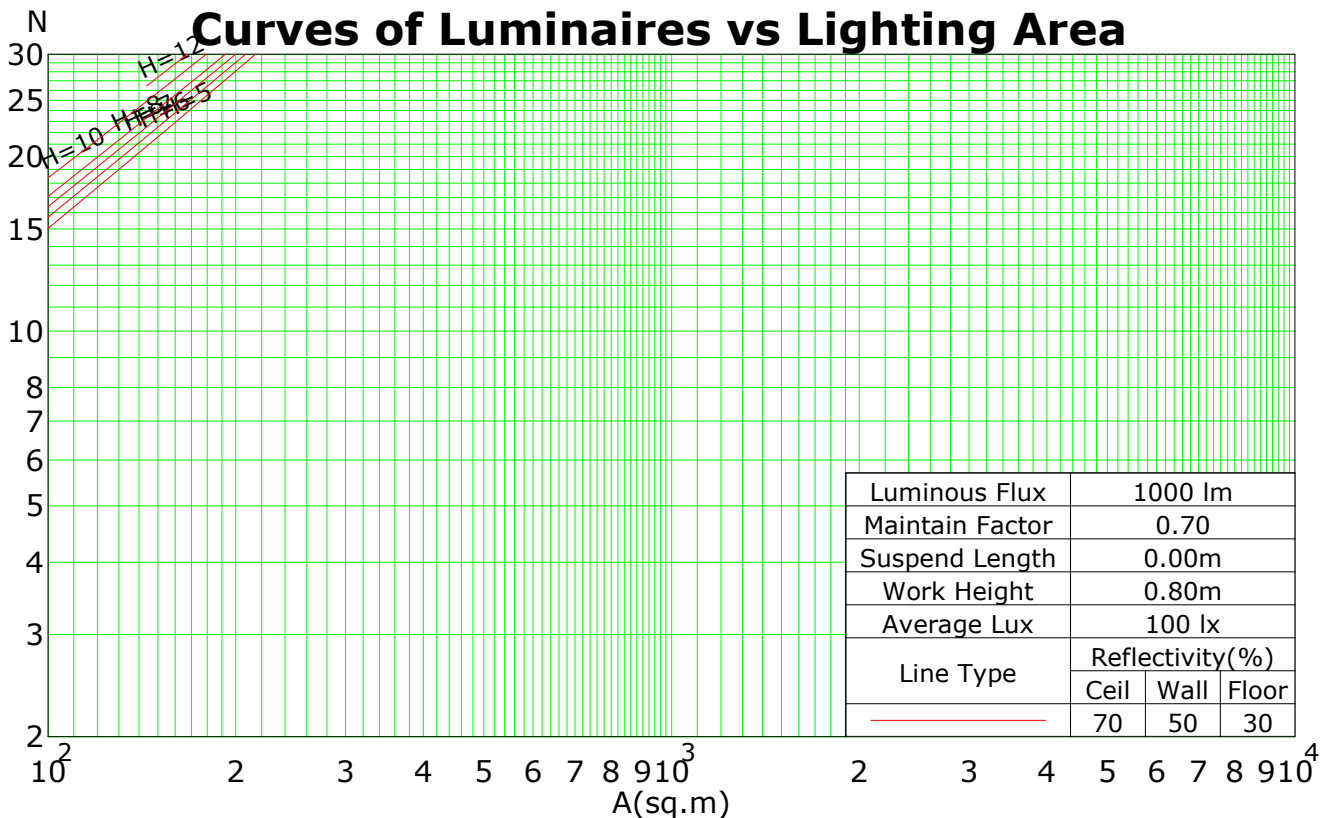
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 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 | 1.15 | 1.12 | 1.10 | 1.09 | 1.12 | 1.10 | 1.08 | 1.07 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | 0.99 | 0.98 | 0.98 | 0.96 |
| 2 | 1.10 | 1.07 | 1.03 | 1.01 | 1.08 | 1.05 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.99 | 0.97 | 0.95 | 0.96 | 0.95 | 0.93 | 0.92 |
| 3 | 1.06 | 1.01 | 0.97 | 0.94 | 1.05 | 1.00 | 0.97 | 0.94 | 0.98 | 0.95 | 0.92 | 0.95 | 0.93 | 0.91 | 0.93 | 0.91 | 0.89 | 0.88 |
| 4 | 1.03 | 0.97 | 0.92 | 0.89 | 1.01 | 0.96 | 0.92 | 0.89 | 0.94 | 0.90 | 0.88 | 0.92 | 0.89 | 0.87 | 0.90 | 0.88 | 0.86 | 0.84 |
| 5 | 0.99 | 0.93 | 0.88 | 0.85 | 0.98 | 0.92 | 0.88 | 0.84 | 0.90 | 0.86 | 0.84 | 0.89 | 0.85 | 0.83 | 0.87 | 0.84 | 0.82 | 0.81 |
| 6 | 0.96 | 0.89 | 0.84 | 0.81 | 0.94 | 0.88 | 0.84 | 0.81 | 0.87 | 0.83 | 0.80 | 0.85 | 0.82 | 0.80 | 0.84 | 0.81 | 0.79 | 0.78 |
| 7 | 0.93 | 0.85 | 0.81 | 0.78 | 0.91 | 0.85 | 0.80 | 0.77 | 0.84 | 0.80 | 0.77 | 0.83 | 0.79 | 0.77 | 0.82 | 0.79 | 0.76 | 0.75 |
| 8 | 0.90 | 0.82 | 0.78 | 0.74 | 0.88 | 0.82 | 0.77 | 0.74 | 0.81 | 0.77 | 0.74 | 0.80 | 0.76 | 0.74 | 0.79 | 0.76 | 0.73 | 0.72 |
| 9 | 0.87 | 0.79 | 0.75 | 0.72 | 0.86 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.77 | 0.74 | 0.71 | 0.77 | 0.73 | 0.71 | 0.70 |
| 10 | 0.84 | 0.77 | 0.72 | 0.69 | 0.83 | 0.76 | 0.72 | 0.69 | 0.75 | 0.72 | 0.69 | 0.75 | 0.71 | 0.69 | 0.74 | 0.71 | 0.69 | 0.68 |

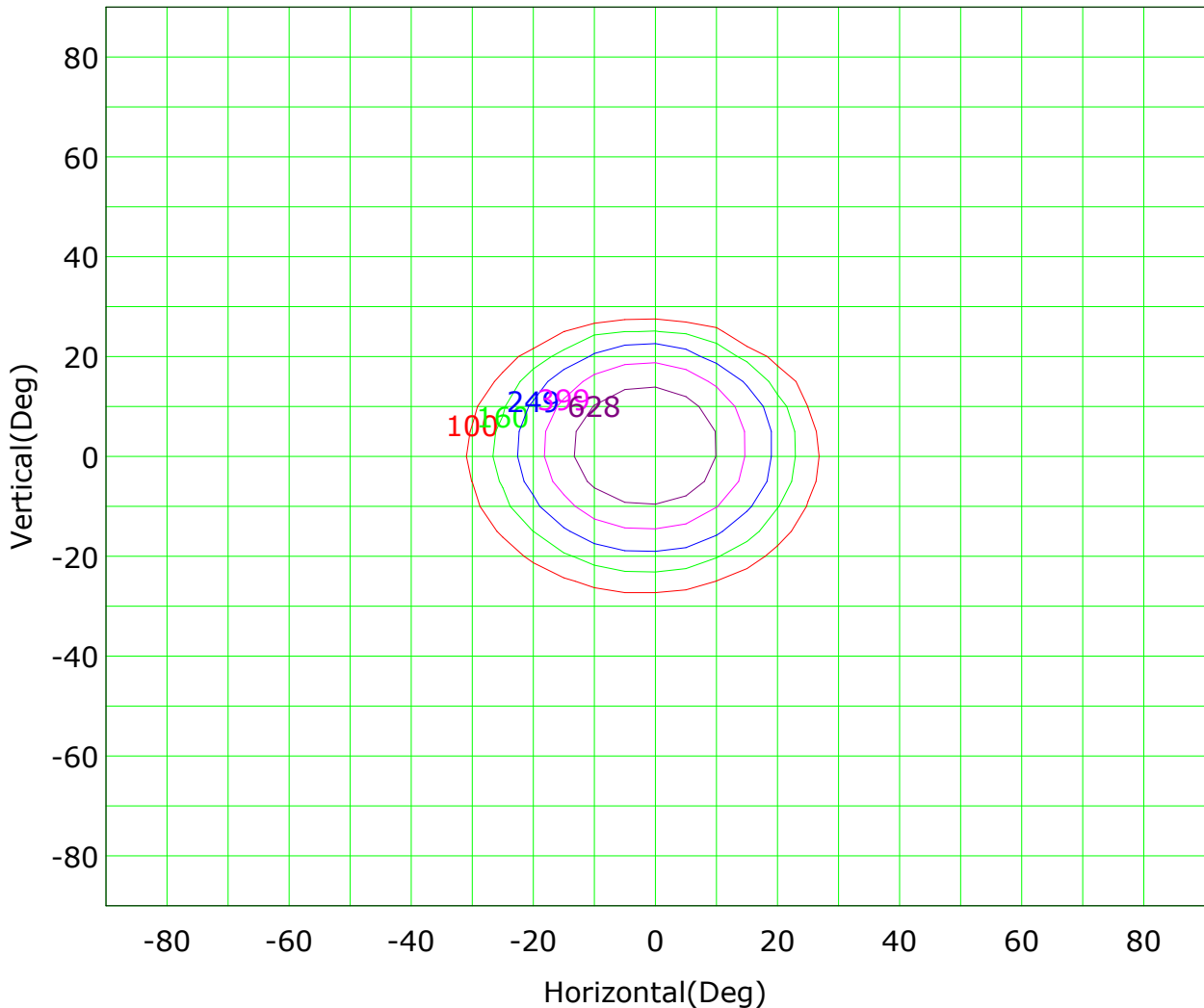
Spacing Criteria (0-180): 0.48
 Spacing Criteria (90-270): 0.49
 Spacing Criteria (Diagonal): 0.50



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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 997 cd

| | |
|------------------|------------------|
| — (10%): 100 cd | — (16%): 160 cd |
| — (25%): 249 cd | — (40%): 399 cd |
| — (63%): 628 cd | — (100%): 997 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

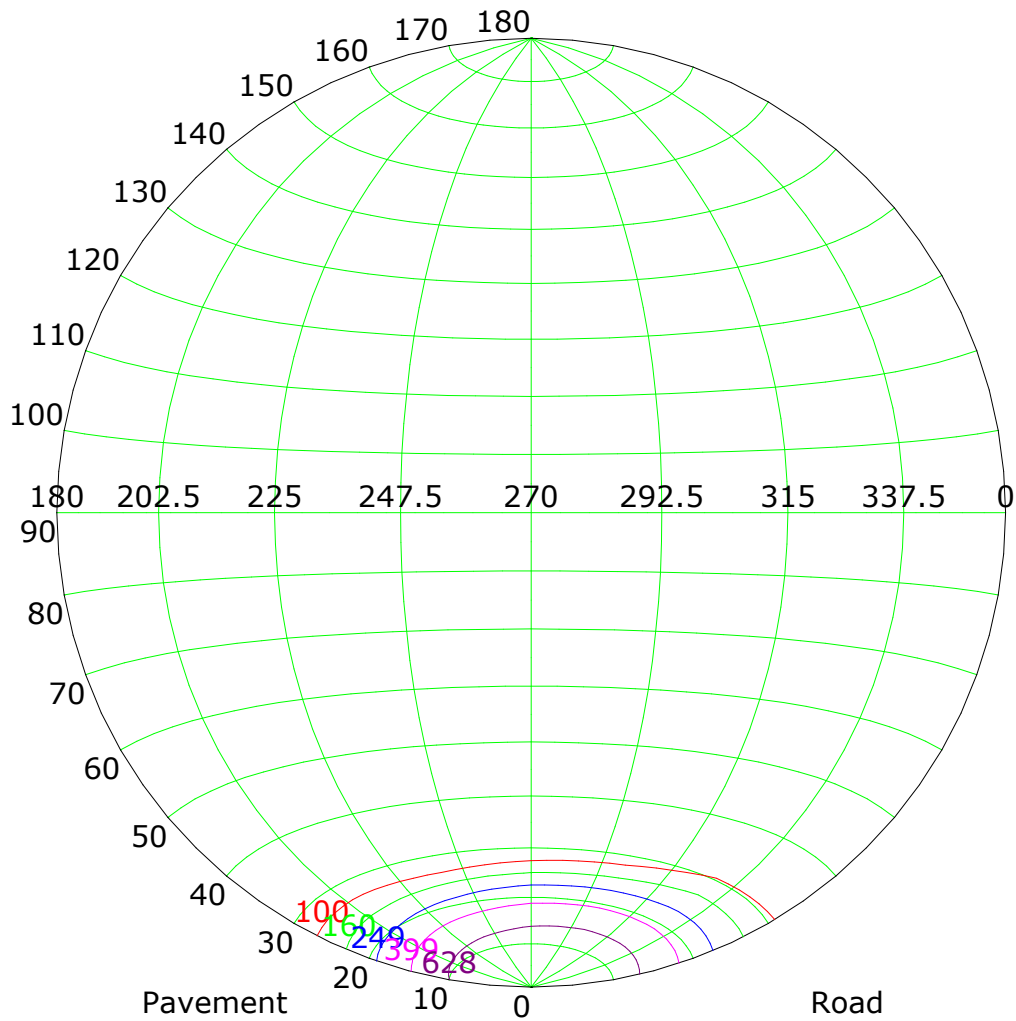
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 997 cd

| | |
|------------------|------------------|
| — (10%): 100 cd | — (16%): 160 cd |
| — (25%): 249 cd | — (40%): 399 cd |
| — (63%): 628 cd | — (100%): 997 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

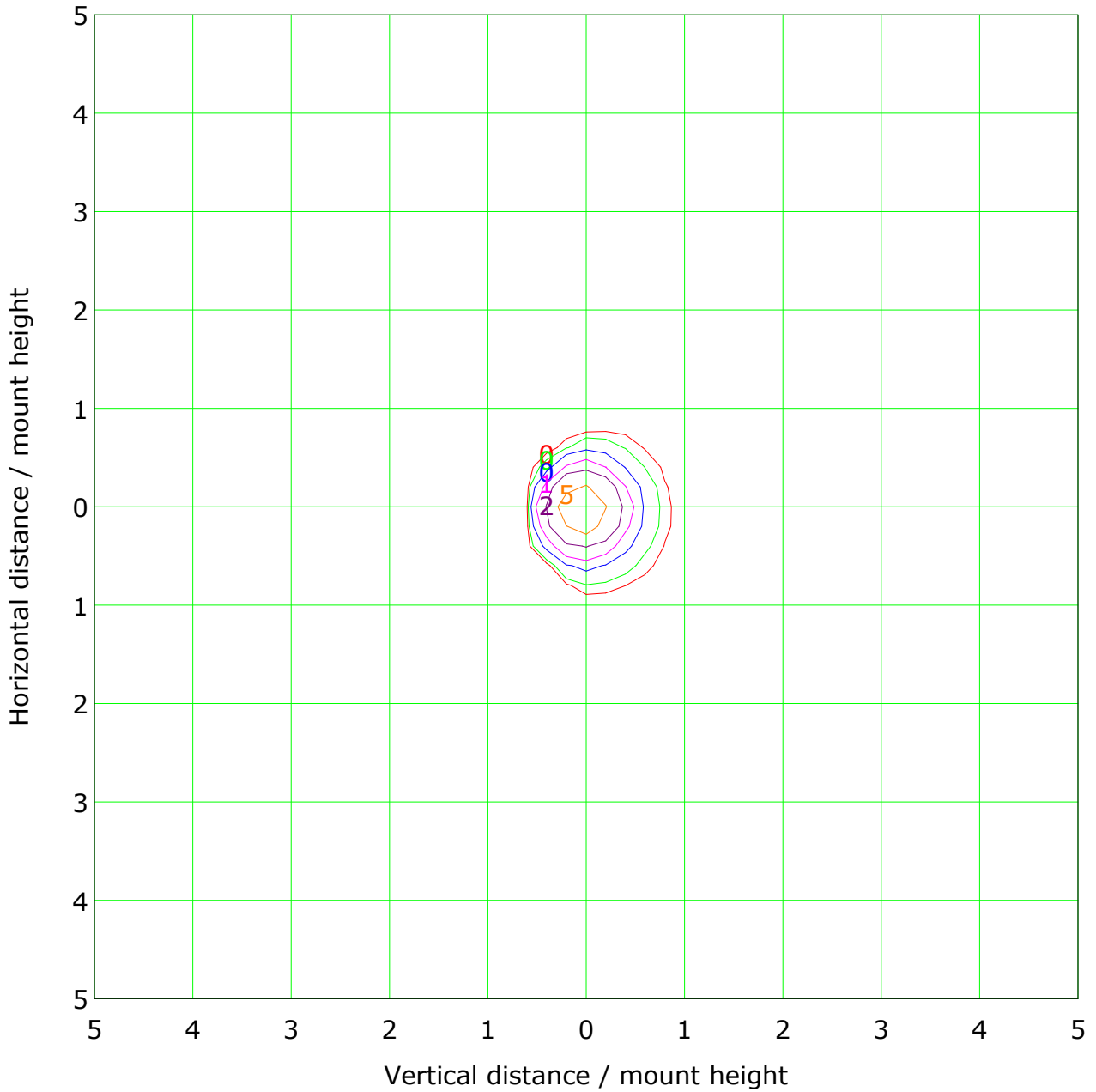
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



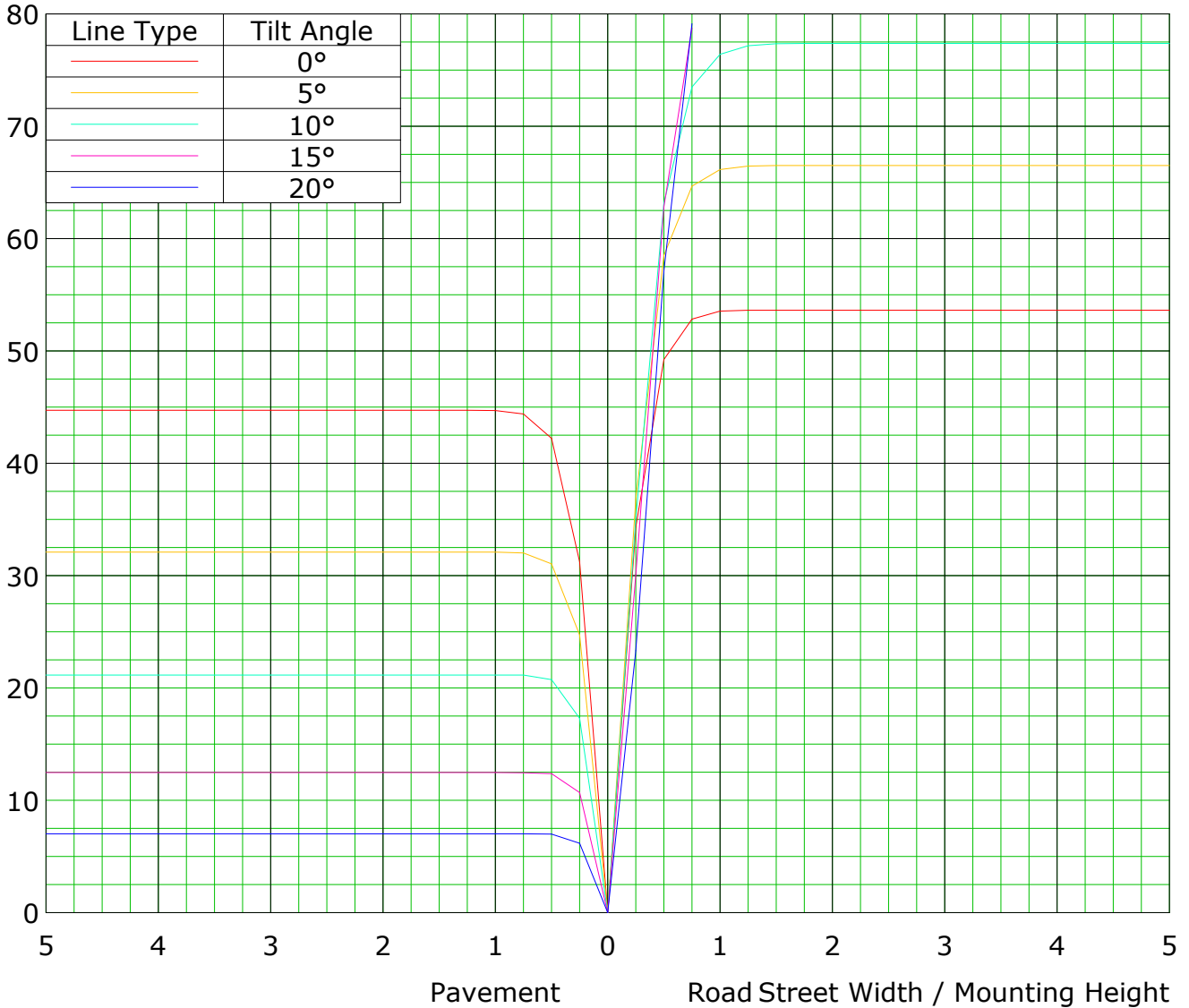
| | | | |
|--|--|------------------------|--|
| Mounting Height: 10.0m | | Max Lux(100%): 10.0 lx | |
| <ul style="list-style-type: none"> — (1%): 0.1 lx — (5%): 0.5 lx — (20%): 2.0 lx — (100%): 10.0 lx | <ul style="list-style-type: none"> — (2%): 0.2 lx — (10%): 1.0 lx — (50%): 5.0 lx | | |

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: 11.655 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: 11.655 m [K=1.0000]

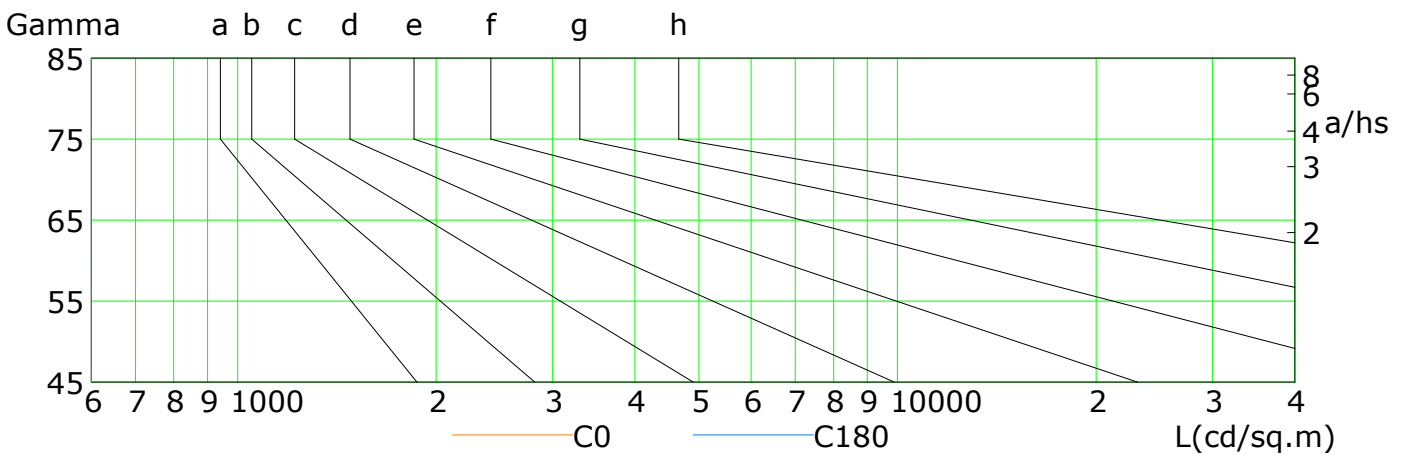
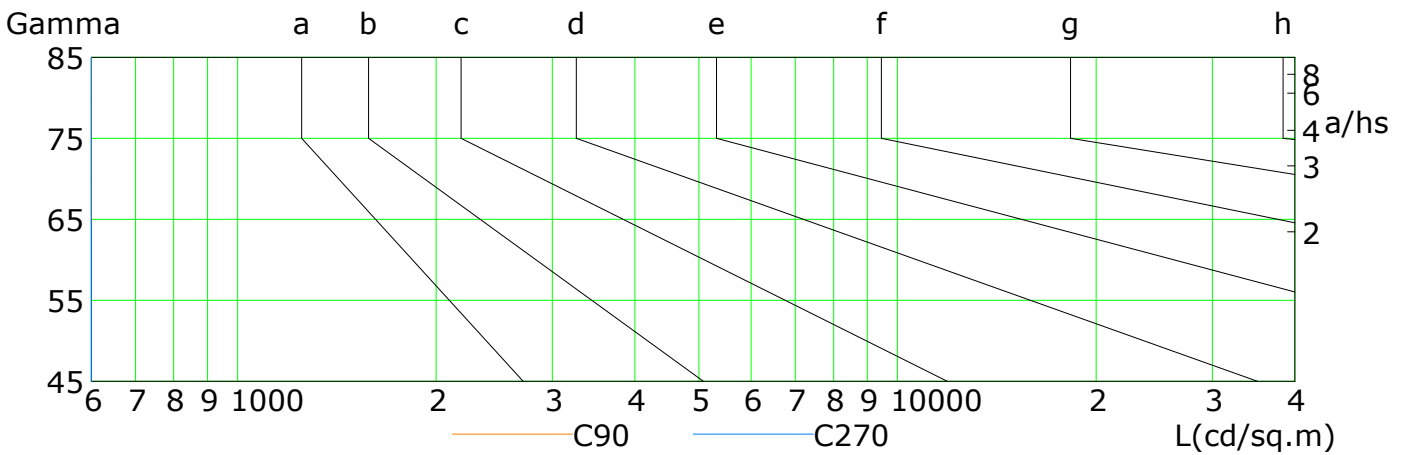
Humidity:

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 12 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| C180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C270 | 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

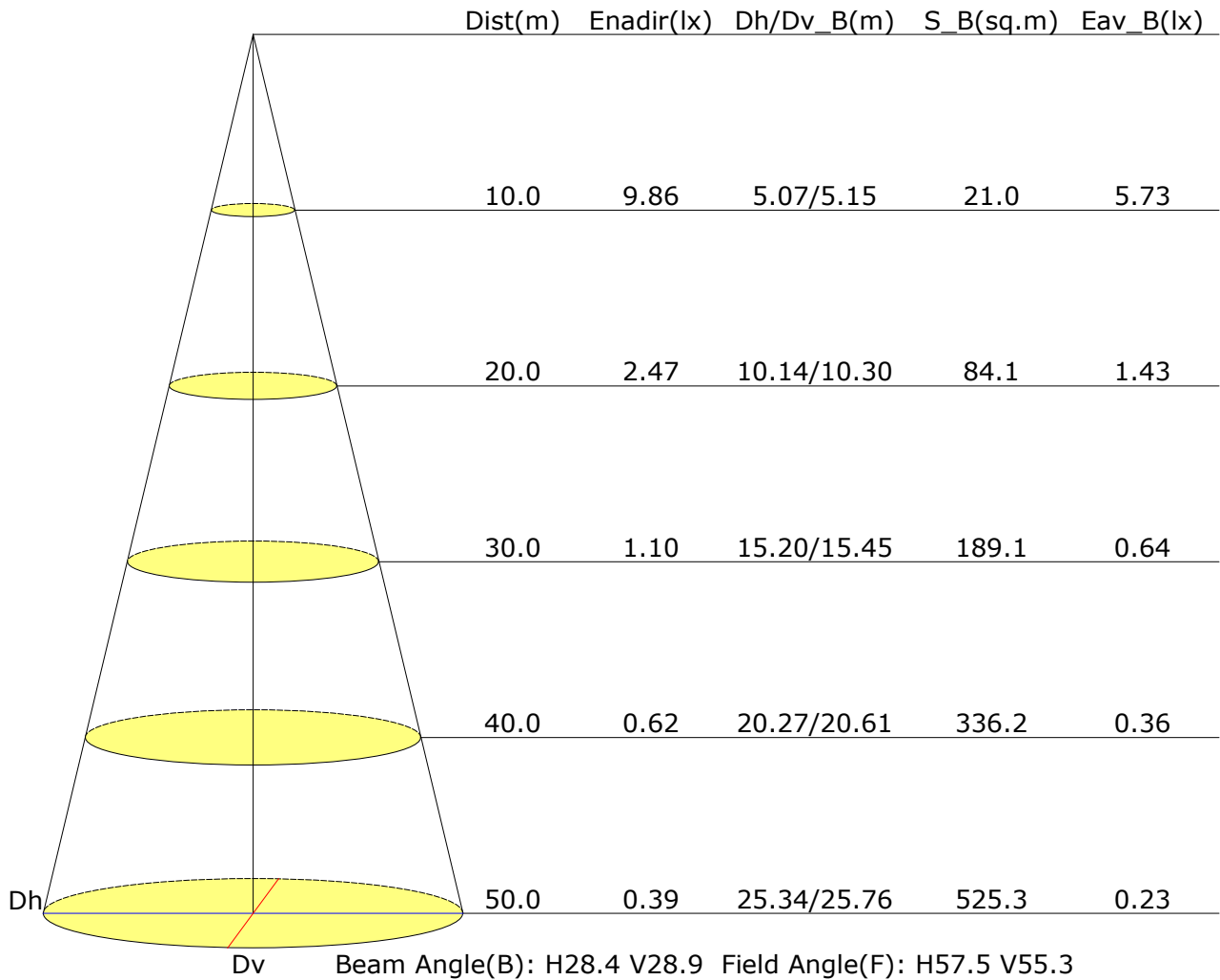
Test Device: GPM-1800B

Distance: 11.655 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

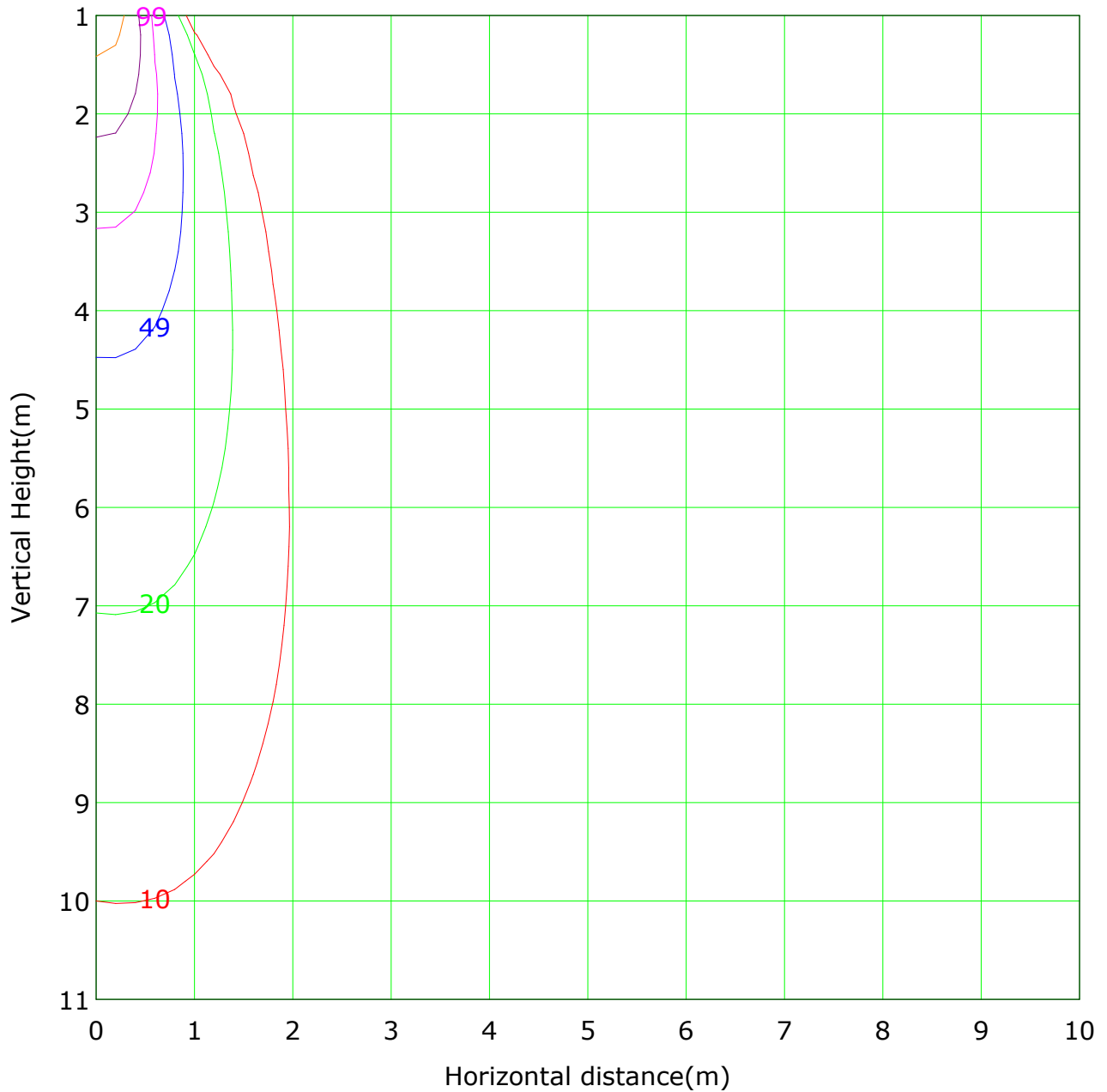
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Vertical IsoLux Plot

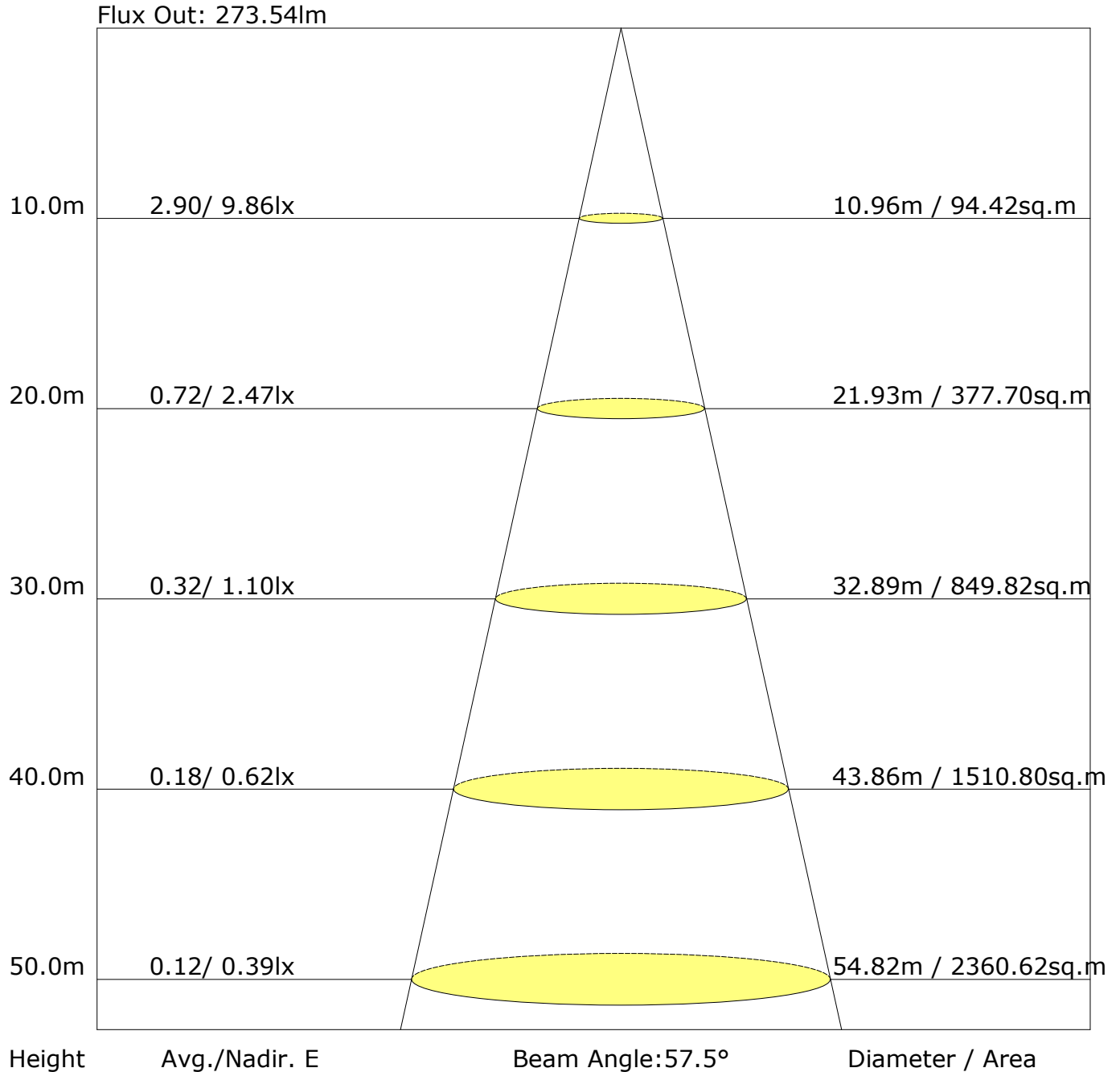


| | | |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 986.4 lx |
| — (1%): 9.9 lx | — (2%): 19.7 lx | |
| — (5%): 49.3 lx | — (10%): 98.6 lx | |
| — (20%): 197.3 lx | — (50%): 493.2 lx | |
| — (100%): 986.4 lx | | |

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: 11.655 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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

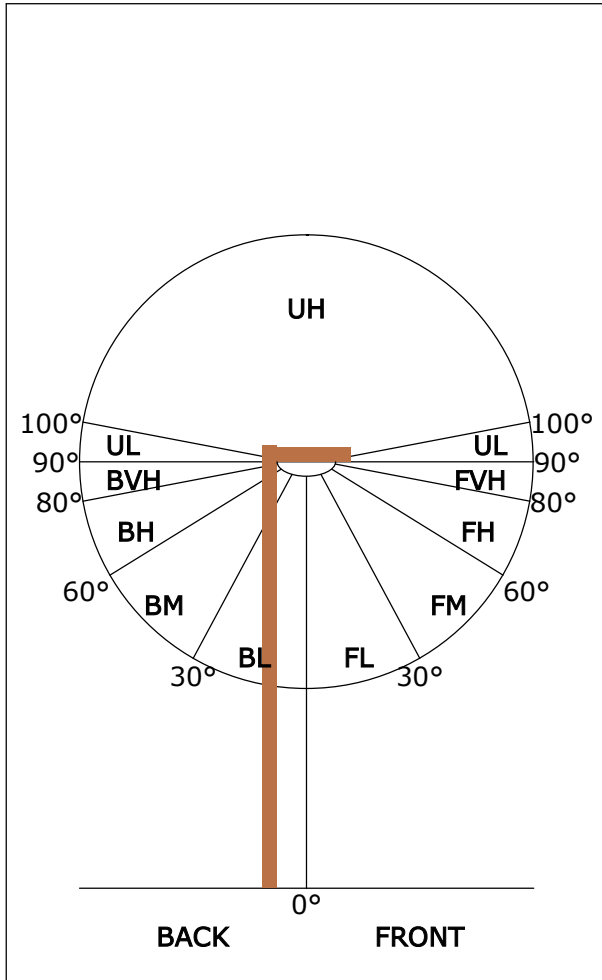
| Reflectance: | | | | | | | | | | |
|------------------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 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.\$ |
| 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.\$ |

Calculate in accordance with CIE 190:2010 The table is revised with 304lm ($8\log(F/F_0) = -4.1$).

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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



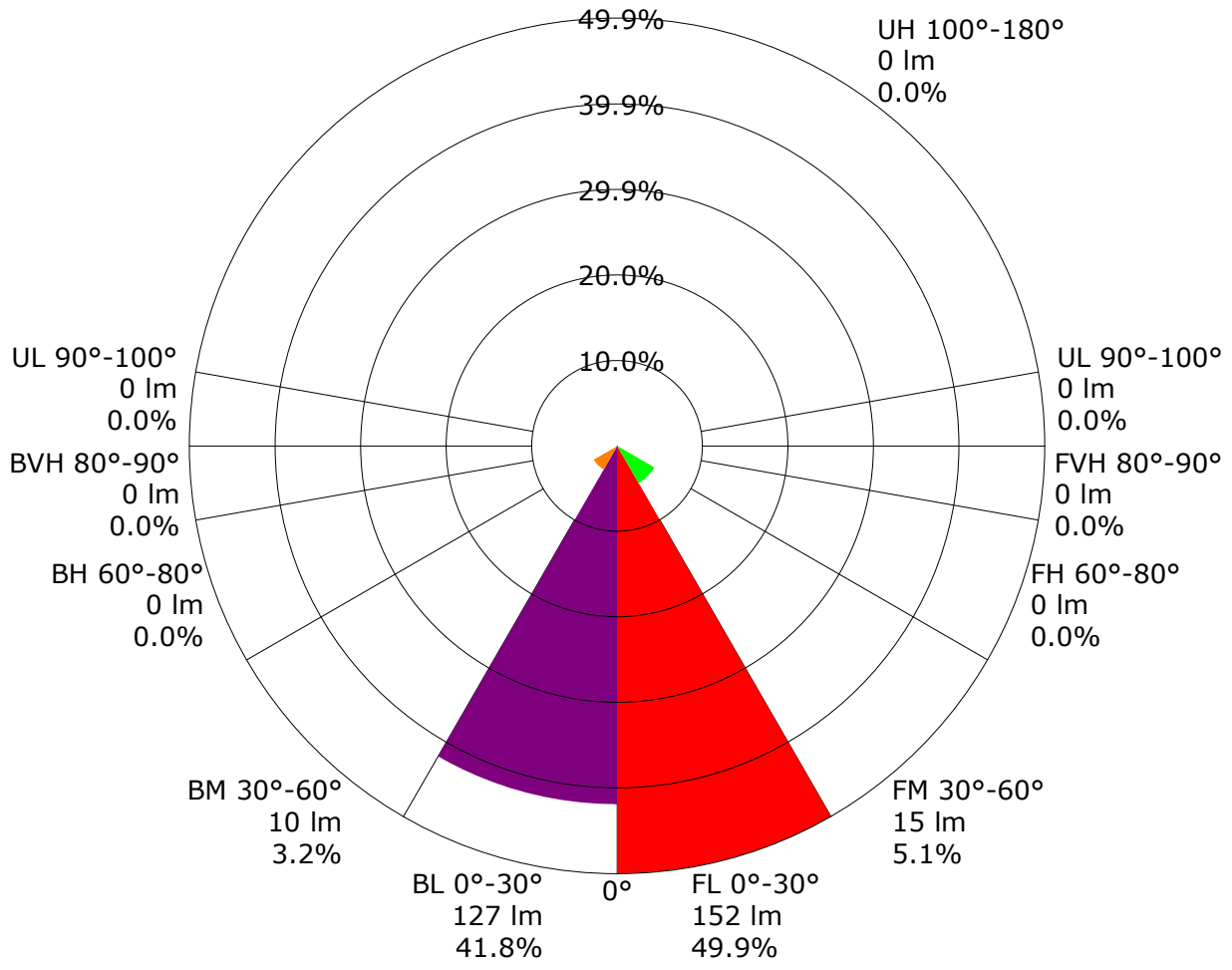
| ZONE | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT | 167 | 55.0 |
| FL (0°-30°) | 152 | 49.9 |
| FM (30°-60°) | 15 | 5.1 |
| FH (60°-80°) | 0 | 0.0 |
| FVH (80°-90°) | 0 | 0.0 |
| BACK LIGHT | 137 | 45.0 |
| BL (0°-30°) | 127 | 41.8 |
| BM (30°-60°) | 10 | 3.2 |
| BH (60°-80°) | 0 | 0.0 |
| BVH (80°-90°) | 0 | 0.0 |
| UP LIGHT | 0 | 0.0 |
| UL (90°-100°) | 0 | 0.0 |
| UH (100°-180°) | 0 | 0.0 |
| TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B1 U1 G0 |
| Quadrilateral Symmetrical Luminaire Types (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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

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: 11.655 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 | 0.97 | 1.01 | 1.04 | 1.05 | 1.08 | 1.10 | 1.11 | 1.13 | 1.14 | |
| | 0.30 | | 0.94 | 0.98 | 1.00 | 1.03 | 1.06 | 1.08 | 1.09 | 1.11 | 1.12 | |
| | 0.20 | | 0.91 | 0.95 | 0.98 | 1.00 | 1.03 | 1.06 | 1.07 | 1.09 | 1.11 | |
| 0.50 | 0.50 | 0.20 | 0.96 | 0.99 | 1.02 | 1.03 | 1.05 | 1.07 | 1.08 | 1.09 | 1.10 | |
| | 0.30 | | 0.93 | 0.97 | 0.99 | 1.01 | 1.03 | 1.05 | 1.06 | 1.08 | 1.09 | |
| | 0.20 | | 0.91 | 0.94 | 0.97 | 0.99 | 1.02 | 1.03 | 1.05 | 1.06 | 1.08 | |
| 0.30 | 0.50 | 0.20 | 0.95 | 0.98 | 1.00 | 1.01 | 1.03 | 1.04 | 1.05 | 1.05 | 1.06 | |
| | 0.30 | | 0.92 | 0.96 | 0.98 | 0.99 | 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | |
| | 0.20 | | 0.90 | 0.94 | 0.96 | 0.98 | 1.00 | 1.01 | 1.02 | 1.04 | 1.04 | |
| 0.00 | 0.00 | 0.00 | 0.89 | 0.92 | 0.94 | 0.95 | 0.97 | 0.98 | 0.98 | 0.99 | 1.00 | |
| <p>Rating:3W 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: 30.0
 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 | 0.42 | 0.34 | 0.29 | 0.25 | 0.20 | 0.17 | 0.14 | 0.11 | 0.09 |
| | 0.30 | | 0.35 | 0.29 | 0.25 | 0.22 | 0.18 | 0.15 | 0.13 | 0.10 | 0.09 |
| | 0.20 | | 0.30 | 0.25 | 0.22 | 0.20 | 0.17 | 0.14 | 0.12 | 0.10 | 0.08 |
| 0.50 | 0.50 | 0.20 | 0.39 | 0.32 | 0.27 | 0.23 | 0.18 | 0.19 | 0.13 | 0.10 | 0.08 |
| | 0.30 | | 0.33 | 0.28 | 0.24 | 0.21 | 0.17 | 0.14 | 0.12 | 0.09 | 0.08 |
| | 0.20 | | 0.29 | 0.24 | 0.21 | 0.19 | 0.15 | 0.13 | 0.11 | 0.09 | 0.07 |
| 0.30 | 0.50 | 0.20 | 0.37 | 0.29 | 0.25 | 0.21 | 0.16 | 0.14 | 0.12 | 0.09 | 0.07 |
| | 0.30 | | 0.32 | 0.26 | 0.22 | 0.19 | 0.15 | 0.13 | 0.11 | 0.08 | 0.07 |
| | 0.20 | | 0.28 | 0.23 | 0.20 | 0.18 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 |
| 0.00 | 0.00 | 0.00 | 0.13 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 |
| <p>Rating:3W 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: 30.0
 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 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.13 | 0.15 | 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 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 |
| | 0.30 | | 0.09 | 0.10 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 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 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 |
| | 0.30 | | 0.08 | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.16 | 0.18 | 0.18 |
| | 0.20 | | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 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 |
| <p>Rating:3W 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: 30.0
 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 | 985.6 | 0.9 | 0.9 | 0.31 | 0.31 |
| 1.0-2.0 | 979.4 | 2.8 | 3.8 | 0.92 | 1.23 |
| 2.0-3.0 | 967.2 | 4.6 | 8.4 | 1.52 | 2.76 |
| 3.0-4.0 | 949.4 | 6.4 | 14.7 | 2.09 | 4.85 |
| 4.0-5.0 | 925.7 | 8.0 | 22.7 | 2.62 | 7.46 |
| 5.0-6.0 | 896.4 | 9.4 | 32.1 | 3.10 | 10.56 |
| 6.0-7.0 | 863.1 | 10.7 | 42.8 | 3.52 | 14.08 |
| 7.0-8.0 | 825.9 | 11.8 | 54.7 | 3.89 | 17.97 |
| 8.0-9.0 | 783.6 | 12.7 | 67.4 | 4.18 | 22.15 |
| 9.0-10.0 | 737.3 | 13.3 | 80.7 | 4.39 | 26.54 |
| 10.0-11.0 | 689.2 | 13.8 | 94.5 | 4.53 | 31.06 |
| 11.0-12.0 | 640.0 | 14.0 | 108.5 | 4.60 | 35.66 |
| 12.0-13.0 | 590.6 | 14.0 | 122.5 | 4.61 | 40.27 |
| 13.0-14.0 | 541.7 | 13.9 | 136.4 | 4.56 | 44.83 |
| 14.0-15.0 | 492.7 | 13.5 | 149.9 | 4.45 | 49.28 |
| 15.0-16.0 | 446.2 | 13.1 | 163.0 | 4.30 | 53.58 |
| 16.0-17.0 | 403.5 | 12.6 | 175.5 | 4.13 | 57.71 |
| 17.0-18.0 | 363.1 | 12.0 | 187.5 | 3.94 | 61.65 |
| 18.0-19.0 | 325.0 | 11.3 | 198.8 | 3.72 | 65.37 |
| 19.0-20.0 | 290.6 | 10.6 | 209.4 | 3.50 | 68.86 |
| 20.0-21.0 | 259.0 | 9.9 | 219.4 | 3.27 | 72.13 |
| 21.0-22.0 | 228.9 | 9.2 | 228.6 | 3.02 | 75.16 |
| 22.0-23.0 | 201.0 | 8.4 | 237.0 | 2.77 | 77.93 |
| 23.0-24.0 | 176.1 | 7.7 | 244.7 | 2.53 | 80.46 |
| 24.0-25.0 | 155.1 | 7.1 | 251.8 | 2.32 | 82.78 |
| 25.0-26.0 | 138.1 | 6.5 | 258.3 | 2.14 | 84.93 |
| 26.0-27.0 | 123.4 | 6.0 | 264.3 | 1.99 | 86.91 |
| 27.0-28.0 | 108.8 | 5.5 | 269.9 | 1.81 | 88.73 |
| 28.0-29.0 | 93.1 | 4.9 | 274.7 | 1.60 | 90.33 |
| 29.0-30.0 | 77.4 | 4.2 | 278.9 | 1.37 | 91.70 |
| 30.0-31.0 | 63.2 | 3.5 | 282.4 | 1.16 | 92.86 |
| 31.0-32.0 | 52.0 | 3.0 | 285.4 | 0.98 | 93.84 |
| 32.0-33.0 | 43.6 | 2.6 | 288.0 | 0.85 | 94.68 |
| 33.0-34.0 | 36.8 | 2.2 | 290.2 | 0.73 | 95.42 |
| 34.0-35.0 | 31.1 | 1.9 | 292.1 | 0.64 | 96.05 |
| 35.0-36.0 | 26.6 | 1.7 | 293.8 | 0.56 | 96.61 |

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: 11.655 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 | 22.9 | 1.5 | 295.3 | 0.49 | 97.10 |
| 37.0-38.0 | 19.7 | 1.3 | 296.6 | 0.43 | 97.53 |
| 38.0-39.0 | 16.7 | 1.1 | 297.8 | 0.38 | 97.91 |
| 39.0-40.0 | 14.0 | 1.0 | 298.8 | 0.32 | 98.23 |
| 40.0-41.0 | 11.7 | 0.8 | 299.6 | 0.27 | 98.50 |
| 41.0-42.0 | 9.6 | 0.7 | 300.3 | 0.23 | 98.73 |
| 42.0-43.0 | 8.0 | 0.6 | 300.9 | 0.20 | 98.93 |
| 43.0-44.0 | 6.9 | 0.5 | 301.4 | 0.17 | 99.10 |
| 44.0-45.0 | 5.9 | 0.5 | 301.9 | 0.15 | 99.25 |
| 45.0-46.0 | 5.1 | 0.4 | 302.3 | 0.13 | 99.38 |
| 46.0-47.0 | 4.3 | 0.3 | 302.6 | 0.11 | 99.49 |
| 47.0-48.0 | 3.6 | 0.3 | 302.9 | 0.10 | 99.59 |
| 48.0-49.0 | 3.0 | 0.2 | 303.1 | 0.08 | 99.67 |
| 49.0-50.0 | 2.4 | 0.2 | 303.3 | 0.07 | 99.74 |
| 50.0-51.0 | 1.9 | 0.2 | 303.5 | 0.05 | 99.79 |
| 51.0-52.0 | 1.5 | 0.1 | 303.6 | 0.04 | 99.83 |
| 52.0-53.0 | 1.2 | 0.1 | 303.7 | 0.03 | 99.87 |
| 53.0-54.0 | 0.9 | 0.1 | 303.8 | 0.03 | 99.89 |
| 54.0-55.0 | 0.8 | 0.1 | 303.9 | 0.02 | 99.92 |
| 55.0-56.0 | 0.7 | 0.1 | 303.9 | 0.02 | 99.94 |
| 56.0-57.0 | 0.6 | 0.1 | 304.0 | 0.02 | 99.95 |
| 57.0-58.0 | 0.5 | 0.0 | 304.0 | 0.02 | 99.97 |
| 58.0-59.0 | 0.4 | 0.0 | 304.1 | 0.01 | 99.98 |
| 59.0-60.0 | 0.3 | 0.0 | 304.1 | 0.01 | 99.99 |
| 60.0-61.0 | 0.2 | 0.0 | 304.1 | 0.01 | 99.99 |
| 61.0-62.0 | 0.1 | 0.0 | 304.1 | 0.00 | 100.00 |
| 62.0-63.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 63.0-64.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 64.0-65.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 65.0-66.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 66.0-67.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 67.0-68.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 68.0-69.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 69.0-70.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 70.0-71.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 71.0-72.0 | 0.0 | 0.0 | 304.1 | 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: 11.655 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 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 73.0-74.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 74.0-75.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 75.0-76.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 76.0-77.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 77.0-78.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 78.0-79.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 79.0-80.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 80.0-81.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 81.0-82.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 82.0-83.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 83.0-84.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 84.0-85.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 85.0-86.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 86.0-87.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 87.0-88.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 88.0-89.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 89.0-90.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 90.0-91.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 91.0-92.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 92.0-93.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 93.0-94.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 94.0-95.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 95.0-96.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 96.0-97.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 97.0-98.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 98.0-99.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 99.0-100.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 100.0-101.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 101.0-102.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 102.0-103.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 103.0-104.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 104.0-105.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 105.0-106.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 106.0-107.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 107.0-108.0 | 0.0 | 0.0 | 304.1 | 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: 11.655 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 | 304.1 | 0.00 | 100.00 |
| 109.0-110.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 110.0-111.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 111.0-112.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 112.0-113.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 113.0-114.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 114.0-115.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 115.0-116.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 116.0-117.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 117.0-118.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 118.0-119.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 119.0-120.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 120.0-121.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 121.0-122.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 122.0-123.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 123.0-124.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 124.0-125.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 125.0-126.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 126.0-127.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 127.0-128.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 128.0-129.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 129.0-130.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 130.0-131.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 131.0-132.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 132.0-133.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 133.0-134.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 134.0-135.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 135.0-136.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 136.0-137.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 137.0-138.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 138.0-139.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 139.0-140.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 140.0-141.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 141.0-142.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 142.0-143.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 143.0-144.0 | 0.0 | 0.0 | 304.1 | 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: 11.655 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 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 145.0-146.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 146.0-147.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 147.0-148.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 148.0-149.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 149.0-150.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 150.0-151.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 151.0-152.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 152.0-153.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 153.0-154.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 154.0-155.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 155.0-156.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 156.0-157.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 157.0-158.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 158.0-159.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 159.0-160.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 160.0-161.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 161.0-162.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 162.0-163.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 163.0-164.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 164.0-165.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 165.0-166.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 166.0-167.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 167.0-168.0 | 0.1 | 0.0 | 304.1 | 0.00 | 100.00 |
| 168.0-169.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 169.0-170.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 170.0-171.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 171.0-172.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 172.0-173.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 173.0-174.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 174.0-175.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 175.0-176.0 | 0.1 | 0.0 | 304.1 | 0.00 | 100.00 |
| 176.0-177.0 | 0.2 | 0.0 | 304.1 | 0.00 | 100.00 |
| 177.0-178.0 | 0.1 | 0.0 | 304.1 | 0.00 | 100.00 |
| 178.0-179.0 | 0.0 | 0.0 | 304.1 | 0.00 | 100.00 |
| 179.0-180.0 | 0.0 | 0.0 | 304.1 | 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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 301.86 lm

%lum = 99.2%

%lamp = 99.2%

cone flux(120°): 304.11 lm

%lum = 100.0%

%lamp = 100.0%

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: 11.655 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 | 986.4 | 986.4 | 986.7 | 987.0 | 987.2 | 988.6 | 986.4 | 986.4 | 986.7 | 987.0 |
| G1.0 | 992.1 | 986.5 | 980.7 | 975.9 | 974.2 | 976.1 | 974.6 | 981.0 | 987.0 | 991.9 |
| G2.0 | 992.5 | 981.5 | 966.9 | 955.5 | 951.6 | 954.3 | 956.9 | 968.3 | 983.2 | 992.1 |
| G3.0 | 988.4 | 968.8 | 945.3 | 928.2 | 921.3 | 926.0 | 932.2 | 951.5 | 975.0 | 989.1 |
| G4.0 | 979.3 | 950.3 | 916.5 | 892.3 | 884.6 | 891.1 | 902.1 | 929.3 | 961.3 | 981.3 |
| G5.0 | 963.7 | 925.2 | 878.3 | 852.3 | 842.1 | 850.0 | 862.5 | 900.6 | 940.4 | 969.5 |
| G6.0 | 940.6 | 894.6 | 839.8 | 805.9 | 793.0 | 805.3 | 821.7 | 863.7 | 915.7 | 952.5 |
| G7.0 | 914.1 | 859.0 | 799.1 | 761.0 | 748.0 | 760.1 | 778.0 | 825.0 | 884.7 | 929.2 |
| G8.0 | 880.7 | 818.8 | 755.7 | 713.5 | 700.1 | 706.7 | 730.1 | 782.4 | 848.4 | 899.6 |
| G9.0 | 837.8 | 771.8 | 704.3 | 664.0 | 645.5 | 657.5 | 680.4 | 736.8 | 805.6 | 861.1 |
| G10.0 | 794.3 | 725.8 | 655.4 | 609.3 | 595.8 | 606.9 | 625.0 | 687.6 | 761.2 | 818.7 |
| G11.0 | 745.6 | 677.0 | 606.1 | 559.9 | 546.2 | 556.2 | 574.0 | 637.6 | 713.8 | 772.2 |
| G12.0 | 696.0 | 627.0 | 556.3 | 511.5 | 497.8 | 502.9 | 524.5 | 582.7 | 664.8 | 724.1 |
| G13.0 | 645.5 | 577.0 | 507.7 | 465.9 | 452.3 | 455.3 | 475.1 | 532.3 | 614.0 | 675.3 |
| G14.0 | 592.7 | 528.0 | 461.7 | 421.9 | 408.1 | 410.6 | 429.7 | 484.5 | 563.6 | 625.0 |
| G15.0 | 537.6 | 475.9 | 413.0 | 377.7 | 363.6 | 369.4 | 382.3 | 438.4 | 509.9 | 572.2 |
| G16.0 | 489.8 | 431.0 | 372.9 | 341.3 | 327.7 | 327.9 | 343.3 | 390.3 | 463.6 | 523.5 |
| G17.0 | 443.0 | 388.3 | 335.9 | 307.0 | 294.5 | 296.9 | 307.3 | 350.3 | 417.3 | 473.4 |
| G18.0 | 399.2 | 346.0 | 302.7 | 275.9 | 264.9 | 263.4 | 272.8 | 314.9 | 372.2 | 425.9 |
| G19.0 | 355.1 | 311.6 | 269.2 | 245.6 | 236.2 | 236.5 | 243.8 | 278.7 | 333.8 | 380.3 |
| G20.0 | 318.5 | 280.9 | 241.8 | 219.9 | 211.8 | 211.9 | 216.9 | 251.5 | 293.1 | 341.3 |
| G21.0 | 285.9 | 252.6 | 217.1 | 196.8 | 189.7 | 187.2 | 193.9 | 222.9 | 250.4 | 294.3 |
| G22.0 | 253.5 | 224.5 | 194.8 | 176.0 | 167.9 | 167.2 | 172.3 | 196.6 | 210.5 | 252.1 |
| G23.0 | 227.5 | 201.4 | 172.7 | 155.4 | 150.3 | 148.8 | 153.0 | 170.4 | 179.7 | 212.4 |
| G24.0 | 203.9 | 180.5 | 154.9 | 138.9 | 134.4 | 131.6 | 134.8 | 143.8 | 154.6 | 180.5 |
| G25.0 | 183.2 | 160.1 | 139.0 | 124.1 | 120.1 | 117.4 | 120.1 | 124.4 | 140.0 | 161.4 |
| G26.0 | 164.7 | 143.4 | 124.8 | 111.1 | 107.8 | 104.7 | 107.3 | 108.3 | 126.4 | 147.3 |
| G27.0 | 148.3 | 130.2 | 112.3 | 99.5 | 96.5 | 93.7 | 95.7 | 97.1 | 105.7 | 135.6 |
| G28.0 | 132.7 | 116.1 | 100.2 | 88.6 | 85.7 | 84.0 | 84.2 | 87.0 | 71.8 | 109.9 |
| G29.0 | 120.0 | 105.2 | 90.2 | 79.2 | 77.1 | 74.4 | 74.3 | 79.1 | 35.9 | 75.6 |
| G30.0 | 108.3 | 94.0 | 81.5 | 71.3 | 69.4 | 66.8 | 65.4 | 62.3 | 14.2 | 38.1 |
| G31.0 | 96.6 | 85.0 | 72.9 | 64.3 | 62.2 | 59.8 | 58.3 | 41.2 | 7.5 | 13.6 |
| G32.0 | 86.8 | 76.9 | 66.1 | 57.5 | 55.5 | 53.0 | 51.8 | 20.5 | 5.5 | 6.9 |
| G33.0 | 77.7 | 70.0 | 59.7 | 51.5 | 49.9 | 47.4 | 46.5 | 8.3 | 4.0 | 4.9 |
| G34.0 | 69.6 | 62.8 | 54.0 | 46.3 | 45.0 | 42.5 | 41.6 | 4.3 | 2.6 | 3.6 |
| G35.0 | 62.3 | 56.6 | 48.2 | 40.9 | 39.9 | 38.0 | 36.8 | 3.0 | 1.3 | 2.3 |
| G36.0 | 56.4 | 51.2 | 43.6 | 36.7 | 35.8 | 33.8 | 29.1 | 2.2 | 0.0 | 1.1 |

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: 11.655 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 | 50.9 | 46.3 | 39.3 | 32.7 | 31.8 | 29.6 | 20.1 | 1.4 | 0.0 | 0.0 |
| G38.0 | 45.6 | 41.2 | 35.5 | 29.1 | 28.3 | 26.1 | 10.8 | 0.0 | 0.0 | 0.0 |
| G39.0 | 36.0 | 37.0 | 31.7 | 26.0 | 25.1 | 22.7 | 4.4 | 0.0 | 0.0 | 0.0 |
| G40.0 | 25.5 | 33.2 | 28.5 | 23.0 | 22.3 | 19.5 | 2.1 | 0.0 | 0.0 | 0.0 |
| G41.0 | 14.1 | 29.5 | 25.4 | 20.3 | 19.7 | 16.6 | 1.3 | 0.0 | 0.0 | 0.0 |
| G42.0 | 6.0 | 25.7 | 22.7 | 17.8 | 17.4 | 14.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| G43.0 | 2.3 | 22.5 | 20.3 | 15.8 | 15.1 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| G44.0 | 1.2 | 19.9 | 18.0 | 13.6 | 13.2 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| G45.0 | 0.0 | 17.3 | 15.9 | 12.0 | 11.4 | 8.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| G46.0 | 0.0 | 14.9 | 14.0 | 10.5 | 10.0 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| G47.0 | 0.0 | 13.1 | 12.2 | 9.0 | 8.3 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| G48.0 | 0.0 | 11.4 | 10.6 | 7.9 | 7.2 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| G49.0 | 0.0 | 9.1 | 9.3 | 6.9 | 6.1 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| G50.0 | 0.0 | 6.1 | 8.0 | 6.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G51.0 | 0.0 | 3.8 | 6.9 | 5.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G52.0 | 0.0 | 1.9 | 5.9 | 4.4 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G53.0 | 0.0 | 0.0 | 5.1 | 3.8 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G54.0 | 0.0 | 0.0 | 4.3 | 3.4 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G55.0 | 0.0 | 0.0 | 3.4 | 3.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G56.0 | 0.0 | 0.0 | 2.9 | 2.5 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G57.0 | 0.0 | 0.0 | 2.5 | 2.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G58.0 | 0.0 | 0.0 | 2.1 | 1.9 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G59.0 | 0.0 | 0.0 | 1.8 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G60.0 | 0.0 | 0.0 | 1.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G61.0 | 0.0 | 0.0 | 1.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G62.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G63.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G65.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G66.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G67.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G68.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G69.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G71.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G72.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G73.0 | 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: 11.655 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G75.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G76.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G77.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G78.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G79.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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: 11.655 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 | 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 | 0.0 |
| G121.0 | 0.0 | 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 | 0.0 |
| G123.0 | 0.0 | 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 | 0.0 |
| G125.0 | 0.0 | 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 | 0.0 |
| G127.0 | 0.0 | 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 | 0.0 |
| G129.0 | 0.0 | 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 | 0.0 |
| G131.0 | 0.0 | 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 | 0.0 |
| G133.0 | 0.0 | 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 | 0.0 |
| G135.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G136.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G137.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G138.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G139.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G140.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G141.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G142.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G143.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G144.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G145.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G146.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G147.0 | 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: 11.655 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G149.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G150.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G151.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G152.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G153.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G154.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G155.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G156.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G157.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G158.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G159.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G160.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G161.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G162.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G163.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G164.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G165.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 |
| G166.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G167.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| G168.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| G169.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G170.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G171.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G172.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G174.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G175.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G176.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| G177.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G178.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G179.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G180.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
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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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | |
|-------|--------|--------|--------|--|--|--|--|--|--|
| G0.0 | 987.2 | 988.6 | 986.4 | | | | | | |
| G1.0 | 995.2 | 994.8 | 992.1 | | | | | | |
| G2.0 | 996.9 | 996.6 | 992.5 | | | | | | |
| G3.0 | 995.4 | 995.1 | 988.4 | | | | | | |
| G4.0 | 991.3 | 989.4 | 979.3 | | | | | | |
| G5.0 | 982.3 | 980.1 | 963.7 | | | | | | |
| G6.0 | 968.8 | 964.5 | 940.6 | | | | | | |
| G7.0 | 949.1 | 942.4 | 914.1 | | | | | | |
| G8.0 | 922.0 | 915.1 | 880.7 | | | | | | |
| G9.0 | 889.4 | 878.2 | 837.8 | | | | | | |
| G10.0 | 845.8 | 836.3 | 794.3 | | | | | | |
| G11.0 | 800.2 | 790.0 | 745.6 | | | | | | |
| G12.0 | 752.3 | 741.7 | 696.0 | | | | | | |
| G13.0 | 701.6 | 690.6 | 645.5 | | | | | | |
| G14.0 | 648.1 | 633.6 | 592.7 | | | | | | |
| G15.0 | 596.4 | 581.6 | 537.6 | | | | | | |
| G16.0 | 547.7 | 532.3 | 489.8 | | | | | | |
| G17.0 | 497.9 | 482.2 | 443.0 | | | | | | |
| G18.0 | 450.3 | 431.6 | 399.2 | | | | | | |
| G19.0 | 400.9 | 387.9 | 355.1 | | | | | | |
| G20.0 | 358.9 | 347.5 | 318.5 | | | | | | |
| G21.0 | 321.2 | 311.0 | 285.9 | | | | | | |
| G22.0 | 276.9 | 278.5 | 253.5 | | | | | | |
| G23.0 | 233.7 | 247.9 | 227.5 | | | | | | |
| G24.0 | 195.8 | 219.3 | 203.9 | | | | | | |
| G25.0 | 170.6 | 190.0 | 183.2 | | | | | | |
| G26.0 | 153.6 | 164.6 | 164.7 | | | | | | |
| G27.0 | 140.6 | 143.6 | 148.3 | | | | | | |
| G28.0 | 124.2 | 128.7 | 132.7 | | | | | | |
| G29.0 | 95.2 | 115.3 | 120.0 | | | | | | |
| G30.0 | 57.7 | 105.9 | 108.3 | | | | | | |
| G31.0 | 25.3 | 94.9 | 96.6 | | | | | | |
| G32.0 | 9.9 | 77.2 | 86.8 | | | | | | |
| G33.0 | 5.9 | 53.6 | 77.7 | | | | | | |
| G34.0 | 4.0 | 27.8 | 69.6 | | | | | | |
| G35.0 | 2.8 | 10.8 | 62.3 | | | | | | |
| G36.0 | 1.6 | 4.2 | 56.4 | | | | | | |

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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G37.0 | 0.0 | 2.3 | 50.9 | | | | | | | |
| G38.0 | 0.0 | 1.5 | 45.6 | | | | | | | |
| G39.0 | 0.0 | 0.0 | 36.0 | | | | | | | |
| G40.0 | 0.0 | 0.0 | 25.5 | | | | | | | |
| G41.0 | 0.0 | 0.0 | 14.1 | | | | | | | |
| G42.0 | 0.0 | 0.0 | 6.0 | | | | | | | |
| G43.0 | 0.0 | 0.0 | 2.3 | | | | | | | |
| G44.0 | 0.0 | 0.0 | 1.2 | | | | | | | |
| G45.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G46.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G47.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G48.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G49.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G50.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G51.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G52.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G53.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G54.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G55.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G56.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G57.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G58.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G59.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G60.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G61.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G62.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G63.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G64.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G65.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G66.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G67.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G68.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G69.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G70.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G71.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G72.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G73.0 | 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: 11.655 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G74.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G75.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G76.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G77.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G78.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G79.0 | 0.0 | 0.0 | 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: 11.655 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 | 0.0 | | | | | | | |
| G121.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G122.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G123.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G124.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G125.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G126.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G127.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G128.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G129.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G130.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G131.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G132.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G133.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G134.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G135.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G136.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G137.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G138.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G139.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G140.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G141.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G142.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G143.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G144.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G145.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G146.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G147.0 | 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: 11.655 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G148.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G149.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G150.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G151.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G152.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G153.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G154.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G155.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G156.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G157.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G158.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G159.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G160.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G161.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G162.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G163.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G164.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G165.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G166.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G167.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G168.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G169.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G170.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G171.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G172.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G173.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G174.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G175.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G176.0 | 0.0 | 0.0 | 0.9 | | | | | | | |
| G177.0 | 0.0 | 0.0 | 0.9 | | | | | | | |
| G178.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G179.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G180.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
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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: 11.655 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: 30.0
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: