

Report No.:

Test Time: 2022-02-25 09:43

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 28

Current: 0.261 A

Power Factor: 0.446

Voltage: 229.9 V

Power: 26.79 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1962.1 lm

Downward Ratio: 99%

Field Angle: H55.6 V54.5

Luminaire Efficacy Rating (LER): 73

Max. Intensity: 5743.23 cd

Total Rated Lamp Lumens: 1962.1 lm

Efficiency: 100%

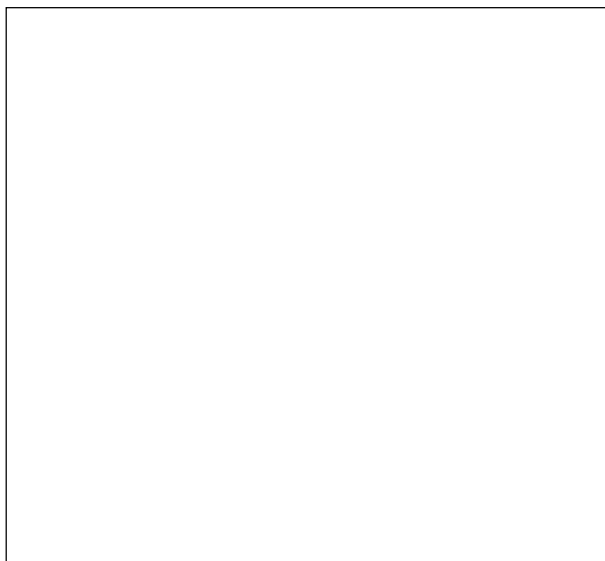
Upward Ratio: 1%

Beam Angle: H29.1 V28.8

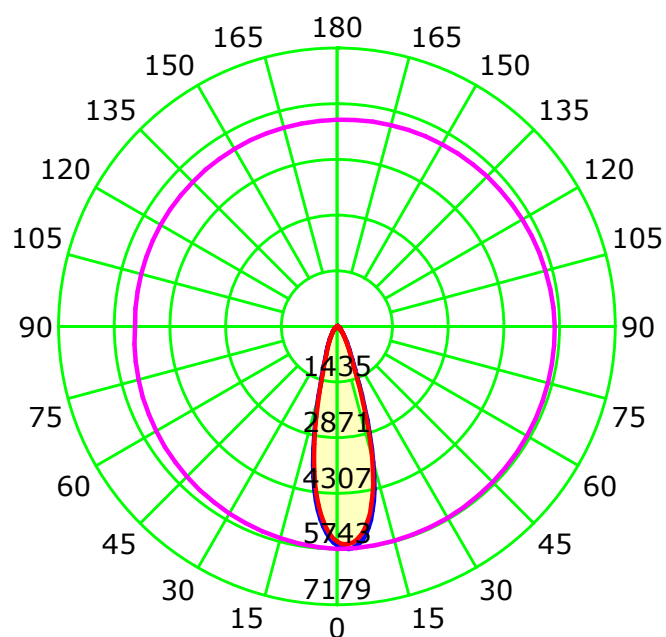
Central Intensity: 5642.06 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 29.0° Unit: cd

— C0-C180 — C90-C270 — G3

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

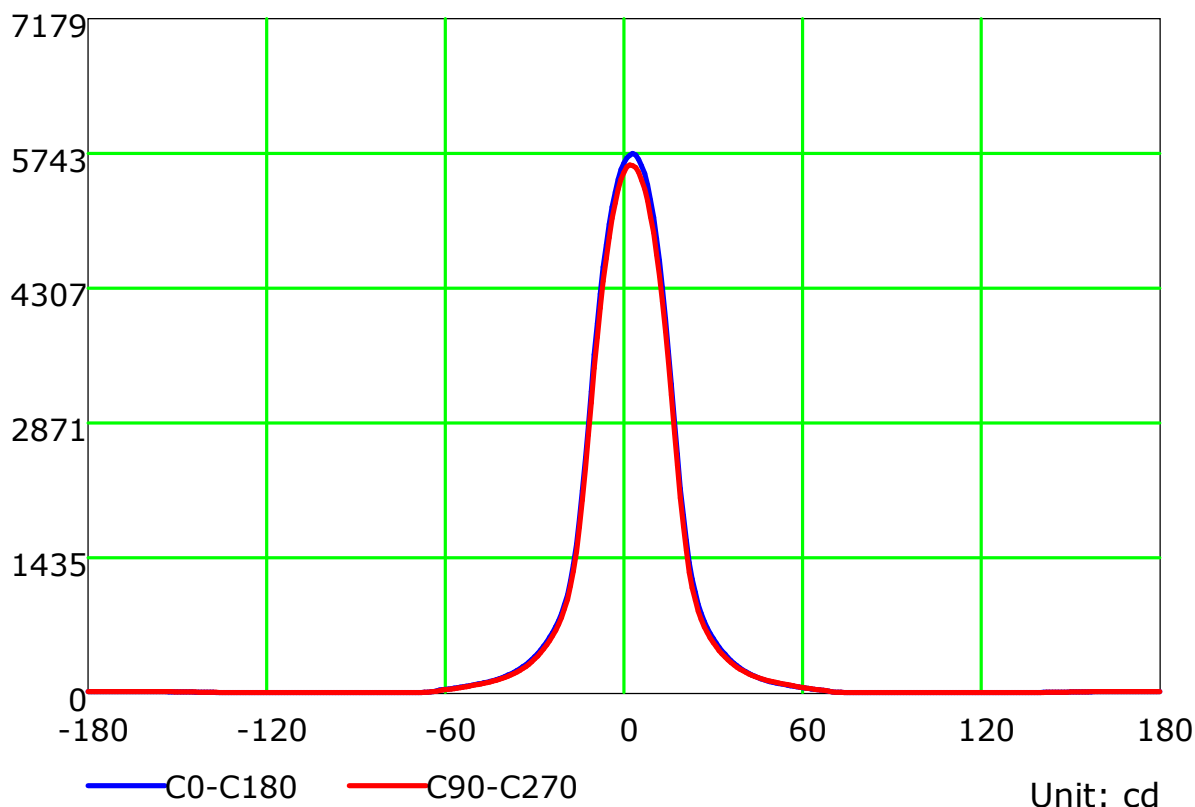
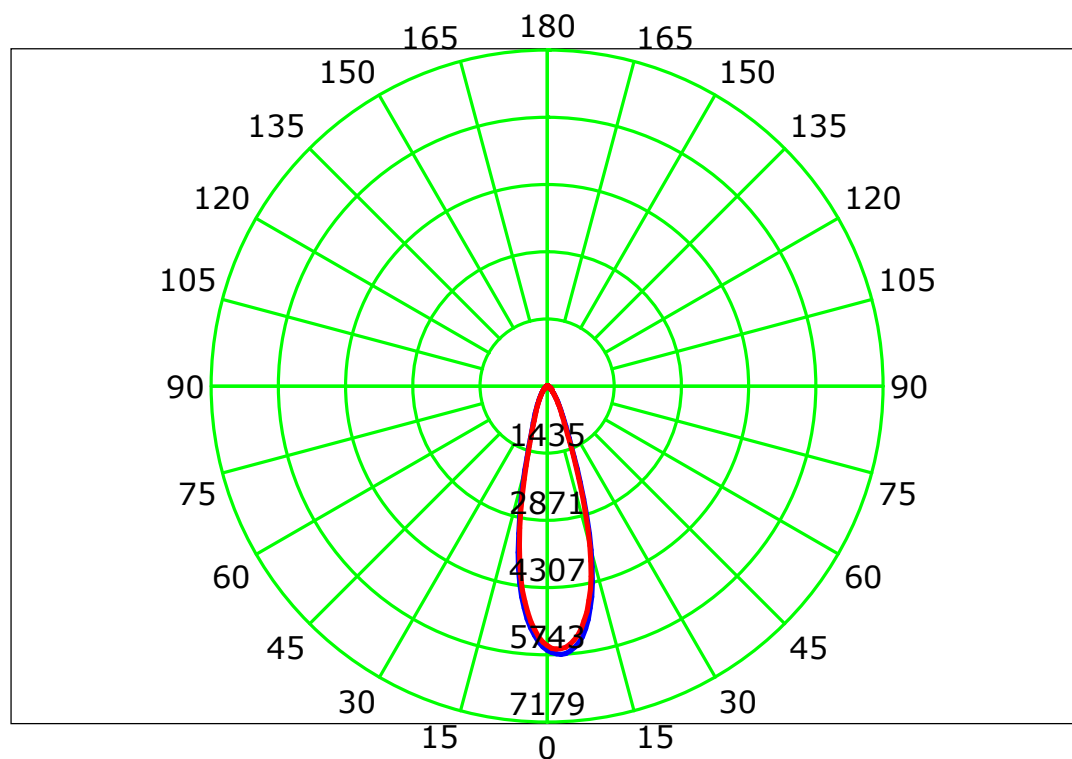
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

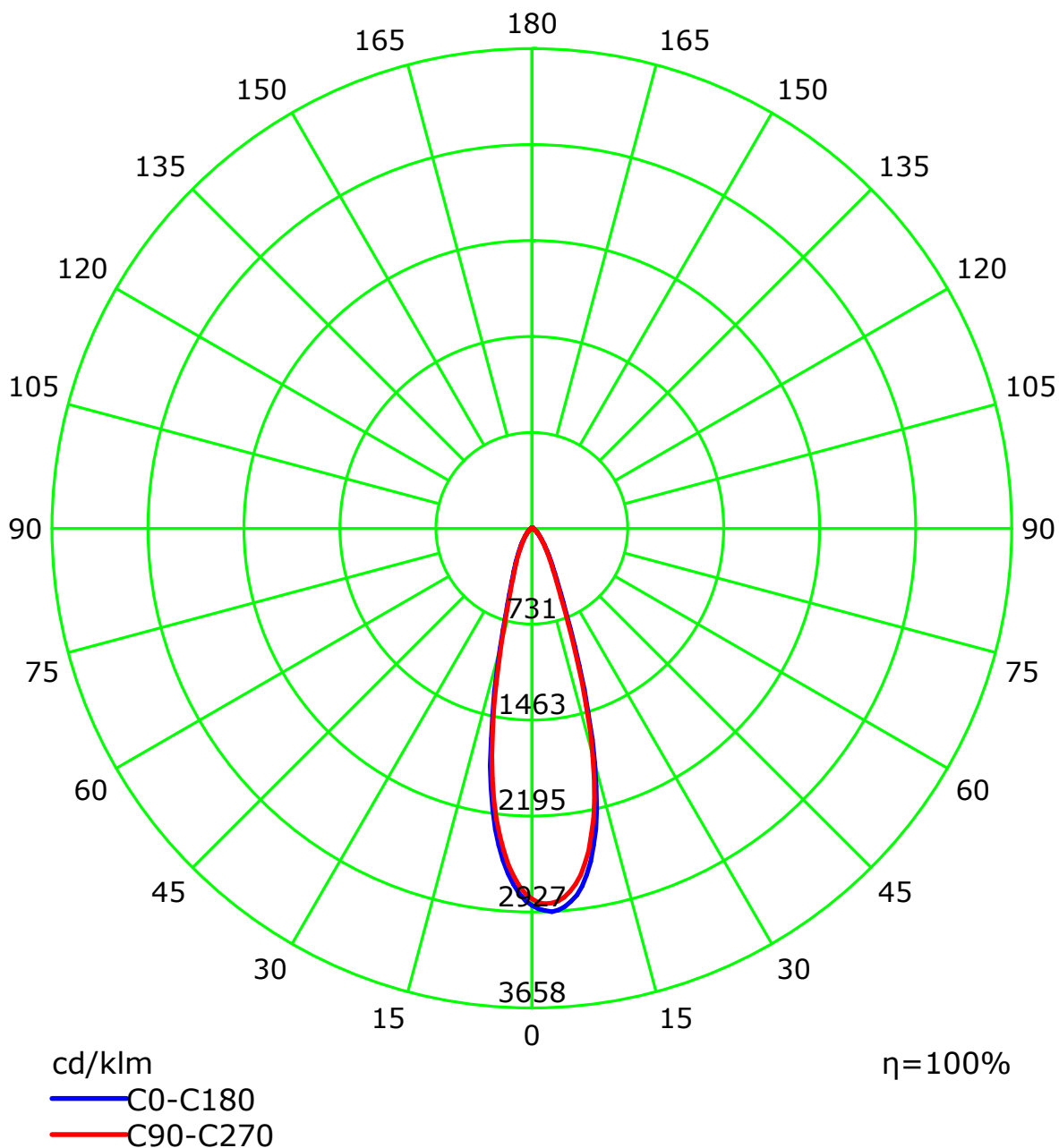
Distance: 10.144 m

Humidity:

Inspector:

Unit: cd

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

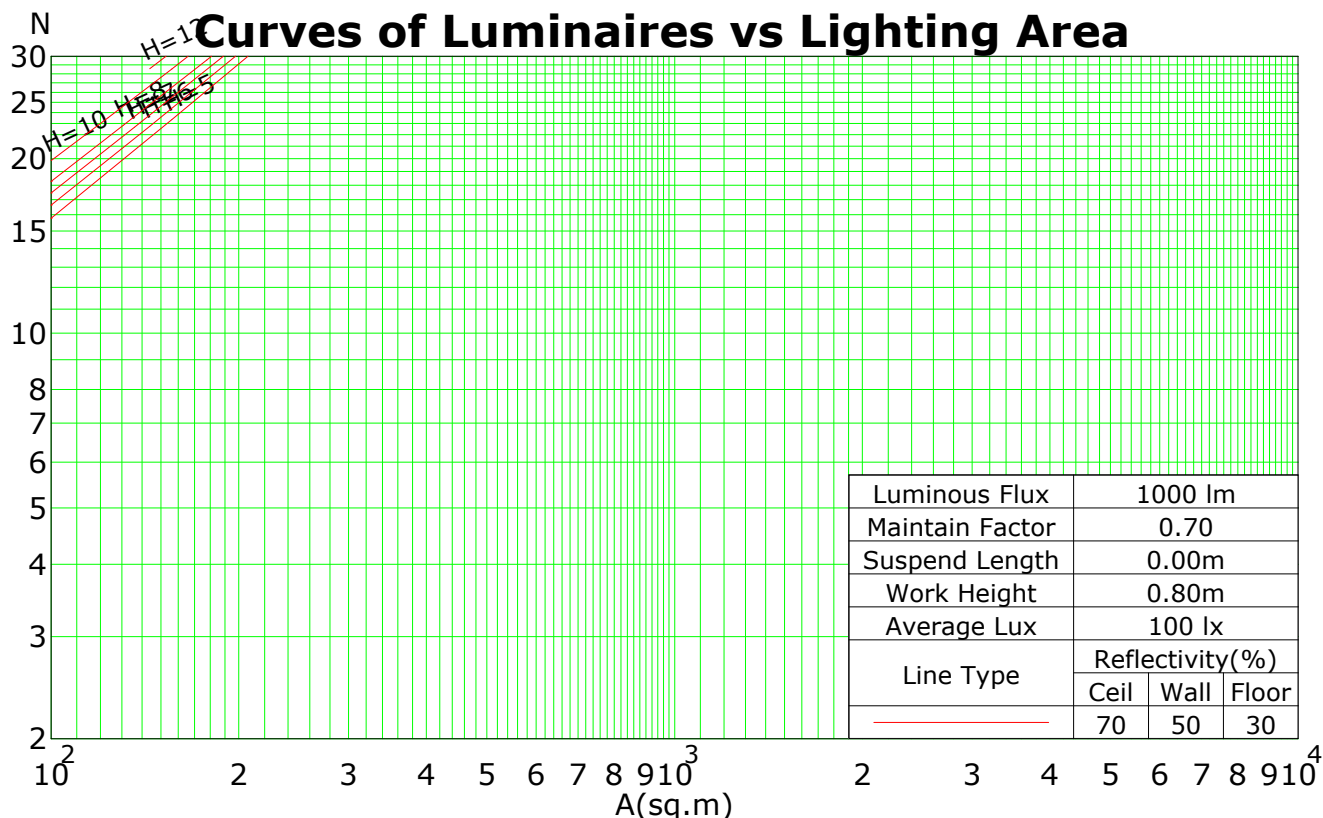
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RC | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0 |
| RW | 0.7 | 0.5 | 0.3 | 0.1 | 0.7 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0 |
| RCR | RF = 0.2 | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 109 | 104 | 101 | 98 | 107 | 103 | 99 | 97 | 99 | 97 | 94 | 96 | 94 | 92 | 94 | 92 | 90 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 79 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 83 | 79 | 86 | 81 | 78 | 84 | 80 | 78 | 82 | 79 | 77 | 75 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 69 | 65 | 72 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 | 61 |

Spacing Criteria (0-180): 0.50

Spacing Criteria (90-270): 0.49

Spacing Criteria (Diagonal): 0.48



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

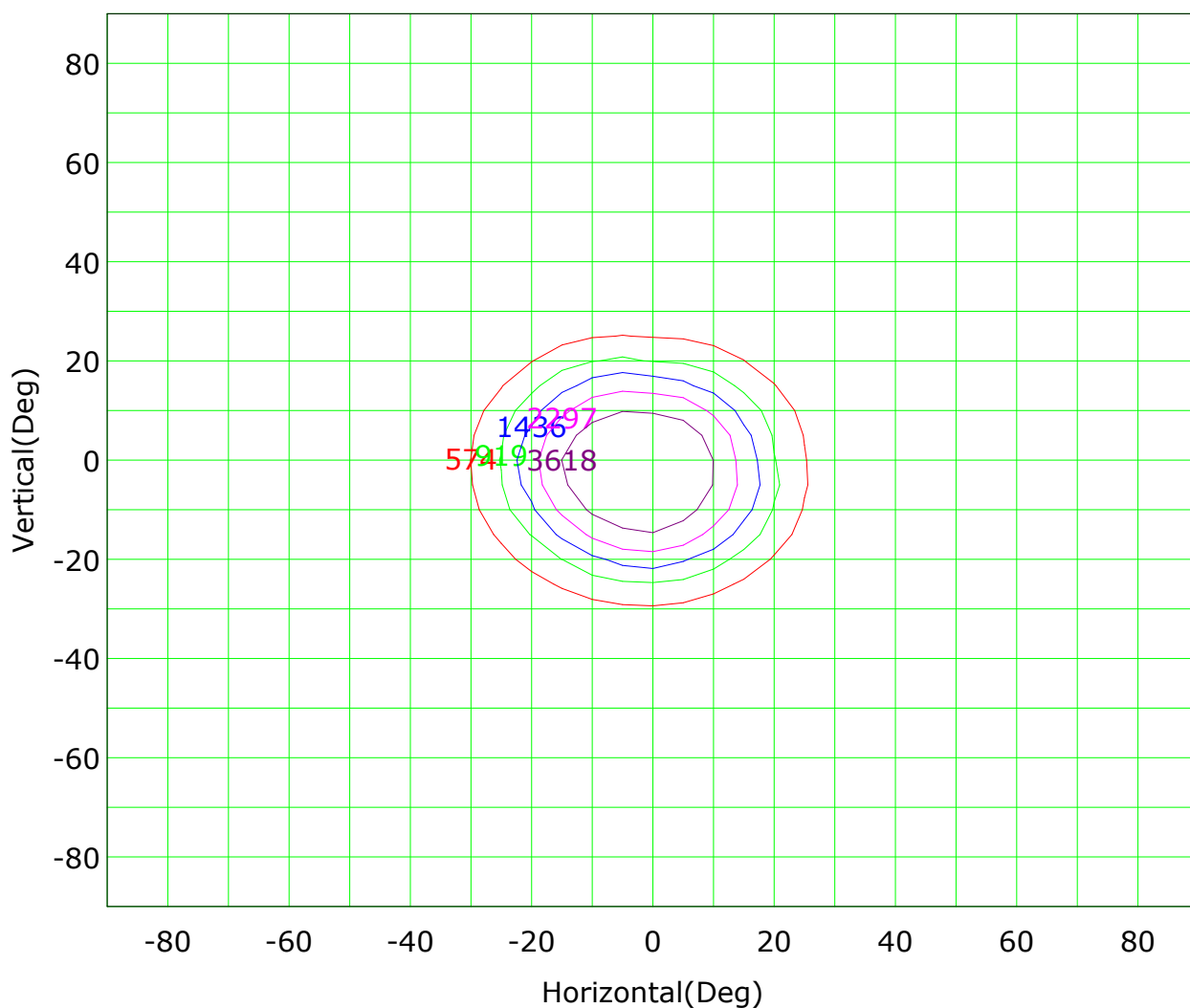
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 5743 cd

(10%): 574 cd
(25%): 1436 cd
(63%): 3618 cd

(16%): 919 cd
(40%): 2297 cd
(100%): 5743 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

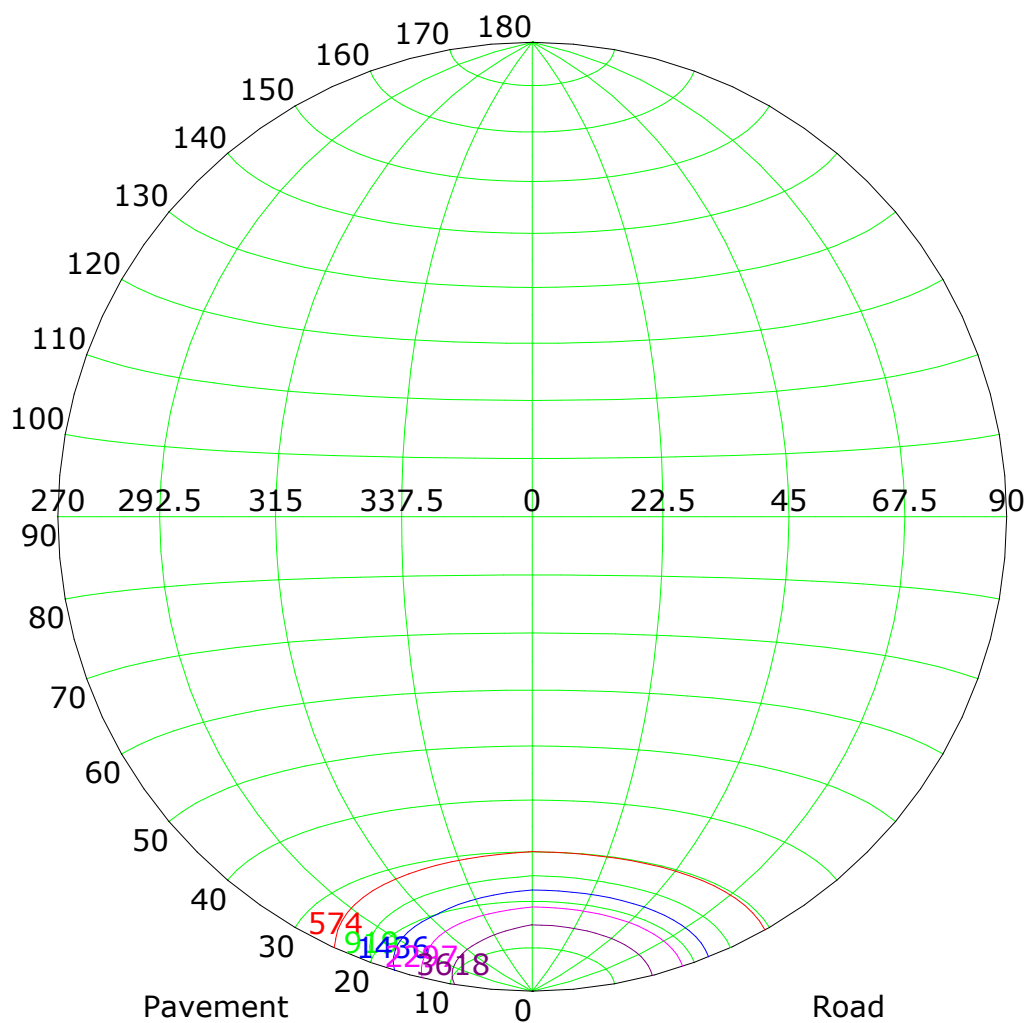
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 5743 cd

— (10%): 574 cd
 — (25%): 1436 cd
 — (63%): 3618 cd

— (16%): 919 cd
 — (40%): 2297 cd
 — (100%): 5743 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

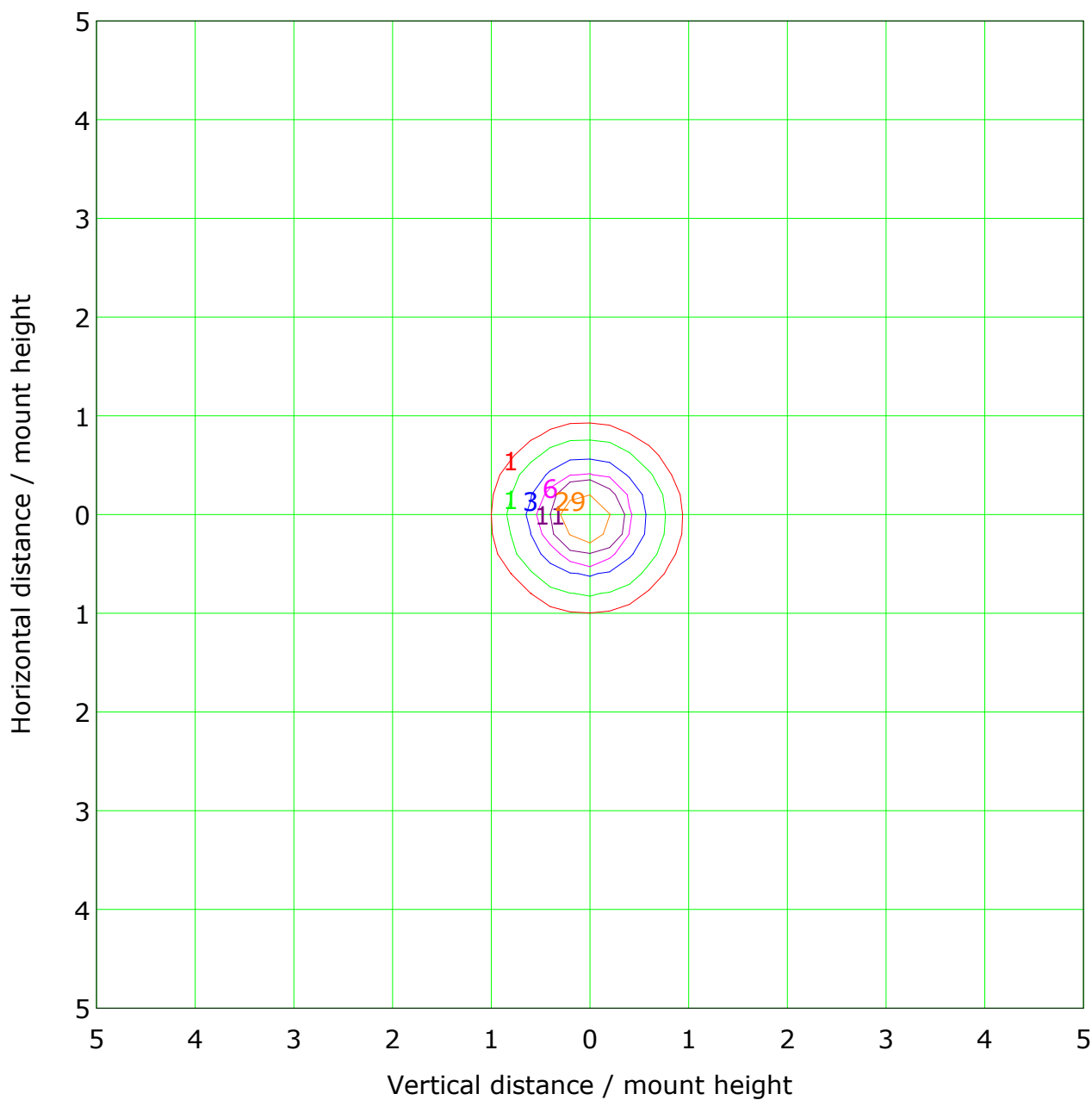
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 57.2 lx

| | |
|-----------------|-----------------|
| (1%): 0.6 lx | (2%): 1.1 lx |
| (5%): 2.9 lx | (10%): 5.7 lx |
| (20%): 11.4 lx | (50%): 28.6 lx |
| (100%): 57.2 lx | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

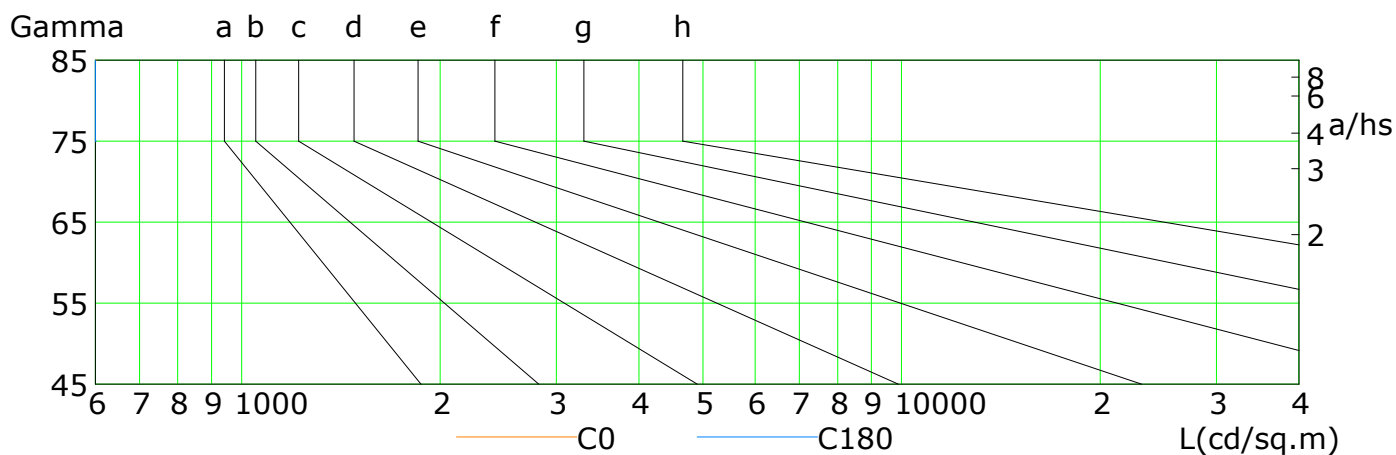
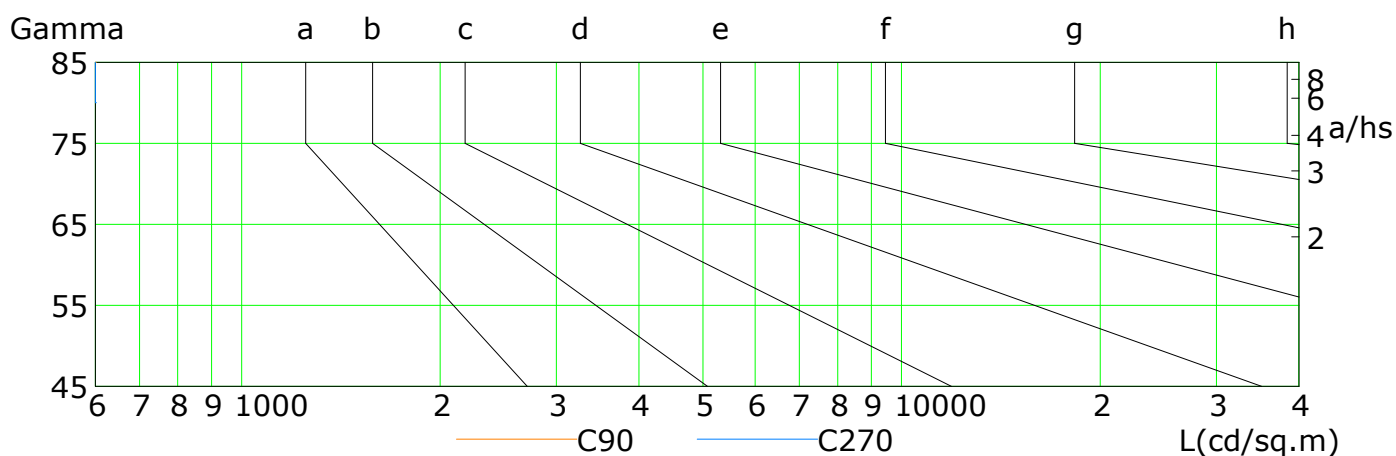
Humidity:

Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| 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 | 162 | 111 | 80 | 54 | 32 | 9 | 2 | 0 | 0 |
| C90 | 162 | 117 | 85 | 56 | 33 | 10 | 2 | 0 | 0 |
| C180 | 120 | 86 | 59 | 36 | 8 | 2 | 0 | 0 | 0 |
| C270 | 114 | 82 | 54 | 31 | 8 | 2 | 0 | 0 | 0 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

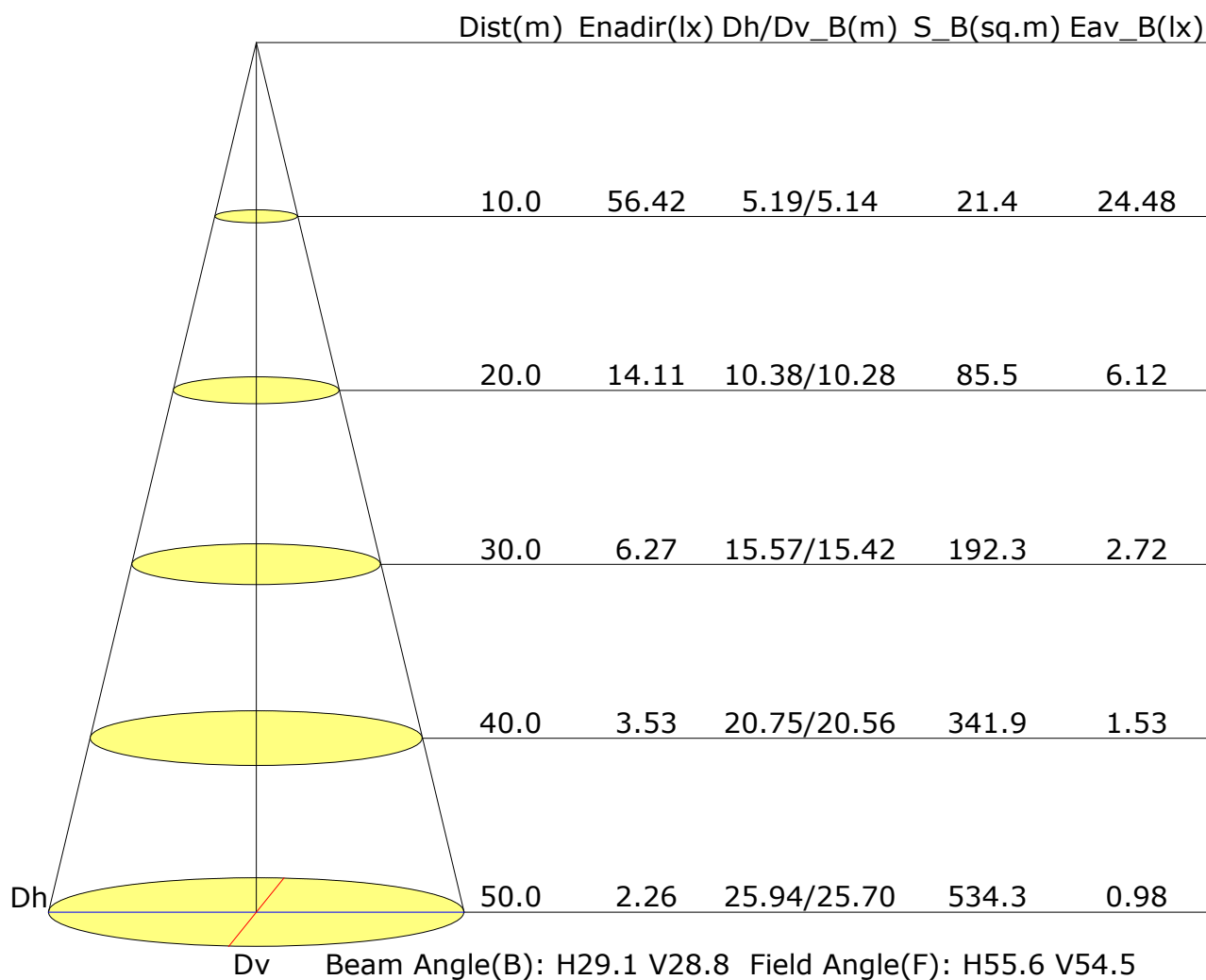
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

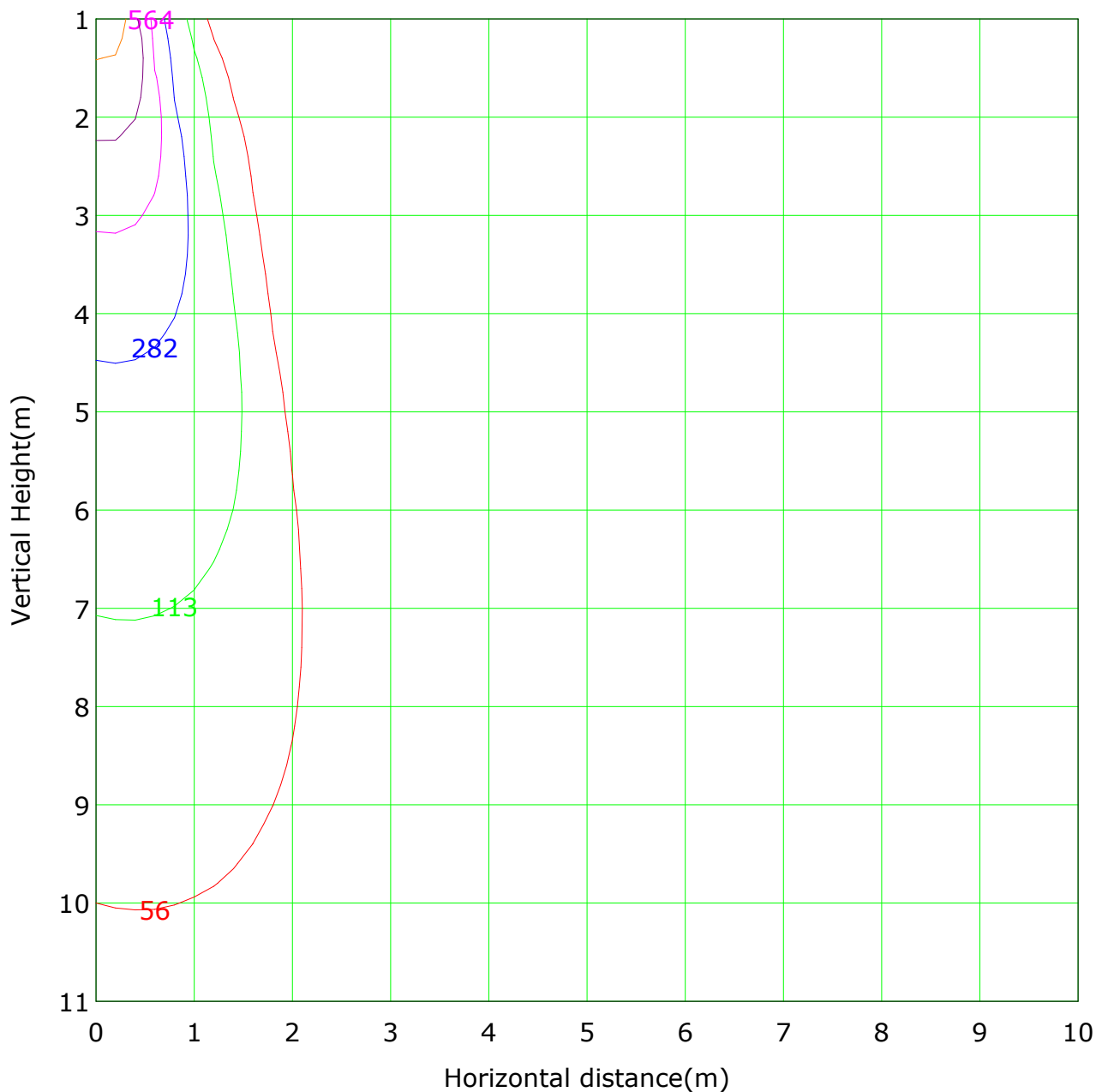
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5642.1 lx

| | |
|-------------------|-------------------|
| (1%): 56.4 lx | (2%): 112.8 lx |
| (5%): 282.1 lx | (10%): 564.2 lx |
| (20%): 1128.4 lx | (50%): 2821.0 lx |
| (100%): 5642.1 lx | |

C Plane (°): 0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-180.0: 1.0

Test Device: GPM-1600

Distance: 10.144 m

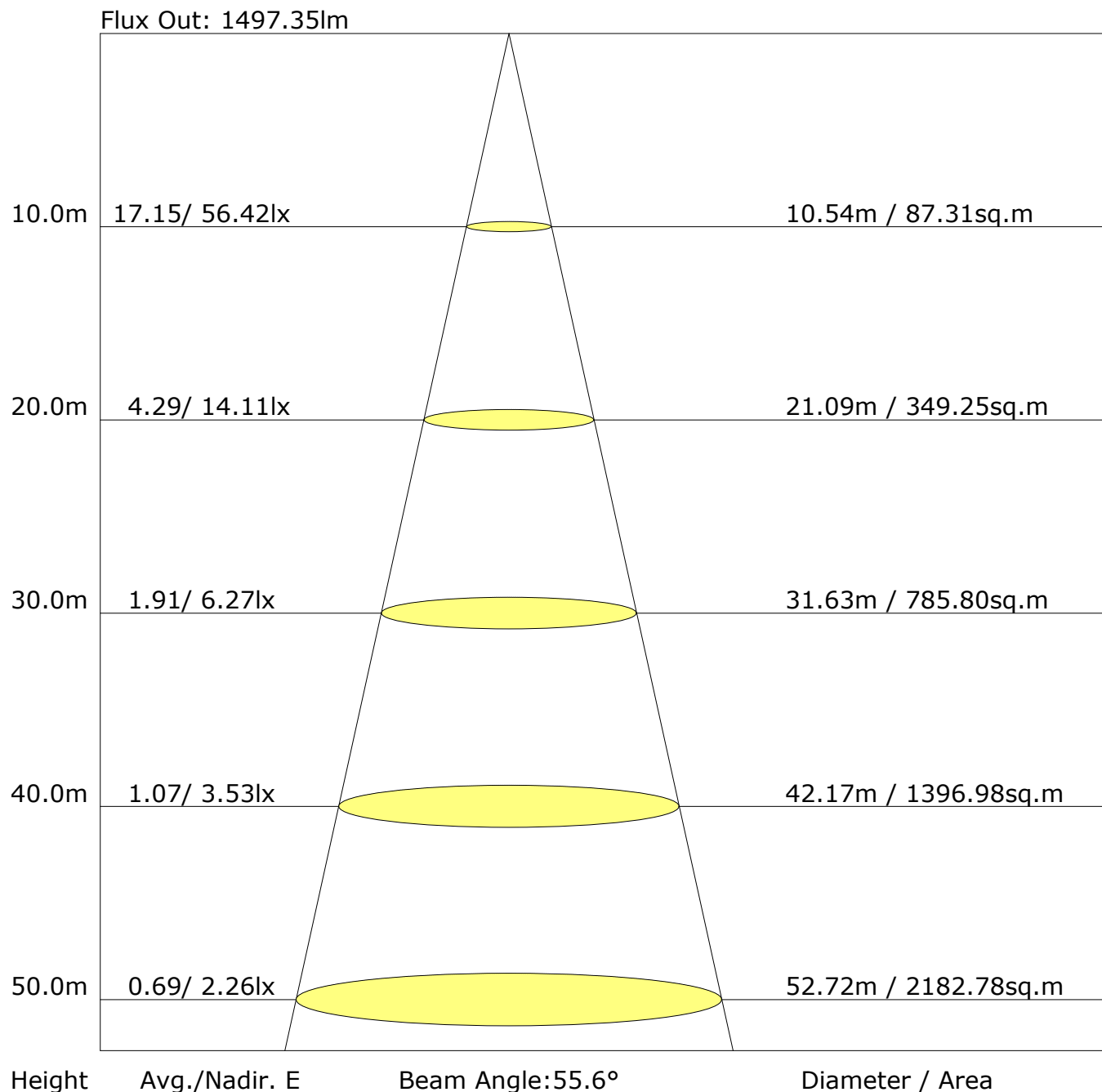
Humidity:

Inspector:

Unit: lm

Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-180.0: 1.0

Test Device: GPM-1600

Distance: 10.144 m

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

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

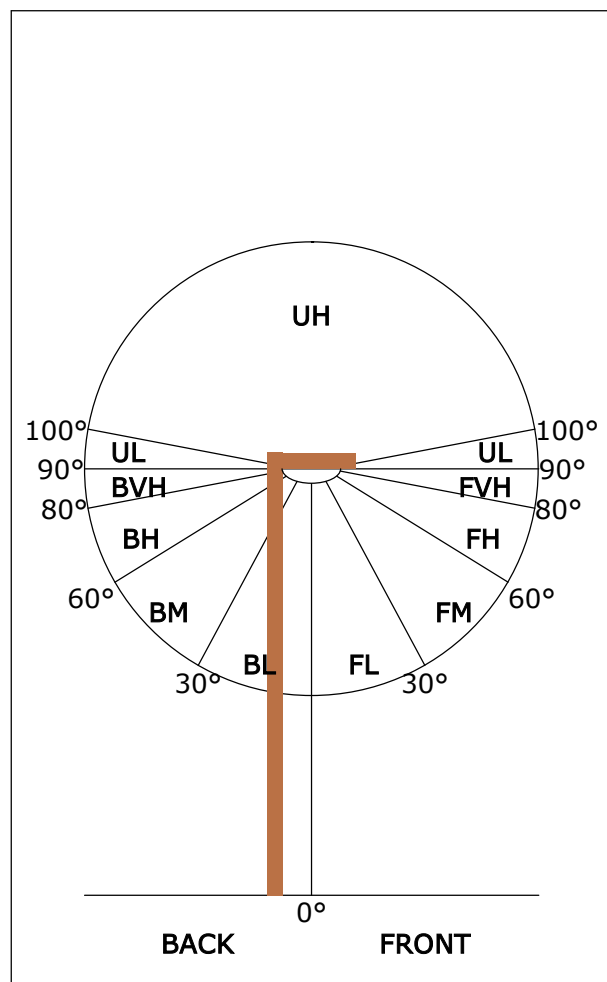
Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



| ZONE | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT | 1079 | 55.0 |
| FL (0°-30°) | 864 | 44.0 |
| FM (30°-60°) | 200 | 10.2 |
| FH (60°-80°) | 15 | 0.8 |
| FVH (80°-90°) | 0 | 0.0 |
| BACK LIGHT | 868 | 44.2 |
| BL (0°-30°) | 693 | 35.3 |
| BM (30°-60°) | 166 | 8.5 |
| BH (60°-80°) | 9 | 0.5 |
| BVH (80°-90°) | 0 | 0.0 |
| UP LIGHT | 16 | 0.8 |
| UL (90°-100°) | 0 | 0.0 |
| UH (100°-180°) | 16 | 0.8 |
| TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07 | |
|------------------------------------------------------------------|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B2 U2 G0 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B2 U2 G0 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

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 | 0.96 | 1.00 | 1.02 | 1.06 | 1.08 | 1.09 | 1.11 | 1.13 | |
| | 0.30 | | 0.87 | 0.92 | 0.96 | 0.99 | 1.03 | 1.05 | 1.07 | 1.09 | 1.11 | |
| | 0.20 | | 0.84 | 0.89 | 0.93 | 0.96 | 1.00 | 1.03 | 1.05 | 1.08 | 1.09 | |
| 0.50 | 0.50 | 0.20 | 0.90 | 0.94 | 0.97 | 1.00 | 1.03 | 1.05 | 1.06 | 1.07 | 1.09 | |
| | 0.30 | | 0.86 | 0.91 | 0.94 | 0.97 | 1.00 | 1.02 | 1.04 | 1.06 | 1.07 | |
| | 0.20 | | 0.83 | 0.88 | 0.92 | 0.94 | 0.98 | 1.00 | 1.02 | 1.04 | 1.06 | |
| 0.30 | 0.50 | 0.20 | 0.88 | 0.93 | 0.95 | 0.97 | 1.00 | 1.01 | 1.03 | 1.04 | 1.05 | |
| | 0.30 | | 0.85 | 0.90 | 0.93 | 0.95 | 0.98 | 1.00 | 1.01 | 1.03 | 1.04 | |
| | 0.20 | | 0.83 | 0.88 | 0.91 | 0.93 | 0.96 | 0.98 | 1.00 | 1.01 | 1.03 | |
| 0.00 | 0.00 | 0.00 | 0.81 | 0.86 | 0.88 | 0.90 | 0.93 | 0.95 | 0.96 | 0.97 | 0.98 | |
| Rating:27W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

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 | 0.51 | 0.41 | 0.35 | 0.30 | 0.24 | 0.20 | 0.17 | 0.13 | 0.11 | |
| | 0.30 | | 0.42 | 0.35 | 0.31 | 0.27 | 0.22 | 0.18 | 0.16 | 0.12 | 0.10 | |
| | 0.20 | | 0.36 | 0.31 | 0.27 | 0.24 | 0.20 | 0.17 | 0.15 | 0.12 | 0.10 | |
| 0.50 | 0.50 | 0.20 | 0.48 | 0.39 | 0.33 | 0.28 | 0.22 | 0.22 | 0.15 | 0.12 | 0.10 | |
| | 0.30 | | 0.41 | 0.34 | 0.29 | 0.25 | 0.20 | 0.17 | 0.14 | 0.11 | 0.09 | |
| | 0.20 | | 0.35 | 0.30 | 0.26 | 0.23 | 0.19 | 0.16 | 0.14 | 0.11 | 0.09 | |
| 0.30 | 0.50 | 0.20 | 0.46 | 0.36 | 0.30 | 0.26 | 0.20 | 0.16 | 0.14 | 0.11 | 0.09 | |
| | 0.30 | | 0.39 | 0.32 | 0.27 | 0.23 | 0.19 | 0.15 | 0.13 | 0.10 | 0.08 | |
| | 0.20 | | 0.34 | 0.29 | 0.25 | 0.21 | 0.17 | 0.14 | 0.12 | 0.10 | 0.08 | |
| 0.00 | 0.00 | 0.00 | 0.20 | 0.16 | 0.13 | 0.11 | 0.08 | 0.07 | 0.06 | 0.04 | 0.03 | |
| Rating:27W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

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 | 0.15 | 0.16 | 0.17 | 0.19 | 0.19 | 0.20 | 0.21 | 0.22 | |
| | 0.30 | | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.20 | 0.20 | |
| | 0.20 | | 0.07 | 0.09 | 0.11 | 0.12 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | |
| 0.50 | 0.50 | 0.20 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 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 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | |
| 0.30 | 0.50 | 0.20 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | |
| | 0.20 | | 0.07 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | |
| 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| Rating:27W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | | |

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 5589.3 | 5.3 | 5.3 | 0.27 | 0.27 |
| 1.0-2.0 | 5565.4 | 16.0 | 21.3 | 0.81 | 1.09 |
| 2.0-3.0 | 5510.5 | 26.4 | 47.7 | 1.34 | 2.43 |
| 3.0-4.0 | 5431.5 | 36.4 | 84.0 | 1.85 | 4.28 |
| 4.0-5.0 | 5326.3 | 45.8 | 129.9 | 2.34 | 6.62 |
| 5.0-6.0 | 5192.1 | 54.6 | 184.4 | 2.78 | 9.40 |
| 6.0-7.0 | 5036.2 | 62.5 | 247.0 | 3.19 | 12.59 |
| 7.0-8.0 | 4851.0 | 69.4 | 316.4 | 3.54 | 16.13 |
| 8.0-9.0 | 4628.6 | 75.0 | 391.4 | 3.82 | 19.95 |
| 9.0-10.0 | 4382.4 | 79.3 | 470.7 | 4.04 | 23.99 |
| 10.0-11.0 | 4102.2 | 82.0 | 552.7 | 4.18 | 28.17 |
| 11.0-12.0 | 3802.8 | 83.1 | 635.9 | 4.24 | 32.41 |
| 12.0-13.0 | 3500.7 | 83.1 | 718.9 | 4.23 | 36.64 |
| 13.0-14.0 | 3176.0 | 81.3 | 800.3 | 4.14 | 40.79 |
| 14.0-15.0 | 2850.0 | 78.3 | 878.5 | 3.99 | 44.77 |
| 15.0-16.0 | 2539.0 | 74.4 | 952.9 | 3.79 | 48.57 |
| 16.0-17.0 | 2231.8 | 69.5 | 1022.4 | 3.54 | 52.11 |
| 17.0-18.0 | 1950.8 | 64.3 | 1086.7 | 3.28 | 55.39 |
| 18.0-19.0 | 1697.0 | 59.0 | 1145.8 | 3.01 | 58.40 |
| 19.0-20.0 | 1471.3 | 53.9 | 1199.7 | 2.74 | 61.14 |
| 20.0-21.0 | 1283.2 | 49.3 | 1248.9 | 2.51 | 63.65 |
| 21.0-22.0 | 1116.7 | 44.9 | 1293.8 | 2.29 | 65.94 |
| 22.0-23.0 | 981.4 | 41.2 | 1335.0 | 2.10 | 68.04 |
| 23.0-24.0 | 874.7 | 38.2 | 1373.2 | 1.95 | 69.99 |
| 24.0-25.0 | 782.0 | 35.6 | 1408.8 | 1.81 | 71.80 |
| 25.0-26.0 | 704.3 | 33.2 | 1442.1 | 1.69 | 73.50 |
| 26.0-27.0 | 637.7 | 31.2 | 1473.3 | 1.59 | 75.09 |
| 27.0-28.0 | 579.4 | 29.3 | 1502.6 | 1.50 | 76.58 |
| 28.0-29.0 | 530.1 | 27.7 | 1530.3 | 1.41 | 77.99 |
| 29.0-30.0 | 485.1 | 26.2 | 1556.5 | 1.33 | 79.33 |
| 30.0-31.0 | 445.0 | 24.8 | 1581.3 | 1.26 | 80.59 |
| 31.0-32.0 | 408.4 | 23.4 | 1604.7 | 1.19 | 81.78 |
| 32.0-33.0 | 375.0 | 22.1 | 1626.8 | 1.13 | 82.91 |
| 33.0-34.0 | 345.6 | 20.9 | 1647.7 | 1.07 | 83.98 |
| 34.0-35.0 | 317.5 | 19.7 | 1667.4 | 1.00 | 84.98 |
| 35.0-36.0 | 291.6 | 18.6 | 1686.0 | 0.95 | 85.93 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

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 | 268.7 | 17.5 | 1703.5 | 0.89 | 86.82 |
| 37.0-38.0 | 247.4 | 16.5 | 1720.1 | 0.84 | 87.66 |
| 38.0-39.0 | 228.7 | 15.6 | 1735.7 | 0.80 | 88.46 |
| 39.0-40.0 | 210.9 | 14.7 | 1750.4 | 0.75 | 89.21 |
| 40.0-41.0 | 194.6 | 13.9 | 1764.2 | 0.71 | 89.91 |
| 41.0-42.0 | 180.8 | 13.1 | 1777.4 | 0.67 | 90.58 |
| 42.0-43.0 | 167.6 | 12.4 | 1789.8 | 0.63 | 91.22 |
| 43.0-44.0 | 155.5 | 11.7 | 1801.5 | 0.60 | 91.82 |
| 44.0-45.0 | 144.7 | 11.1 | 1812.6 | 0.57 | 92.38 |
| 45.0-46.0 | 134.5 | 10.5 | 1823.2 | 0.54 | 92.92 |
| 46.0-47.0 | 125.4 | 10.0 | 1833.1 | 0.51 | 93.43 |
| 47.0-48.0 | 117.0 | 9.5 | 1842.6 | 0.48 | 93.91 |
| 48.0-49.0 | 109.5 | 9.0 | 1851.6 | 0.46 | 94.37 |
| 49.0-50.0 | 102.6 | 8.6 | 1860.2 | 0.44 | 94.80 |
| 50.0-51.0 | 95.7 | 8.1 | 1868.3 | 0.41 | 95.22 |
| 51.0-52.0 | 89.4 | 7.7 | 1875.9 | 0.39 | 95.61 |
| 52.0-53.0 | 83.6 | 7.3 | 1883.2 | 0.37 | 95.98 |
| 53.0-54.0 | 77.7 | 6.8 | 1890.0 | 0.35 | 96.33 |
| 54.0-55.0 | 72.0 | 6.4 | 1896.5 | 0.33 | 96.65 |
| 55.0-56.0 | 66.4 | 6.0 | 1902.5 | 0.31 | 96.96 |
| 56.0-57.0 | 60.9 | 5.6 | 1908.0 | 0.28 | 97.24 |
| 57.0-58.0 | 56.0 | 5.2 | 1913.2 | 0.26 | 97.51 |
| 58.0-59.0 | 51.2 | 4.8 | 1918.0 | 0.24 | 97.75 |
| 59.0-60.0 | 46.4 | 4.4 | 1922.4 | 0.22 | 97.98 |
| 60.0-61.0 | 42.0 | 4.0 | 1926.4 | 0.20 | 98.18 |
| 61.0-62.0 | 37.7 | 3.6 | 1930.0 | 0.19 | 98.36 |
| 62.0-63.0 | 32.7 | 3.2 | 1933.2 | 0.16 | 98.53 |
| 63.0-64.0 | 27.0 | 2.6 | 1935.9 | 0.13 | 98.66 |
| 64.0-65.0 | 22.1 | 2.2 | 1938.0 | 0.11 | 98.77 |
| 65.0-66.0 | 18.7 | 1.9 | 1939.9 | 0.10 | 98.87 |
| 66.0-67.0 | 16.0 | 1.6 | 1941.5 | 0.08 | 98.95 |
| 67.0-68.0 | 13.7 | 1.4 | 1942.9 | 0.07 | 99.02 |
| 68.0-69.0 | 10.6 | 1.1 | 1944.0 | 0.06 | 99.08 |
| 69.0-70.0 | 7.1 | 0.7 | 1944.7 | 0.04 | 99.11 |
| 70.0-71.0 | 4.8 | 0.5 | 1945.2 | 0.03 | 99.14 |
| 71.0-72.0 | 3.3 | 0.3 | 1945.6 | 0.02 | 99.16 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

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 | 2.4 | 0.3 | 1945.8 | 0.01 | 99.17 |
| 73.0-74.0 | 1.8 | 0.2 | 1946.0 | 0.01 | 99.18 |
| 74.0-75.0 | 1.2 | 0.1 | 1946.1 | 0.01 | 99.18 |
| 75.0-76.0 | 0.9 | 0.1 | 1946.2 | 0.00 | 99.19 |
| 76.0-77.0 | 0.7 | 0.1 | 1946.3 | 0.00 | 99.19 |
| 77.0-78.0 | 0.5 | 0.0 | 1946.3 | 0.00 | 99.20 |
| 78.0-79.0 | 0.3 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 79.0-80.0 | 0.2 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 80.0-81.0 | 0.1 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 81.0-82.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 82.0-83.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 83.0-84.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 84.0-85.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 85.0-86.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 86.0-87.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 87.0-88.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 88.0-89.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 89.0-90.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 90.0-91.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 91.0-92.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 92.0-93.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 93.0-94.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 94.0-95.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 95.0-96.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 96.0-97.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 97.0-98.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 98.0-99.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 99.0-100.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 100.0-101.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 101.0-102.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 102.0-103.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 103.0-104.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 104.0-105.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 105.0-106.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 106.0-107.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 107.0-108.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

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 | 1946.4 | 0.00 | 99.20 |
| 109.0-110.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 110.0-111.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 111.0-112.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 112.0-113.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 113.0-114.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 114.0-115.0 | 0.0 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 115.0-116.0 | 0.1 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 116.0-117.0 | 0.1 | 0.0 | 1946.4 | 0.00 | 99.20 |
| 117.0-118.0 | 0.1 | 0.0 | 1946.5 | 0.00 | 99.20 |
| 118.0-119.0 | 0.2 | 0.0 | 1946.5 | 0.00 | 99.20 |
| 119.0-120.0 | 0.2 | 0.0 | 1946.5 | 0.00 | 99.20 |
| 120.0-121.0 | 0.3 | 0.0 | 1946.5 | 0.00 | 99.20 |
| 121.0-122.0 | 0.4 | 0.0 | 1946.6 | 0.00 | 99.21 |
| 122.0-123.0 | 0.4 | 0.0 | 1946.6 | 0.00 | 99.21 |
| 123.0-124.0 | 0.5 | 0.0 | 1946.6 | 0.00 | 99.21 |
| 124.0-125.0 | 0.6 | 0.1 | 1946.7 | 0.00 | 99.21 |
| 125.0-126.0 | 0.6 | 0.1 | 1946.8 | 0.00 | 99.22 |
| 126.0-127.0 | 0.8 | 0.1 | 1946.8 | 0.00 | 99.22 |
| 127.0-128.0 | 0.9 | 0.1 | 1946.9 | 0.00 | 99.22 |
| 128.0-129.0 | 1.1 | 0.1 | 1947.0 | 0.00 | 99.23 |
| 129.0-130.0 | 1.3 | 0.1 | 1947.1 | 0.01 | 99.23 |
| 130.0-131.0 | 1.3 | 0.1 | 1947.2 | 0.01 | 99.24 |
| 131.0-132.0 | 1.5 | 0.1 | 1947.3 | 0.01 | 99.25 |
| 132.0-133.0 | 1.8 | 0.1 | 1947.5 | 0.01 | 99.25 |
| 133.0-134.0 | 2.0 | 0.2 | 1947.6 | 0.01 | 99.26 |
| 134.0-135.0 | 2.2 | 0.2 | 1947.8 | 0.01 | 99.27 |
| 135.0-136.0 | 2.5 | 0.2 | 1948.0 | 0.01 | 99.28 |
| 136.0-137.0 | 2.8 | 0.2 | 1948.2 | 0.01 | 99.29 |
| 137.0-138.0 | 3.1 | 0.2 | 1948.4 | 0.01 | 99.30 |
| 138.0-139.0 | 3.5 | 0.3 | 1948.7 | 0.01 | 99.32 |
| 139.0-140.0 | 3.8 | 0.3 | 1949.0 | 0.01 | 99.33 |
| 140.0-141.0 | 4.1 | 0.3 | 1949.2 | 0.01 | 99.34 |
| 141.0-142.0 | 4.5 | 0.3 | 1949.6 | 0.02 | 99.36 |
| 142.0-143.0 | 4.9 | 0.3 | 1949.9 | 0.02 | 99.38 |
| 143.0-144.0 | 5.4 | 0.4 | 1950.2 | 0.02 | 99.39 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

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 | 5.8 | 0.4 | 1950.6 | 0.02 | 99.41 |
| 145.0-146.0 | 6.2 | 0.4 | 1951.0 | 0.02 | 99.43 |
| 146.0-147.0 | 6.6 | 0.4 | 1951.4 | 0.02 | 99.45 |
| 147.0-148.0 | 7.1 | 0.4 | 1951.8 | 0.02 | 99.47 |
| 148.0-149.0 | 7.6 | 0.4 | 1952.2 | 0.02 | 99.50 |
| 149.0-150.0 | 8.1 | 0.4 | 1952.7 | 0.02 | 99.52 |
| 150.0-151.0 | 8.5 | 0.5 | 1953.1 | 0.02 | 99.54 |
| 151.0-152.0 | 8.9 | 0.5 | 1953.6 | 0.02 | 99.57 |
| 152.0-153.0 | 9.3 | 0.5 | 1954.1 | 0.02 | 99.59 |
| 153.0-154.0 | 9.7 | 0.5 | 1954.6 | 0.02 | 99.61 |
| 154.0-155.0 | 10.1 | 0.5 | 1955.0 | 0.02 | 99.64 |
| 155.0-156.0 | 10.5 | 0.5 | 1955.5 | 0.02 | 99.66 |
| 156.0-157.0 | 10.9 | 0.5 | 1956.0 | 0.02 | 99.69 |
| 157.0-158.0 | 11.2 | 0.5 | 1956.5 | 0.02 | 99.71 |
| 158.0-159.0 | 11.4 | 0.5 | 1956.9 | 0.02 | 99.73 |
| 159.0-160.0 | 11.7 | 0.4 | 1957.4 | 0.02 | 99.76 |
| 160.0-161.0 | 11.9 | 0.4 | 1957.8 | 0.02 | 99.78 |
| 161.0-162.0 | 12.2 | 0.4 | 1958.2 | 0.02 | 99.80 |
| 162.0-163.0 | 12.4 | 0.4 | 1958.6 | 0.02 | 99.82 |
| 163.0-164.0 | 12.5 | 0.4 | 1959.0 | 0.02 | 99.84 |
| 164.0-165.0 | 12.6 | 0.4 | 1959.4 | 0.02 | 99.86 |
| 165.0-166.0 | 12.6 | 0.3 | 1959.7 | 0.02 | 99.88 |
| 166.0-167.0 | 12.7 | 0.3 | 1960.1 | 0.02 | 99.90 |
| 167.0-168.0 | 12.7 | 0.3 | 1960.4 | 0.02 | 99.91 |
| 168.0-169.0 | 12.7 | 0.3 | 1960.6 | 0.01 | 99.92 |
| 169.0-170.0 | 12.8 | 0.3 | 1960.9 | 0.01 | 99.94 |
| 170.0-171.0 | 12.8 | 0.2 | 1961.1 | 0.01 | 99.95 |
| 171.0-172.0 | 12.8 | 0.2 | 1961.3 | 0.01 | 99.96 |
| 172.0-173.0 | 12.8 | 0.2 | 1961.5 | 0.01 | 99.97 |
| 173.0-174.0 | 12.8 | 0.2 | 1961.7 | 0.01 | 99.98 |
| 174.0-175.0 | 12.8 | 0.1 | 1961.8 | 0.01 | 99.98 |
| 175.0-176.0 | 12.8 | 0.1 | 1961.9 | 0.01 | 99.99 |
| 176.0-177.0 | 12.9 | 0.1 | 1962.0 | 0.00 | 99.99 |
| 177.0-178.0 | 12.9 | 0.1 | 1962.1 | 0.00 | 100.00 |
| 178.0-179.0 | 13.0 | 0.0 | 1962.1 | 0.00 | 100.00 |
| 179.0-180.0 | 13.0 | 0.0 | 1962.1 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|-------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G0.0 | 5642.1 | 5542.9 | 5642.1 | 5542.9 | 5642.1 | | | | | |
| G1.0 | 5696.2 | 5601.9 | 5572.9 | 5473.4 | 5696.2 | | | | | |
| G2.0 | 5725.0 | 5621.0 | 5469.4 | 5363.2 | 5725.0 | | | | | |
| G3.0 | 5743.2 | 5615.5 | 5331.9 | 5214.8 | 5743.2 | | | | | |
| G4.0 | 5726.4 | 5594.0 | 5175.1 | 5050.9 | 5726.4 | | | | | |
| G5.0 | 5681.8 | 5544.6 | 4989.9 | 4848.0 | 5681.8 | | | | | |
| G6.0 | 5613.6 | 5462.1 | 4770.7 | 4626.3 | 5613.6 | | | | | |
| G7.0 | 5531.4 | 5367.0 | 4535.1 | 4383.2 | 5531.4 | | | | | |
| G8.0 | 5407.2 | 5239.4 | 4247.8 | 4097.0 | 5407.2 | | | | | |
| G9.0 | 5246.6 | 5069.1 | 3934.6 | 3787.2 | 5246.6 | | | | | |
| G10.0 | 5062.7 | 4898.4 | 3604.7 | 3455.9 | 5062.7 | | | | | |
| G11.0 | 4833.2 | 4666.5 | 3206.9 | 3088.8 | 4833.2 | | | | | |
| G12.0 | 4601.0 | 4440.6 | 2838.3 | 2746.6 | 4601.0 | | | | | |
| G13.0 | 4314.4 | 4171.7 | 2499.1 | 2393.6 | 4314.4 | | | | | |
| G14.0 | 3977.1 | 3848.4 | 2151.4 | 2052.2 | 3977.1 | | | | | |
| G15.0 | 3630.2 | 3525.9 | 1850.5 | 1764.4 | 3630.2 | | | | | |
| G16.0 | 3286.1 | 3172.3 | 1579.4 | 1502.9 | 3286.1 | | | | | |
| G17.0 | 2884.4 | 2770.6 | 1362.9 | 1296.0 | 2884.4 | | | | | |
| G18.0 | 2540.4 | 2427.6 | 1187.8 | 1136.8 | 2540.4 | | | | | |
| G19.0 | 2172.7 | 2074.0 | 1043.6 | 993.1 | 2172.7 | | | | | |
| G20.0 | 1885.0 | 1773.0 | 936.7 | 892.7 | 1885.0 | | | | | |
| G21.0 | 1621.3 | 1516.0 | 840.3 | 800.5 | 1621.3 | | | | | |
| G22.0 | 1382.0 | 1282.1 | 765.0 | 726.6 | 1382.0 | | | | | |
| G23.0 | 1210.9 | 1118.4 | 703.3 | 662.5 | 1210.9 | | | | | |
| G24.0 | 1069.8 | 987.8 | 640.6 | 604.3 | 1069.8 | | | | | |
| G25.0 | 939.8 | 868.8 | 590.0 | 555.3 | 939.8 | | | | | |
| G26.0 | 846.3 | 783.1 | 541.4 | 509.5 | 846.3 | | | | | |
| G27.0 | 758.7 | 702.5 | 494.9 | 464.9 | 758.7 | | | | | |
| G28.0 | 690.6 | 642.5 | 454.9 | 426.5 | 690.6 | | | | | |
| G29.0 | 632.8 | 586.2 | 416.9 | 390.2 | 632.8 | | | | | |
| G30.0 | 577.3 | 534.9 | 382.8 | 359.5 | 577.3 | | | | | |
| G31.0 | 530.2 | 491.2 | 353.5 | 330.7 | 530.2 | | | | | |
| G32.0 | 485.4 | 449.2 | 324.4 | 303.0 | 485.4 | | | | | |
| G33.0 | 445.3 | 413.9 | 299.9 | 278.9 | 445.3 | | | | | |
| G34.0 | 410.0 | 381.3 | 277.9 | 257.9 | 410.0 | | | | | |
| G35.0 | 372.3 | 348.3 | 255.8 | 236.3 | 372.3 | | | | | |
| G36.0 | 342.3 | 321.3 | 237.2 | 219.4 | 342.3 | | | | | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|-------|-------|-------|--------|--------|--------|--|--|--|--|--|
| G37.0 | 313.4 | 296.1 | 218.0 | 202.2 | 313.4 | | | | | |
| G38.0 | 287.4 | 272.3 | 201.0 | 189.0 | 287.4 | | | | | |
| G39.0 | 264.9 | 251.9 | 188.5 | 175.0 | 264.9 | | | | | |
| G40.0 | 241.5 | 232.0 | 171.4 | 161.8 | 241.5 | | | | | |
| G41.0 | 223.4 | 216.4 | 159.3 | 150.9 | 223.4 | | | | | |
| G42.0 | 206.5 | 200.6 | 148.5 | 141.1 | 206.5 | | | | | |
| G43.0 | 188.5 | 187.1 | 136.9 | 131.3 | 188.5 | | | | | |
| G44.0 | 174.5 | 173.8 | 128.5 | 123.1 | 174.5 | | | | | |
| G45.0 | 161.8 | 161.8 | 119.8 | 114.2 | 161.8 | | | | | |
| G46.0 | 148.0 | 151.0 | 112.3 | 107.0 | 148.0 | | | | | |
| G47.0 | 137.8 | 141.2 | 105.7 | 100.1 | 137.8 | | | | | |
| G48.0 | 127.5 | 132.0 | 98.3 | 93.7 | 127.5 | | | | | |
| G49.0 | 118.5 | 124.4 | 93.6 | 88.2 | 118.5 | | | | | |
| G50.0 | 111.2 | 117.4 | 85.9 | 82.0 | 111.2 | | | | | |
| G51.0 | 103.5 | 109.7 | 80.0 | 75.8 | 103.5 | | | | | |
| G52.0 | 97.3 | 103.8 | 74.4 | 70.3 | 97.3 | | | | | |
| G53.0 | 93.5 | 96.8 | 68.5 | 64.3 | 93.5 | | | | | |
| G54.0 | 85.6 | 90.9 | 63.1 | 58.9 | 85.6 | | | | | |
| G55.0 | 79.7 | 85.3 | 58.5 | 54.0 | 79.7 | | | | | |
| G56.0 | 73.3 | 78.5 | 53.2 | 48.6 | 73.3 | | | | | |
| G57.0 | 68.4 | 72.5 | 48.6 | 43.9 | 68.4 | | | | | |
| G58.0 | 63.4 | 67.0 | 44.3 | 39.7 | 63.4 | | | | | |
| G59.0 | 58.5 | 61.1 | 39.8 | 35.4 | 58.5 | | | | | |
| G60.0 | 53.7 | 55.9 | 35.7 | 31.3 | 53.7 | | | | | |
| G61.0 | 49.3 | 50.8 | 31.5 | 27.3 | 49.3 | | | | | |
| G62.0 | 44.5 | 46.1 | 28.0 | 23.9 | 44.5 | | | | | |
| G63.0 | 40.7 | 41.5 | 20.4 | 16.8 | 40.7 | | | | | |
| G64.0 | 36.1 | 36.7 | 12.4 | 11.1 | 36.1 | | | | | |
| G65.0 | 32.4 | 32.7 | 8.0 | 7.5 | 32.4 | | | | | |
| G66.0 | 29.1 | 29.1 | 5.6 | 5.3 | 29.1 | | | | | |
| G67.0 | 25.4 | 25.0 | 4.2 | 4.2 | 25.4 | | | | | |
| G68.0 | 22.1 | 22.1 | 3.0 | 3.2 | 22.1 | | | | | |
| G69.0 | 14.4 | 15.3 | 2.2 | 2.2 | 14.4 | | | | | |
| G70.0 | 9.3 | 9.9 | 1.9 | 1.9 | 9.3 | | | | | |
| G71.0 | 6.2 | 6.7 | 1.4 | 1.5 | 6.2 | | | | | |
| G72.0 | 4.6 | 4.7 | 0.9 | 0.7 | 4.6 | | | | | |
| G73.0 | 3.6 | 3.5 | 0.6 | 0.7 | 3.6 | | | | | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|------|-------|--------|--------|--------|--|--|--|--|--|
| G74.0 | 2.5 | 2.6 | 0.1 | 0.5 | 2.5 | | | | | |
| G75.0 | 2.0 | 2.0 | 0.0 | 0.3 | 2.0 | | | | | |
| G76.0 | 1.5 | 1.6 | 0.0 | 0.0 | 1.5 | | | | | |
| G77.0 | 1.0 | 1.2 | 0.0 | 0.0 | 1.0 | | | | | |
| G78.0 | 0.6 | 0.9 | 0.0 | 0.0 | 0.6 | | | | | |
| G79.0 | 0.6 | 0.6 | 0.0 | 0.0 | 0.6 | | | | | |
| G80.0 | 0.3 | 0.4 | 0.0 | 0.0 | 0.3 | | | | | |
| G81.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | | | | | |
| G82.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G83.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G84.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G85.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G86.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G87.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G88.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G89.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G91.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G92.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G93.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G94.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G95.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G96.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G97.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G98.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G99.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G101.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G102.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G103.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G104.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G105.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G106.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G107.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G108.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G109.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G110.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|------|-------|--------|--------|--------|--|--|--|--|--|
| G111.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | | | | | |
| G112.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G113.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| G114.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | | | | | |
| G115.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | | | | | |
| G116.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | | | | | |
| G117.0 | 0.0 | 0.1 | 0.0 | 0.3 | 0.0 | | | | | |
| G118.0 | 0.0 | 0.3 | 0.0 | 0.4 | 0.0 | | | | | |
| G119.0 | 0.1 | 0.1 | 0.0 | 0.4 | 0.1 | | | | | |
| G120.0 | 0.1 | 0.3 | 0.0 | 0.5 | 0.1 | | | | | |
| G121.0 | 0.3 | 0.4 | 0.1 | 0.7 | 0.3 | | | | | |
| G122.0 | 0.4 | 0.5 | 0.3 | 0.9 | 0.4 | | | | | |
| G123.0 | 0.3 | 0.3 | 0.3 | 0.6 | 0.3 | | | | | |
| G124.0 | 0.4 | 0.6 | 0.5 | 1.0 | 0.4 | | | | | |
| G125.0 | 0.4 | 0.5 | 0.6 | 0.9 | 0.4 | | | | | |
| G126.0 | 0.5 | 0.6 | 0.6 | 1.1 | 0.5 | | | | | |
| G127.0 | 0.6 | 0.7 | 0.7 | 1.2 | 0.6 | | | | | |
| G128.0 | 0.9 | 0.9 | 0.9 | 1.4 | 0.9 | | | | | |
| G129.0 | 1.0 | 1.0 | 1.1 | 1.6 | 1.0 | | | | | |
| G130.0 | 1.1 | 1.0 | 1.5 | 1.7 | 1.1 | | | | | |
| G131.0 | 1.0 | 1.0 | 1.6 | 1.9 | 1.0 | | | | | |
| G132.0 | 1.4 | 1.4 | 1.7 | 2.2 | 1.4 | | | | | |
| G133.0 | 1.5 | 1.6 | 2.1 | 2.5 | 1.5 | | | | | |
| G134.0 | 1.6 | 1.6 | 2.2 | 2.8 | 1.6 | | | | | |
| G135.0 | 1.7 | 1.7 | 2.7 | 3.1 | 1.7 | | | | | |
| G136.0 | 2.2 | 2.0 | 3.1 | 3.3 | 2.2 | | | | | |
| G137.0 | 2.1 | 2.3 | 3.2 | 4.0 | 2.1 | | | | | |
| G138.0 | 2.5 | 2.7 | 3.7 | 4.3 | 2.5 | | | | | |
| G139.0 | 2.8 | 3.0 | 4.1 | 4.6 | 2.8 | | | | | |
| G140.0 | 3.1 | 3.1 | 4.4 | 4.9 | 3.1 | | | | | |
| G141.0 | 3.5 | 3.3 | 4.8 | 5.4 | 3.5 | | | | | |
| G142.0 | 3.7 | 4.0 | 5.3 | 5.9 | 3.7 | | | | | |
| G143.0 | 4.3 | 4.2 | 5.8 | 6.3 | 4.3 | | | | | |
| G144.0 | 4.6 | 4.6 | 6.3 | 6.9 | 4.6 | | | | | |
| G145.0 | 5.1 | 4.9 | 6.9 | 7.2 | 5.1 | | | | | |
| G146.0 | 5.3 | 5.3 | 7.1 | 7.8 | 5.3 | | | | | |
| G147.0 | 5.8 | 5.8 | 7.7 | 8.3 | 5.8 | | | | | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|------|-------|--------|--------|--------|--|--|--|--|--|
| G148.0 | 6.3 | 6.1 | 8.0 | 8.8 | 6.3 | | | | | |
| G149.0 | 6.8 | 6.7 | 8.8 | 9.1 | 6.8 | | | | | |
| G150.0 | 7.1 | 7.3 | 9.0 | 9.6 | 7.1 | | | | | |
| G151.0 | 7.5 | 7.7 | 9.4 | 10.0 | 7.5 | | | | | |
| G152.0 | 8.0 | 7.9 | 9.8 | 10.6 | 8.0 | | | | | |
| G153.0 | 8.4 | 8.5 | 10.1 | 10.8 | 8.4 | | | | | |
| G154.0 | 8.9 | 8.9 | 10.4 | 11.4 | 8.9 | | | | | |
| G155.0 | 9.3 | 9.4 | 10.9 | 11.6 | 9.3 | | | | | |
| G156.0 | 9.6 | 9.8 | 11.4 | 11.9 | 9.6 | | | | | |
| G157.0 | 10.1 | 10.3 | 11.6 | 12.2 | 10.1 | | | | | |
| G158.0 | 10.5 | 10.5 | 11.8 | 12.4 | 10.5 | | | | | |
| G159.0 | 10.8 | 10.9 | 12.1 | 12.6 | 10.8 | | | | | |
| G160.0 | 11.1 | 11.1 | 12.1 | 12.7 | 11.1 | | | | | |
| G161.0 | 11.4 | 11.4 | 12.2 | 13.1 | 11.4 | | | | | |
| G162.0 | 11.8 | 11.9 | 12.4 | 13.1 | 11.8 | | | | | |
| G163.0 | 11.9 | 12.1 | 12.6 | 13.2 | 11.9 | | | | | |
| G164.0 | 12.0 | 12.2 | 12.6 | 13.4 | 12.0 | | | | | |
| G165.0 | 12.1 | 12.4 | 12.7 | 13.4 | 12.1 | | | | | |
| G166.0 | 12.2 | 12.7 | 12.4 | 13.2 | 12.2 | | | | | |
| G167.0 | 12.4 | 12.6 | 12.5 | 13.2 | 12.4 | | | | | |
| G168.0 | 12.7 | 12.6 | 12.5 | 13.2 | 12.7 | | | | | |
| G169.0 | 12.5 | 12.9 | 12.2 | 13.2 | 12.5 | | | | | |
| G170.0 | 12.7 | 13.0 | 12.5 | 13.1 | 12.7 | | | | | |
| G171.0 | 12.7 | 12.7 | 12.4 | 13.1 | 12.7 | | | | | |
| G172.0 | 12.7 | 12.9 | 12.4 | 13.1 | 12.7 | | | | | |
| G173.0 | 12.9 | 13.0 | 12.5 | 13.0 | 12.9 | | | | | |
| G174.0 | 12.7 | 13.0 | 12.5 | 13.1 | 12.7 | | | | | |
| G175.0 | 12.9 | 12.9 | 12.4 | 13.2 | 12.9 | | | | | |
| G176.0 | 12.9 | 13.0 | 12.5 | 13.1 | 12.9 | | | | | |
| G177.0 | 12.7 | 13.1 | 12.6 | 13.2 | 12.7 | | | | | |
| G178.0 | 12.9 | 13.0 | 12.6 | 13.2 | 12.9 | | | | | |
| G179.0 | 13.0 | 13.2 | 12.7 | 13.2 | 13.0 | | | | | |
| G180.0 | 13.0 | 13.1 | 12.6 | 13.2 | 13.0 | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 10.144 m

Humidity:

Inspector: