

Report No.:

Test Time: 2022-02-23 17:29

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ADLED10W95-2T

Number of Lamps: 1

Luminous Length (mm): 95 mm

Luminous Height (mm): 0 mm

Current: 0.045 A

Power Factor: 0.949

Lamp Catalog: 3000K

Lumens per Lamp: 941.0 lm

Luminous Width (mm): 95 mm

Voltage: 233.1 V

Power: 9.84 W

Photometric Results

CIE Class: Direct

Measurement Flux: 941 lm

Downward Ratio: 100.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 149.7, 149.2, 146.1, 150.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 102.1, 102.1, 101.9, 102.0

Luminaire Efficacy Rating (LER): 95.68

Max. Intensity: 390.36 cd

S/MH(C0/C180): 1.20

Total Rated Lamp Lumens: 941.0 lm

Efficiency: 100.00%

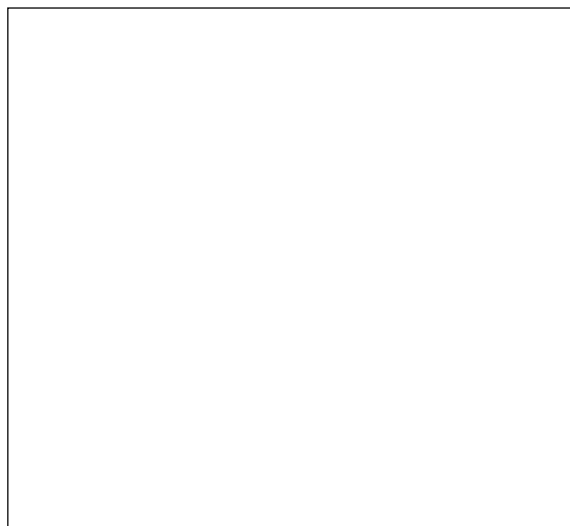
Upward Ratio: 0.00%

Central Intensity: 389.99 cd

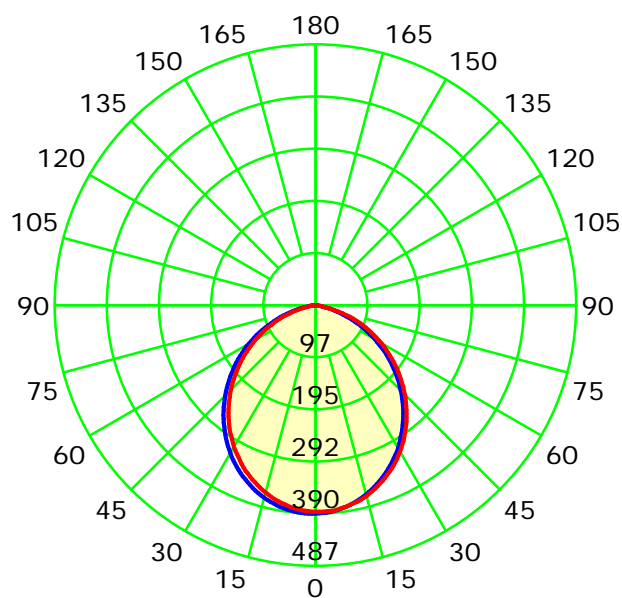
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.20

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature: 25°C

Operator: YAN

Gamma Plane (°):0.0-90.0: 1.0

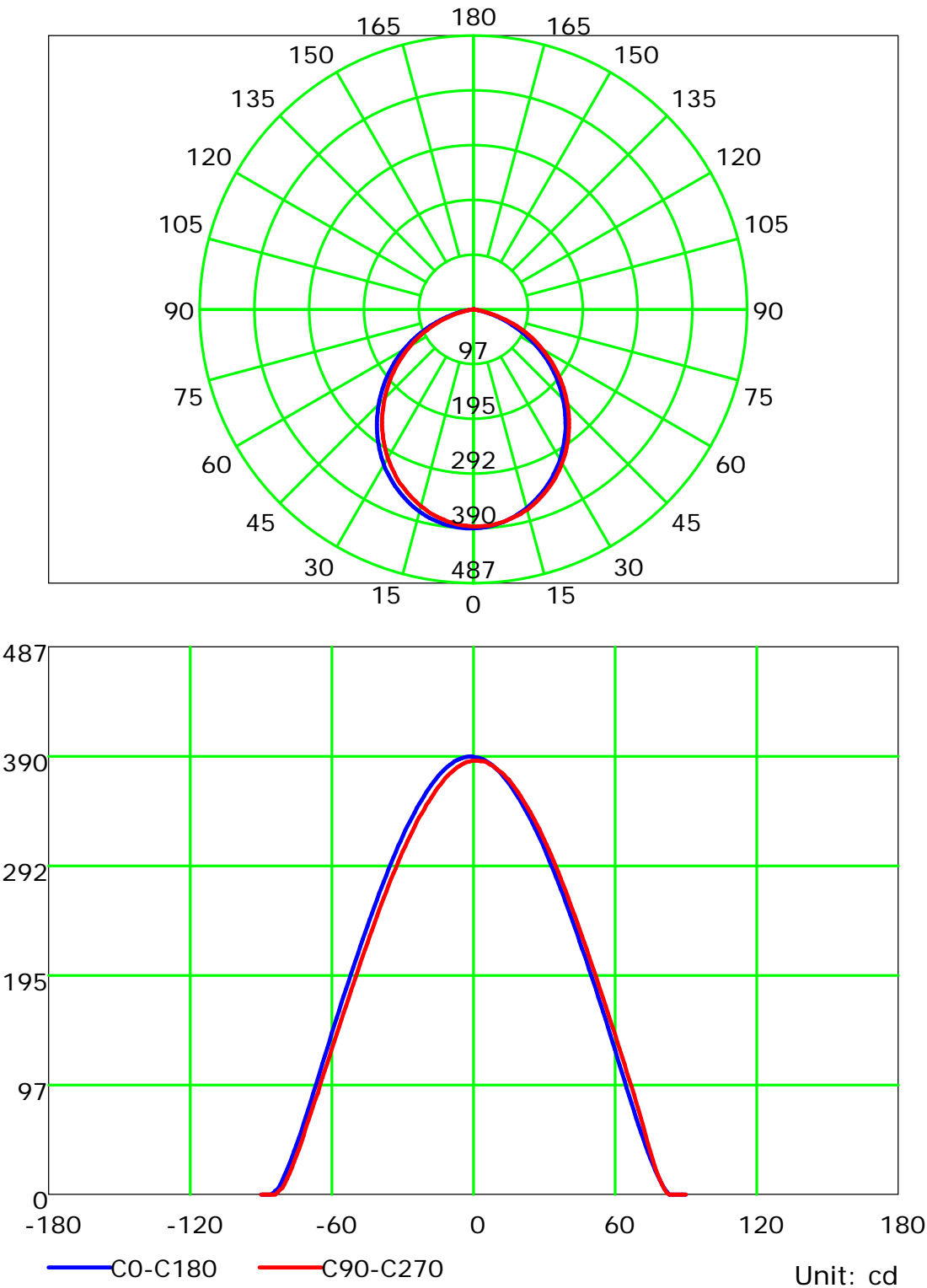
Test Device: GPM-1600

Distance: 8.450 m

Humidity: 50%

Inspector:

Luminous Intensity Distribution Curve



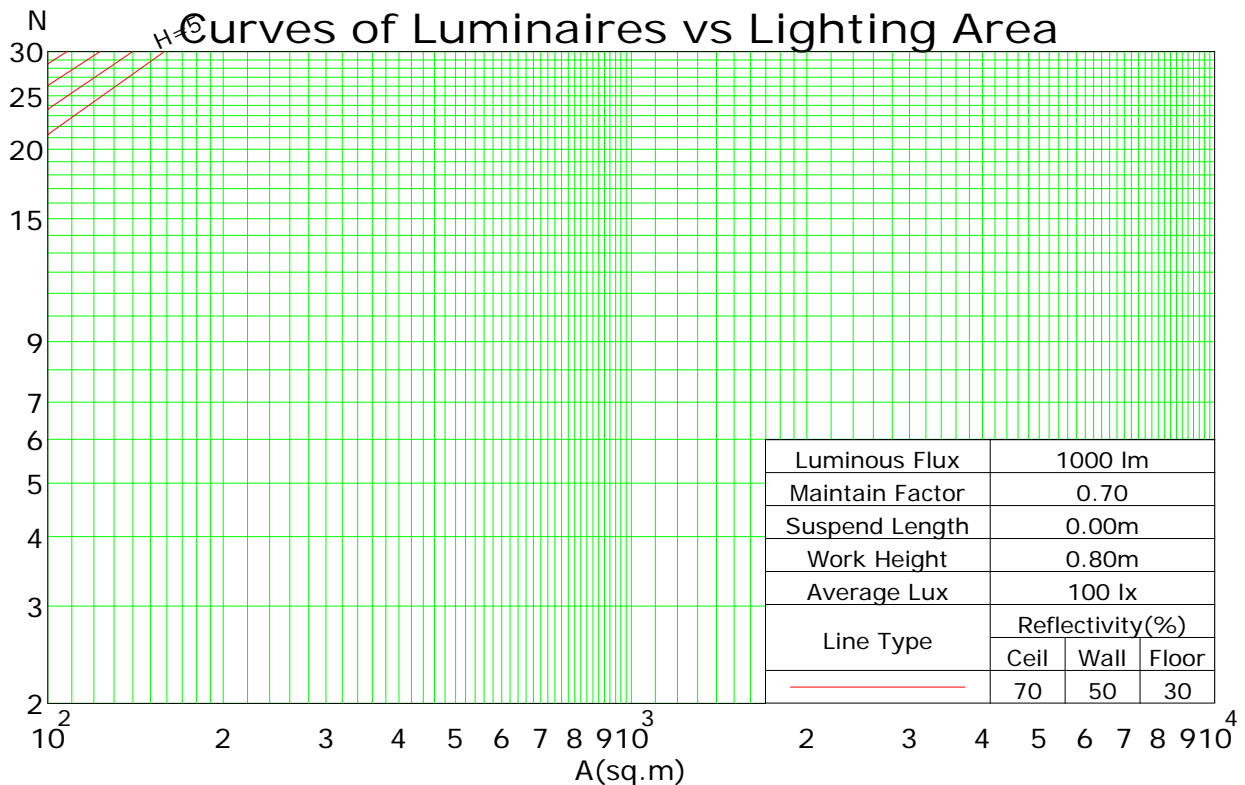
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
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 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 99 | 107 | 104 | 100 | 97 | 99 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 76 | 73 |
| 3 | 92 | 83 | 75 | 69 | 90 | 81 | 74 | 68 | 78 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 63 |
| 4 | 85 | 74 | 65 | 59 | 83 | 72 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 65 | 60 | 56 | 54 |
| 5 | 78 | 66 | 57 | 51 | 76 | 65 | 57 | 51 | 63 | 56 | 50 | 61 | 55 | 50 | 59 | 54 | 49 | 47 |
| 6 | 72 | 60 | 51 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 42 |
| 7 | 67 | 54 | 46 | 40 | 66 | 53 | 45 | 40 | 52 | 45 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 37 |
| 8 | 63 | 50 | 41 | 36 | 61 | 49 | 41 | 36 | 48 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 59 | 46 | 38 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 27 |

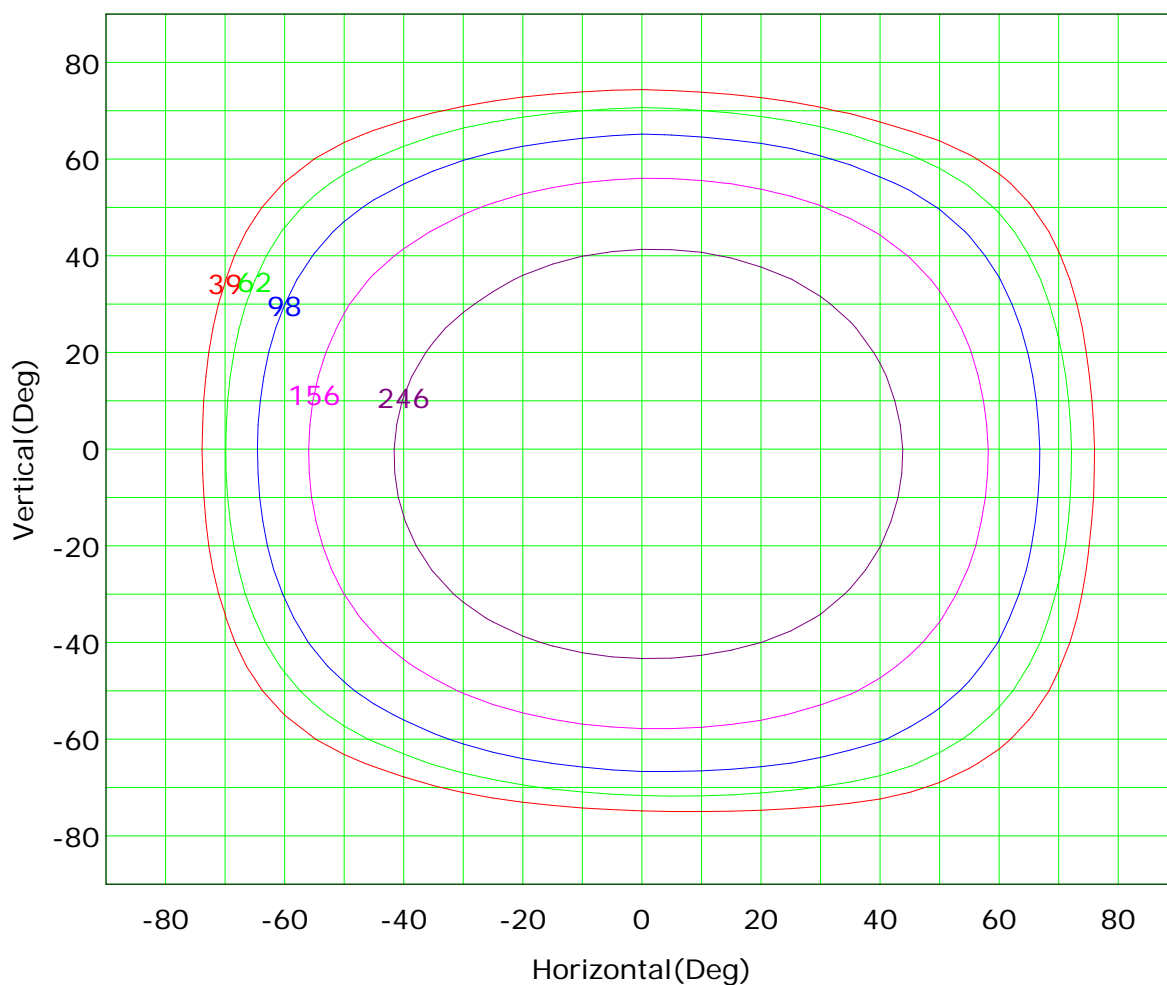
Spacing Criteria (0-180): 1.20
 Spacing Criteria (90-270): 1.20
 Spacing Criteria (Diagonal): 1.30



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 Inspector:

Isocandela (rectangle)



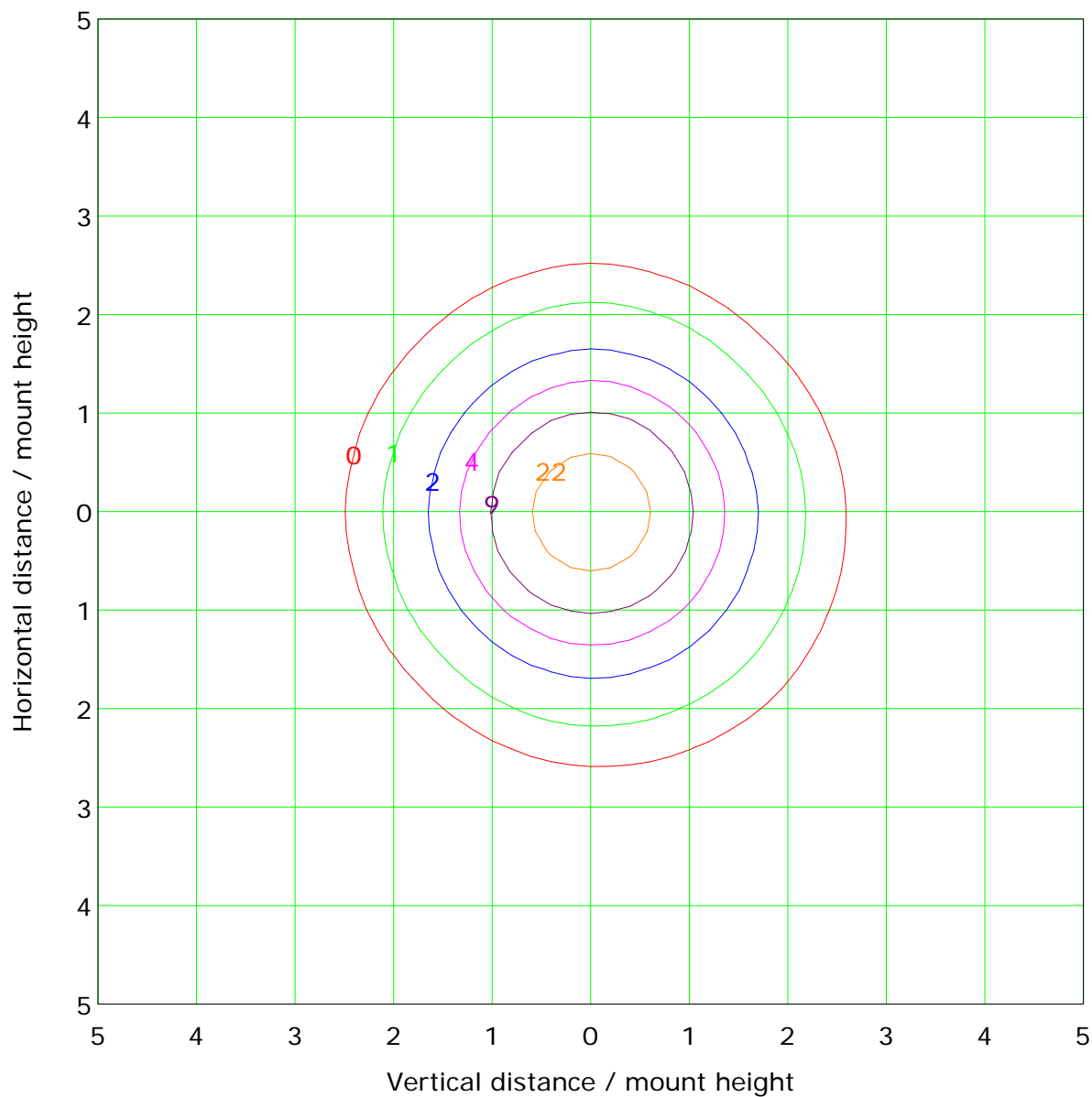
I_{max} (100%): 390 cd

| | | | |
|---------|--------|---------|--------|
| (10%): | 39 cd | (16%): | 62 cd |
| (25%): | 98 cd | (40%): | 156 cd |
| (63%): | 246 cd | (100%): | 390 cd |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 Inspector:

IsoLux Plot



| | | | |
|-----------------------|---------|------------------------|---------|
| Mounting Height: 3.0m | | Max Lux(100%): 43.4 lx | |
| (1%): | 0.4 lx | (2%): | 0.9 lx |
| (5%): | 2.2 lx | (10%): | 4.3 lx |
| (20%): | 8.7 lx | (50%): | 21.7 lx |
| (100%): | 43.4 lx | | |

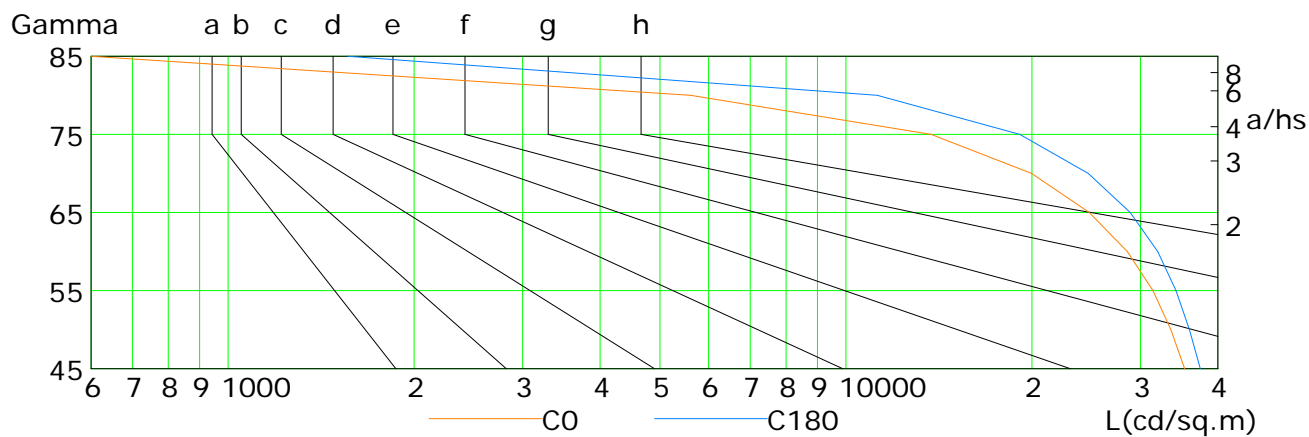
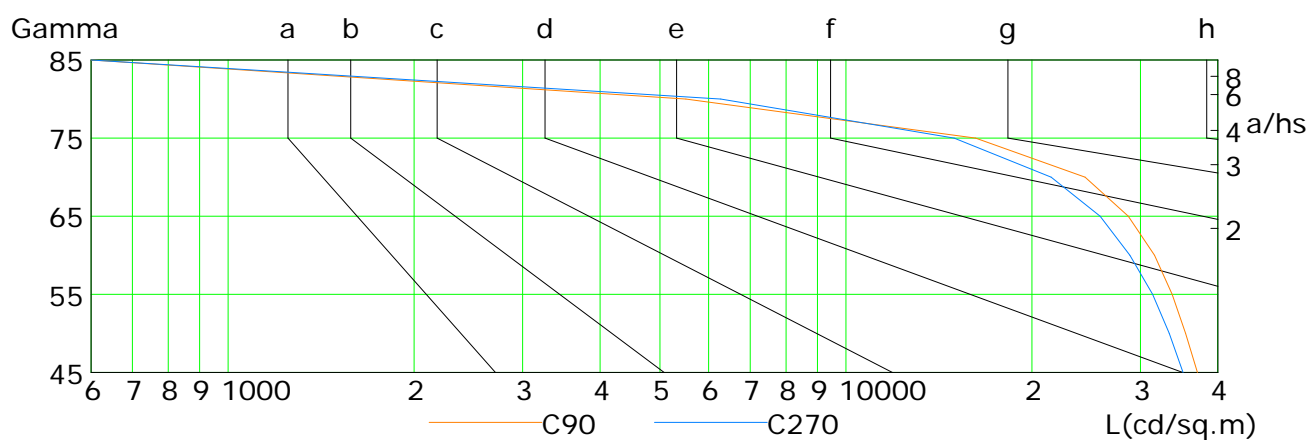
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
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

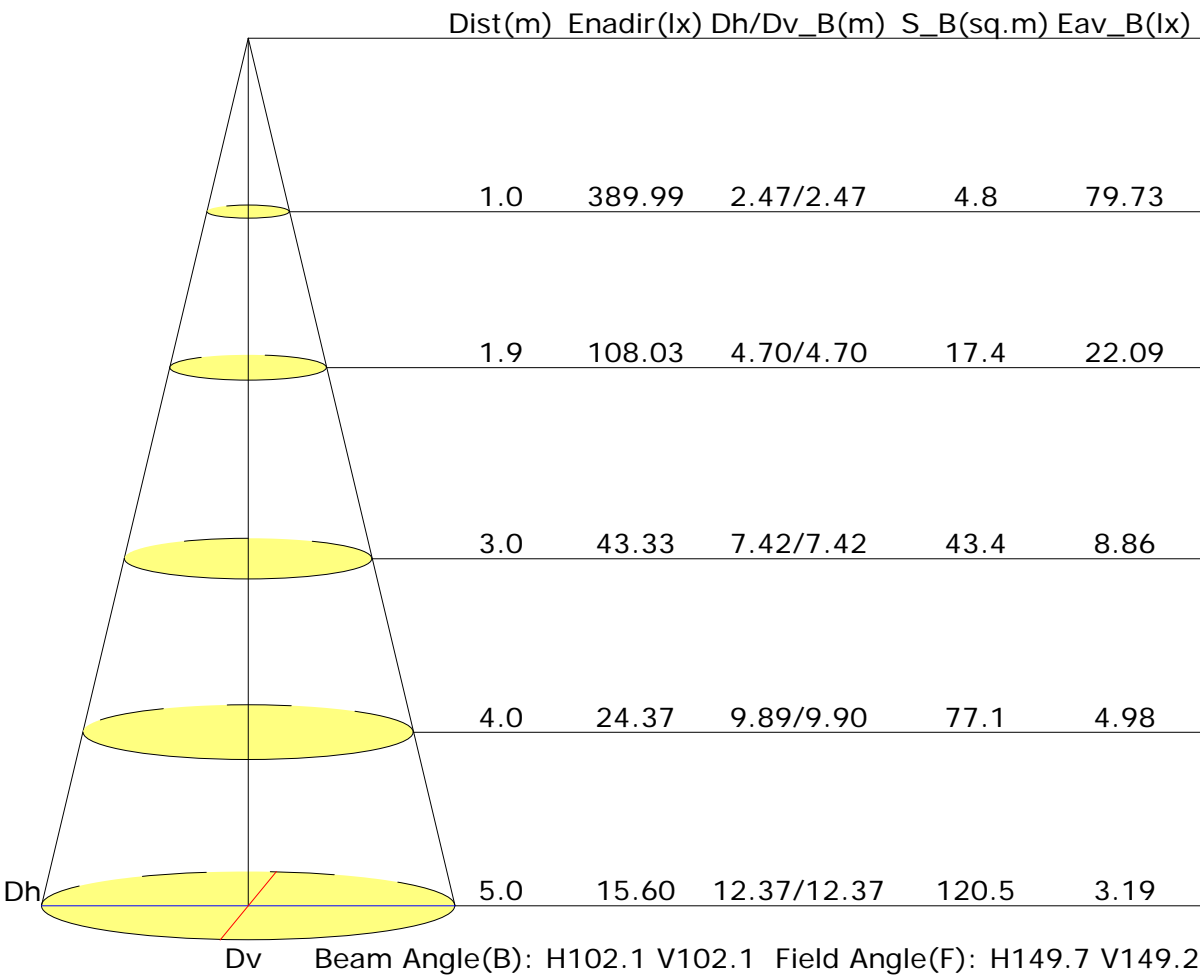


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| C0 | 35366 | 33585 | 31411 | 28554 | 24787 | 19976 | 13747 | 5609 | 0 |
| C90 | 37069 | 35488 | 33727 | 31592 | 28664 | 24382 | 16221 | 5513 | 0 |
| C180 | 37478 | 35993 | 34222 | 31998 | 28866 | 24686 | 19128 | 11250 | 1564 |
| C270 | 35127 | 33388 | 31382 | 28824 | 25791 | 21486 | 14975 | 6279 | 0 |

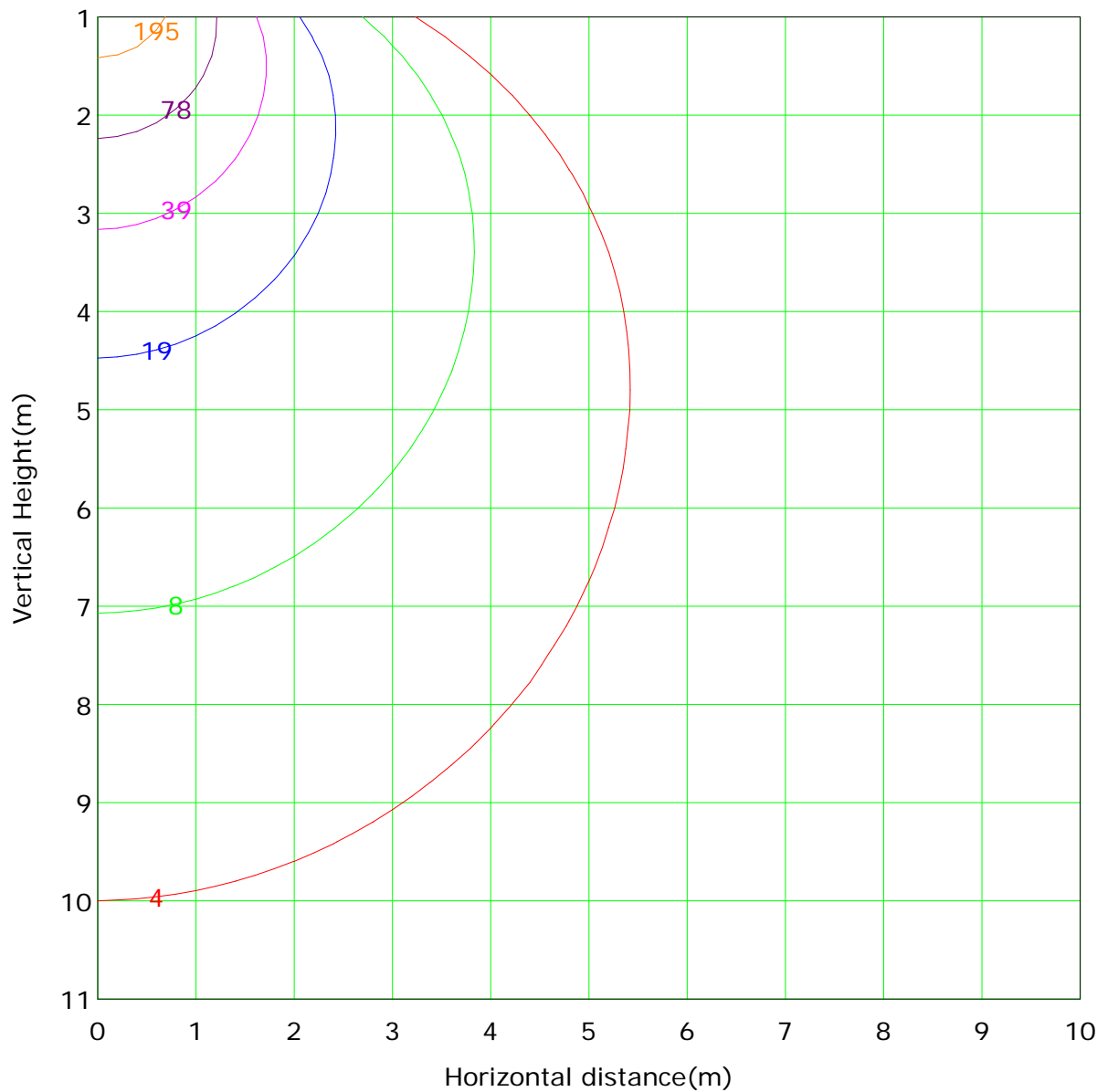
C Plane (°): 0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | | |
|------------------|-------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 390.0 lx |
| (1%): 3.9 lx | (2%): 7.8 lx | |
| (5%): 19.5 lx | (10%): 39.0 lx | |
| (20%): 78.0 lx | (50%): 195.0 lx | |
| (100%): 390.0 lx | | |

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

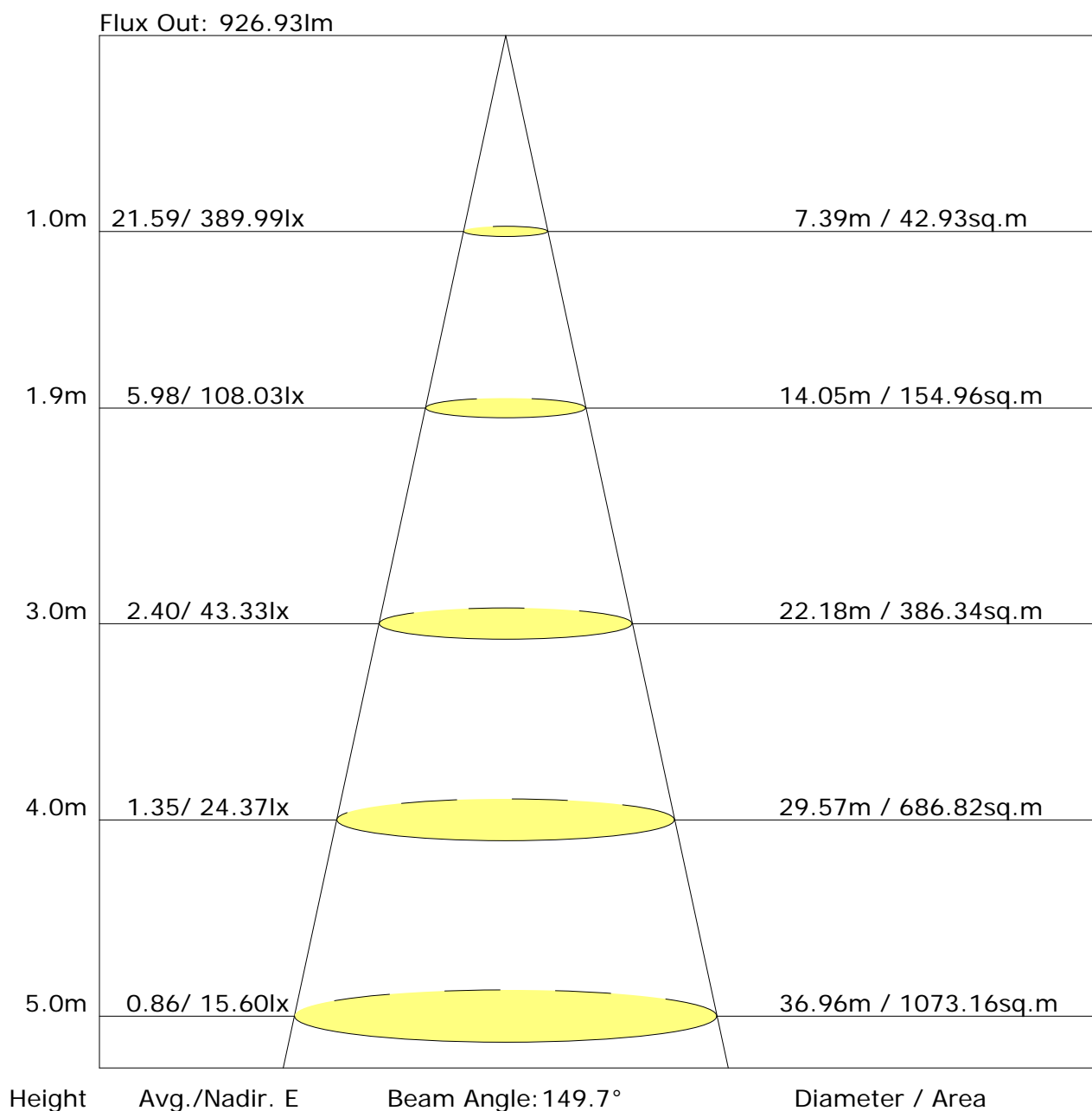
Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector:

Unit: 1m

Horizontal plane

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 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 | 24.3 | 25.7 | 24.6 | 25.9 | 26.1 | 24.5 | 25.8 | 24.8 | 26.1 | 26.3 |
| 3H | 25.3 | 26.5 | 25.6 | 26.8 | 27.0 | 25.6 | 26.8 | 26.0 | 27.1 | 27.4 |
| 4H | 25.5 | 26.7 | 25.9 | 26.9 | 27.2 | 25.9 | 27.0 | 26.2 | 27.3 | 27.6 |
| 6H | 25.6 | 26.6 | 25.9 | 26.9 | 27.2 | 25.9 | 26.9 | 26.3 | 27.3 | 27.6 |
| 8H | 25.5 | 26.5 | 25.9 | 26.8 | 27.2 | 25.9 | 26.9 | 26.2 | 27.2 | 27.5 |
| 12H | 25.5 | 26.4 | 25.9 | 26.8 | 27.1 | 25.8 | 26.8 | 26.2 | 27.1 | 27.5 |
| X=4H Y=2H | 24.8 | 26.0 | 25.2 | 26.2 | 26.5 | 25.0 | 26.1 | 25.3 | 26.4 | 26.7 |
| 3H | 25.9 | 26.9 | 26.3 | 27.2 | 27.6 | 26.2 | 27.2 | 26.6 | 27.5 | 27.8 |
| 4H | 26.2 | 27.1 | 26.6 | 27.4 | 27.8 | 26.5 | 27.4 | 26.9 | 27.7 | 28.1 |
| 6H | 26.3 | 27.0 | 26.7 | 27.4 | 27.8 | 26.6 | 27.3 | 27.0 | 27.7 | 28.1 |
| 8H | 26.2 | 26.9 | 26.7 | 27.3 | 27.7 | 26.5 | 27.2 | 27.0 | 27.6 | 28.0 |
| 12H | 26.2 | 26.8 | 26.6 | 27.2 | 27.7 | 26.5 | 27.1 | 27.0 | 27.5 | 28.0 |
| X=8H Y=4H | 26.3 | 26.9 | 26.7 | 27.3 | 27.8 | 26.6 | 27.2 | 27.0 | 27.6 | 28.1 |
| 6H | 26.3 | 26.9 | 26.8 | 27.3 | 27.8 | 26.6 | 27.2 | 27.1 | 27.6 | 28.1 |
| 8H | 26.3 | 26.8 | 26.8 | 27.2 | 27.7 | 26.6 | 27.1 | 27.1 | 27.5 | 28.0 |
| 12H | 26.3 | 26.7 | 26.8 | 27.1 | 27.6 | 26.6 | 27.0 | 27.1 | 27.4 | 28.0 |
| X=12H Y=4H | 26.2 | 26.8 | 26.7 | 27.3 | 27.7 | 26.5 | 27.1 | 27.0 | 27.6 | 28.0 |
| 6H | 26.3 | 26.8 | 26.8 | 27.2 | 27.7 | 26.6 | 27.1 | 27.1 | 27.5 | 28.0 |
| 8H | 26.3 | 26.7 | 26.8 | 27.1 | 27.7 | 26.6 | 27.0 | 27.1 | 27.5 | 28.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | +0.2/-0.3 | | | | | +0.2/-0.3 | | | | |
| S=1.5H | +0.5/-0.8 | | | | | +0.4/-0.8 | | | | |
| S=2.0H | +1.0/-1.6 | | | | | +0.8/-1.4 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 941lm ($8\log(F/F_0) = -0.2$).

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector:

Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F) | | | SHR NOM = 1.50 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance | | | Room Index(RI) | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70 | 0.50 | 0.20 | 0.65 | 0.73 | 0.80 | 0.85 | 0.92 | 0.97 | 1.00 | 1.04 | 1.06 |
| | 0.30 | | 0.58 | 0.66 | 0.74 | 0.79 | 0.87 | 0.92 | 0.95 | 1.00 | 1.03 |
| | 0.20 | | 0.53 | 0.61 | 0.69 | 0.75 | 0.82 | 0.88 | 0.92 | 0.97 | 1.01 |
| 0.50 | 0.50 | 0.20 | 0.63 | 0.71 | 0.78 | 0.83 | 0.89 | 0.93 | 0.96 | 1.00 | 1.02 |
| | 0.30 | | 0.57 | 0.65 | 0.72 | 0.78 | 0.85 | 0.89 | 0.92 | 0.97 | 1.00 |
| | 0.20 | | 0.52 | 0.60 | 0.68 | 0.73 | 0.81 | 0.86 | 0.89 | 0.94 | 0.97 |
| 0.30 | 0.50 | 0.20 | 0.62 | 0.69 | 0.76 | 0.80 | 0.86 | 0.90 | 0.93 | 0.96 | 0.98 |
| | 0.30 | | 0.56 | 0.64 | 0.71 | 0.76 | 0.83 | 0.87 | 0.90 | 0.94 | 0.96 |
| | 0.20 | | 0.52 | 0.60 | 0.67 | 0.72 | 0.79 | 0.84 | 0.87 | 0.92 | 0.94 |
| 0.00 | 0.00 | 0.00 | 0.50 | 0.57 | 0.65 | 0.69 | 0.76 | 0.80 | 0.83 | 0.87 | 0.90 |
| <p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> | | | | | | | | | | | |

Utilisation Factor Table(Wall)

| Utilisation Factors UF(W) | | | SHR NOM = 1.50 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | 0.88 | 0.73 | 0.61 | 0.53 | 0.41 | 0.34 | 0.29 | 0.22 | 0.18 |
| | 0.30 | | 0.73 | 0.63 | 0.53 | 0.47 | 0.37 | 0.31 | 0.27 | 0.21 | 0.17 |
| | 0.20 | | 0.63 | 0.55 | 0.47 | 0.42 | 0.34 | 0.29 | 0.25 | 0.20 | 0.16 |
| 0.50 | 0.50 | 0.20 | 0.84 | 0.70 | 0.59 | 0.50 | 0.39 | 0.36 | 0.27 | 0.21 | 0.17 |
| | 0.30 | | 0.71 | 0.61 | 0.52 | 0.45 | 0.36 | 0.30 | 0.26 | 0.20 | 0.16 |
| | 0.20 | | 0.62 | 0.54 | 0.46 | 0.41 | 0.33 | 0.28 | 0.24 | 0.19 | 0.15 |
| 0.30 | 0.50 | 0.20 | 0.82 | 0.67 | 0.56 | 0.48 | 0.37 | 0.31 | 0.26 | 0.20 | 0.16 |
| | 0.30 | | 0.70 | 0.59 | 0.50 | 0.44 | 0.35 | 0.29 | 0.24 | 0.19 | 0.15 |
| | 0.20 | | 0.61 | 0.53 | 0.45 | 0.40 | 0.32 | 0.27 | 0.23 | 0.18 | 0.15 |
| 0.00 | 0.00 | 0.00 | 0.50 | 0.43 | 0.36 | 0.31 | 0.24 | 0.20 | 0.17 | 0.13 | 0.10 |
| <p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> | | | | | | | | | | | |

Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C) | | | SHR NOM = 1.50 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance | | | Room Index(RI) | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70 | 0.50 | 0.20 | 0.15 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |
| | 0.20 | | 0.05 | 0.07 | 0.08 | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 |
| 0.50 | 0.50 | 0.20 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |
| | 0.20 | | 0.05 | 0.07 | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.16 | 0.17 |
| 0.30 | 0.50 | 0.20 | 0.14 | 0.16 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.19 | 0.20 |
| | 0.30 | | 0.09 | 0.11 | 0.12 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 |
| | 0.20 | | 0.05 | 0.07 | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 |
| 0.00 | 0.00 | 0.00 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| <p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> | | | | | | | | | | | |

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 387.3 | 0.4 | 0.4 | 0.04 | 0.04 |
| 1.0-2.0 | 387.2 | 1.1 | 1.5 | 0.12 | 0.16 |
| 2.0-3.0 | 386.8 | 1.9 | 3.3 | 0.20 | 0.35 |
| 3.0-4.0 | 386.3 | 2.6 | 5.9 | 0.27 | 0.63 |
| 4.0-5.0 | 385.6 | 3.3 | 9.2 | 0.35 | 0.98 |
| 5.0-6.0 | 384.6 | 4.0 | 13.3 | 0.43 | 1.41 |
| 6.0-7.0 | 383.4 | 4.8 | 18.0 | 0.51 | 1.92 |
| 7.0-8.0 | 382.1 | 5.5 | 23.5 | 0.58 | 2.50 |
| 8.0-9.0 | 380.6 | 6.2 | 29.7 | 0.66 | 3.15 |
| 9.0-10.0 | 379.0 | 6.9 | 36.5 | 0.73 | 3.88 |
| 10.0-11.0 | 377.2 | 7.5 | 44.1 | 0.80 | 4.68 |
| 11.0-12.0 | 375.2 | 8.2 | 52.3 | 0.87 | 5.56 |
| 12.0-13.0 | 373.1 | 8.9 | 61.1 | 0.94 | 6.50 |
| 13.0-14.0 | 370.8 | 9.5 | 70.6 | 1.01 | 7.51 |
| 14.0-15.0 | 368.3 | 10.1 | 80.7 | 1.07 | 8.58 |
| 15.0-16.0 | 365.6 | 10.7 | 91.5 | 1.14 | 9.72 |
| 16.0-17.0 | 362.7 | 11.3 | 102.7 | 1.20 | 10.92 |
| 17.0-18.0 | 359.8 | 11.9 | 114.6 | 1.26 | 12.18 |
| 18.0-19.0 | 356.7 | 12.4 | 127.0 | 1.32 | 13.50 |
| 19.0-20.0 | 353.5 | 12.9 | 140.0 | 1.37 | 14.87 |
| 20.0-21.0 | 350.1 | 13.4 | 153.4 | 1.43 | 16.30 |
| 21.0-22.0 | 346.6 | 13.9 | 167.3 | 1.48 | 17.78 |
| 22.0-23.0 | 343.0 | 14.4 | 181.7 | 1.53 | 19.31 |
| 23.0-24.0 | 339.2 | 14.8 | 196.6 | 1.58 | 20.89 |
| 24.0-25.0 | 335.4 | 15.3 | 211.8 | 1.62 | 22.51 |
| 25.0-26.0 | 331.4 | 15.6 | 227.5 | 1.66 | 24.17 |
| 26.0-27.0 | 327.2 | 16.0 | 243.5 | 1.70 | 25.87 |
| 27.0-28.0 | 322.9 | 16.3 | 259.8 | 1.74 | 27.61 |
| 28.0-29.0 | 318.6 | 16.7 | 276.5 | 1.77 | 29.38 |
| 29.0-30.0 | 314.2 | 17.0 | 293.5 | 1.80 | 31.19 |
| 30.0-31.0 | 309.4 | 17.2 | 310.7 | 1.83 | 33.02 |
| 31.0-32.0 | 304.5 | 17.4 | 328.1 | 1.85 | 34.87 |
| 32.0-33.0 | 299.6 | 17.7 | 345.8 | 1.88 | 36.75 |
| 33.0-34.0 | 294.7 | 17.8 | 363.6 | 1.90 | 38.64 |
| 34.0-35.0 | 289.7 | 18.0 | 381.6 | 1.91 | 40.55 |
| 35.0-36.0 | 284.6 | 18.1 | 399.7 | 1.93 | 42.48 |

C Plane (°): 0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 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 | 279.2 | 18.2 | 417.9 | 1.94 | 44.41 |
| 37.0-38.0 | 273.9 | 18.3 | 436.2 | 1.94 | 46.36 |
| 38.0-39.0 | 268.5 | 18.3 | 454.6 | 1.95 | 48.31 |
| 39.0-40.0 | 262.7 | 18.3 | 472.9 | 1.95 | 50.25 |
| 40.0-41.0 | 257.0 | 18.3 | 491.2 | 1.95 | 52.20 |
| 41.0-42.0 | 251.4 | 18.3 | 509.5 | 1.94 | 54.14 |
| 42.0-43.0 | 245.6 | 18.2 | 527.6 | 1.93 | 56.07 |
| 43.0-44.0 | 239.7 | 18.1 | 545.7 | 1.92 | 58.00 |
| 44.0-45.0 | 233.8 | 18.0 | 563.7 | 1.91 | 59.91 |
| 45.0-46.0 | 227.8 | 17.8 | 581.5 | 1.89 | 61.80 |
| 46.0-47.0 | 221.7 | 17.6 | 599.2 | 1.87 | 63.67 |
| 47.0-48.0 | 215.6 | 17.4 | 616.6 | 1.85 | 65.53 |
| 48.0-49.0 | 209.5 | 17.2 | 633.8 | 1.83 | 67.35 |
| 49.0-50.0 | 203.3 | 17.0 | 650.8 | 1.80 | 69.16 |
| 50.0-51.0 | 197.1 | 16.7 | 667.4 | 1.77 | 70.93 |
| 51.0-52.0 | 190.6 | 16.4 | 683.8 | 1.74 | 72.67 |
| 52.0-53.0 | 184.1 | 16.0 | 699.8 | 1.70 | 74.37 |
| 53.0-54.0 | 177.7 | 15.7 | 715.5 | 1.66 | 76.03 |
| 54.0-55.0 | 171.4 | 15.3 | 730.8 | 1.63 | 77.66 |
| 55.0-56.0 | 164.9 | 14.9 | 745.7 | 1.58 | 79.24 |
| 56.0-57.0 | 158.3 | 14.5 | 760.2 | 1.54 | 80.78 |
| 57.0-58.0 | 151.7 | 14.0 | 774.2 | 1.49 | 82.27 |
| 58.0-59.0 | 145.0 | 13.6 | 787.7 | 1.44 | 83.71 |
| 59.0-60.0 | 138.2 | 13.1 | 800.8 | 1.39 | 85.10 |
| 60.0-61.0 | 131.5 | 12.5 | 813.3 | 1.33 | 86.43 |
| 61.0-62.0 | 124.7 | 12.0 | 825.4 | 1.28 | 87.71 |
| 62.0-63.0 | 118.0 | 11.5 | 836.8 | 1.22 | 88.93 |
| 63.0-64.0 | 111.3 | 10.9 | 847.8 | 1.16 | 90.09 |
| 64.0-65.0 | 104.5 | 10.3 | 858.1 | 1.10 | 91.19 |
| 65.0-66.0 | 97.7 | 9.7 | 867.9 | 1.04 | 92.23 |
| 66.0-67.0 | 91.1 | 9.2 | 877.0 | 0.97 | 93.20 |
| 67.0-68.0 | 84.5 | 8.6 | 885.6 | 0.91 | 94.11 |
| 68.0-69.0 | 77.8 | 7.9 | 893.5 | 0.84 | 94.95 |
| 69.0-70.0 | 71.0 | 7.3 | 900.8 | 0.78 | 95.73 |
| 70.0-71.0 | 64.3 | 6.6 | 907.5 | 0.71 | 96.44 |
| 71.0-72.0 | 57.5 | 6.0 | 913.4 | 0.64 | 97.07 |

C Plane (°): 0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 Inspector:

Zonal Lumen (Continue 2)

[illegible]

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 | |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G0.0 | 390.0 | 388.1 | 386.5 | 384.8 | 390.0 | 388.1 | 386.5 | 384.8 | 390.0 | |
| G1.0 | 389.6 | 388.0 | 386.7 | 385.6 | 390.4 | 387.6 | 386.3 | 384.4 | 389.6 | |
| G2.0 | 389.3 | 387.7 | 386.7 | 385.8 | 390.2 | 387.4 | 385.6 | 383.5 | 389.3 | |
| G3.0 | 388.5 | 387.4 | 386.1 | 385.2 | 389.9 | 387.0 | 385.4 | 383.1 | 388.5 | |
| G4.0 | 387.9 | 387.2 | 386.2 | 385.3 | 389.5 | 386.1 | 384.3 | 382.2 | 387.9 | |
| G5.0 | 386.8 | 385.7 | 385.9 | 385.0 | 388.9 | 385.4 | 383.2 | 380.6 | 386.8 | |
| G6.0 | 385.5 | 384.7 | 384.7 | 384.0 | 388.1 | 384.4 | 381.8 | 379.2 | 385.5 | |
| G7.0 | 384.0 | 383.5 | 383.3 | 383.5 | 387.1 | 382.9 | 380.7 | 377.5 | 384.0 | |
| G8.0 | 382.6 | 382.3 | 382.2 | 381.8 | 386.1 | 381.5 | 378.6 | 375.7 | 382.6 | |
| G9.0 | 380.7 | 380.7 | 380.9 | 381.1 | 384.4 | 380.0 | 376.9 | 373.8 | 380.7 | |
| G10.0 | 378.8 | 379.2 | 379.2 | 380.1 | 383.1 | 378.1 | 375.2 | 371.9 | 378.8 | |
| G11.0 | 376.7 | 377.2 | 377.4 | 378.0 | 381.4 | 376.0 | 373.1 | 369.7 | 376.7 | |
| G12.0 | 374.4 | 375.5 | 375.9 | 376.4 | 379.4 | 374.0 | 371.1 | 367.1 | 374.4 | |
| G13.0 | 371.8 | 373.1 | 374.2 | 375.0 | 377.4 | 371.8 | 368.4 | 364.8 | 371.8 | |
| G14.0 | 369.3 | 370.7 | 371.5 | 372.6 | 375.3 | 369.2 | 365.5 | 361.9 | 369.3 | |
| G15.0 | 366.4 | 368.2 | 369.8 | 370.2 | 372.9 | 366.6 | 363.0 | 359.1 | 366.4 | |
| G16.0 | 363.5 | 365.5 | 366.6 | 367.4 | 370.1 | 363.9 | 360.0 | 356.0 | 363.5 | |
| G17.0 | 360.4 | 362.6 | 364.2 | 365.0 | 367.7 | 361.0 | 356.7 | 353.0 | 360.4 | |
| G18.0 | 357.1 | 359.6 | 361.2 | 362.8 | 364.7 | 357.9 | 353.4 | 349.6 | 357.1 | |
| G19.0 | 353.8 | 356.5 | 358.3 | 359.7 | 361.6 | 354.6 | 350.0 | 346.7 | 353.8 | |
| G20.0 | 350.2 | 353.2 | 354.9 | 356.7 | 358.4 | 351.2 | 347.1 | 342.6 | 350.2 | |
| G21.0 | 346.6 | 349.9 | 351.6 | 353.9 | 355.2 | 347.9 | 343.2 | 338.7 | 346.6 | |
| G22.0 | 342.9 | 346.2 | 348.1 | 350.3 | 351.6 | 344.3 | 339.6 | 335.0 | 342.9 | |
| G23.0 | 339.0 | 342.5 | 344.6 | 347.1 | 348.1 | 340.7 | 336.4 | 331.2 | 339.0 | |
| G24.0 | 335.2 | 338.5 | 341.2 | 343.4 | 344.5 | 336.6 | 332.3 | 326.9 | 335.2 | |
| G25.0 | 331.3 | 334.6 | 337.4 | 340.5 | 340.5 | 332.6 | 327.9 | 322.9 | 331.3 | |
| G26.0 | 326.7 | 330.6 | 333.4 | 336.7 | 336.5 | 328.5 | 323.4 | 318.8 | 326.7 | |
| G27.0 | 322.5 | 326.6 | 329.3 | 332.2 | 332.4 | 324.1 | 319.0 | 314.2 | 322.5 | |
| G28.0 | 317.8 | 322.3 | 325.3 | 328.0 | 328.5 | 319.6 | 314.8 | 309.7 | 317.8 | |
| G29.0 | 313.9 | 317.8 | 320.6 | 324.3 | 324.6 | 315.4 | 310.2 | 305.0 | 313.9 | |
| G30.0 | 308.9 | 313.2 | 316.3 | 319.4 | 319.5 | 311.4 | 306.0 | 300.1 | 308.9 | |
| G31.0 | 303.4 | 308.5 | 311.6 | 315.0 | 314.6 | 306.5 | 301.0 | 295.0 | 303.4 | |
| G32.0 | 298.3 | 303.8 | 306.9 | 310.5 | 310.4 | 300.9 | 295.8 | 289.9 | 298.3 | |
| G33.0 | 293.5 | 298.8 | 302.4 | 305.7 | 305.1 | 296.1 | 290.8 | 285.1 | 293.5 | |
| G34.0 | 288.7 | 293.6 | 297.3 | 300.8 | 300.4 | 291.0 | 286.2 | 279.6 | 288.7 | |
| G35.0 | 283.1 | 288.6 | 292.3 | 296.7 | 295.0 | 287.0 | 281.1 | 274.5 | 283.1 | |
| G36.0 | 277.8 | 283.2 | 287.1 | 291.5 | 290.1 | 281.3 | 275.6 | 269.0 | 277.8 | |

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 | |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G37.0 | 272.5 | 277.8 | 281.8 | 285.9 | 284.5 | 275.3 | 270.0 | 263.6 | 272.5 | |
| G38.0 | 267.3 | 273.2 | 276.2 | 281.1 | 279.2 | 270.5 | 264.7 | 258.1 | 267.3 | |
| G39.0 | 261.0 | 267.7 | 271.0 | 275.5 | 273.6 | 264.9 | 259.1 | 252.4 | 261.0 | |
| G40.0 | 255.3 | 261.1 | 265.3 | 269.7 | 268.3 | 258.5 | 253.6 | 246.5 | 255.3 | |
| G41.0 | 249.8 | 255.3 | 259.6 | 264.5 | 262.5 | 253.7 | 248.0 | 240.6 | 249.8 | |
| G42.0 | 243.9 | 249.6 | 253.8 | 259.1 | 256.8 | 248.3 | 241.8 | 235.2 | 243.9 | |
| G43.0 | 237.9 | 243.3 | 248.2 | 253.4 | 250.7 | 242.4 | 235.7 | 229.2 | 237.9 | |
| G44.0 | 232.1 | 237.7 | 242.3 | 247.8 | 245.1 | 236.2 | 230.1 | 222.8 | 232.1 | |
| G45.0 | 225.7 | 231.6 | 236.6 | 241.6 | 239.2 | 230.7 | 224.2 | 217.0 | 225.7 | |
| G46.0 | 219.4 | 225.6 | 230.4 | 236.2 | 233.3 | 223.5 | 218.4 | 210.9 | 219.4 | |
| G47.0 | 213.7 | 219.6 | 224.5 | 230.0 | 227.2 | 217.6 | 212.3 | 204.9 | 213.7 | |
| G48.0 | 207.6 | 213.1 | 218.3 | 224.4 | 221.1 | 211.4 | 206.0 | 198.7 | 207.6 | |
| G49.0 | 201.0 | 206.5 | 212.4 | 218.2 | 214.9 | 206.4 | 199.8 | 192.5 | 201.0 | |
| G50.0 | 194.8 | 200.0 | 205.9 | 212.2 | 208.8 | 200.4 | 193.7 | 186.0 | 194.8 | |
| G51.0 | 188.7 | 193.3 | 199.9 | 205.7 | 202.4 | 194.0 | 187.5 | 179.8 | 188.7 | |
| G52.0 | 182.3 | 186.5 | 193.7 | 199.4 | 196.0 | 186.0 | 181.1 | 173.3 | 182.3 | |
| G53.0 | 175.6 | 179.6 | 187.3 | 193.4 | 189.8 | 179.4 | 174.8 | 167.1 | 175.6 | |
| G54.0 | 169.4 | 172.8 | 181.0 | 187.3 | 183.6 | 173.4 | 168.3 | 160.8 | 169.4 | |
| G55.0 | 162.6 | 165.7 | 174.6 | 181.0 | 177.1 | 167.4 | 162.4 | 155.6 | 162.6 | |
| G56.0 | 156.1 | 158.7 | 168.2 | 173.7 | 170.7 | 159.9 | 155.7 | 149.3 | 156.1 | |
| G57.0 | 149.6 | 151.4 | 161.8 | 168.3 | 164.0 | 153.2 | 149.5 | 142.5 | 149.6 | |
| G58.0 | 142.5 | 144.3 | 155.3 | 162.1 | 157.6 | 145.7 | 143.1 | 136.7 | 142.5 | |
| G59.0 | 135.3 | 138.2 | 148.9 | 154.3 | 151.0 | 139.1 | 136.7 | 128.4 | 135.3 | |
| G60.0 | 128.9 | 131.3 | 142.6 | 148.0 | 144.4 | 131.9 | 130.1 | 121.9 | 128.9 | |
| G61.0 | 121.9 | 123.9 | 136.0 | 141.5 | 137.3 | 124.6 | 123.8 | 115.4 | 121.9 | |
| G62.0 | 115.1 | 116.8 | 129.3 | 135.1 | 130.4 | 117.7 | 117.3 | 109.1 | 115.1 | |
| G63.0 | 108.3 | 109.8 | 122.8 | 128.5 | 123.7 | 110.9 | 110.9 | 102.7 | 108.3 | |
| G64.0 | 101.4 | 102.4 | 116.1 | 122.0 | 116.9 | 103.5 | 104.4 | 96.2 | 101.4 | |
| G65.0 | 94.5 | 95.2 | 109.3 | 115.3 | 110.1 | 96.7 | 98.4 | 89.8 | 94.5 | |
| G66.0 | 88.0 | 87.8 | 102.6 | 108.8 | 103.2 | 89.4 | 90.3 | 83.4 | 88.0 | |
| G67.0 | 81.3 | 81.3 | 96.2 | 103.8 | 96.6 | 82.1 | 85.3 | 76.9 | 81.3 | |
| G68.0 | 74.6 | 73.9 | 89.3 | 97.1 | 89.7 | 74.8 | 78.8 | 70.8 | 74.6 | |
| G69.0 | 68.2 | 66.9 | 82.4 | 90.3 | 83.1 | 67.3 | 72.6 | 64.3 | 68.2 | |
| G70.0 | 61.7 | 60.1 | 75.3 | 83.7 | 76.2 | 60.2 | 66.3 | 58.2 | 61.7 | |
| G71.0 | 55.5 | 53.0 | 68.0 | 76.8 | 69.8 | 52.3 | 60.1 | 51.9 | 55.5 | |
| G72.0 | 49.3 | 45.9 | 60.5 | 70.0 | 63.1 | 45.8 | 52.5 | 46.0 | 49.3 | |
| G73.0 | 43.6 | 39.5 | 52.7 | 63.1 | 56.7 | 38.7 | 46.6 | 39.9 | 43.6 | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.450 m
 Humidity: 50%
 Inspector:

Unit: cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.450 m
Humidity: 50%
Inspector: