

Report No.:

Test Time: 2021-12-08 10:37

Luminaire Property

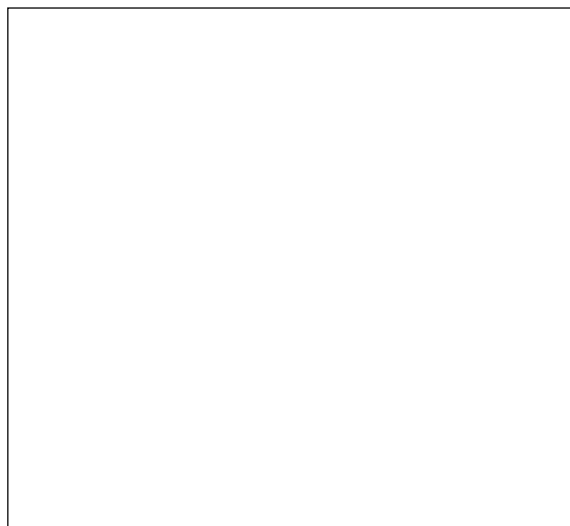
Luminaire Manufacturer:

Luminaire Description: ADLED12W110D-2T Lamp Catalog: 3000K
 Number of Lamps: 1 Lumens per Lamp: 942.2 lm
 Luminous Length (mm): 83 mm Luminous Width (mm): 83 mm
 Luminous Height (mm): 0 mm Voltage: 230.9 V
 Current: 0.056 A Power: 11.88 W
 Power Factor: 0.918

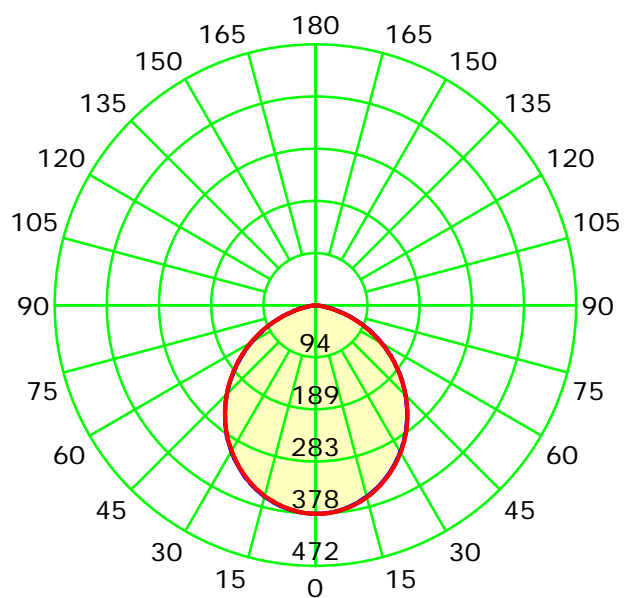
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 942.2 lm
 Measurement Flux: 942.2 lm Efficiency: 100.00%
 Downward Ratio: 100.00% Upward Ratio: 0.00%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 151.5, 151.3, 151.3, 151.0
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 103.2, 103.4, 103.4, 103.2
 Luminaire Efficacy Rating (LER): 79.36 Central Intensity: 378.01 cd
 Max. Intensity: 378.18 cd Pos of Max. Intensity: H90 V1
 S/MH(C0/C180): 1.21 S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve

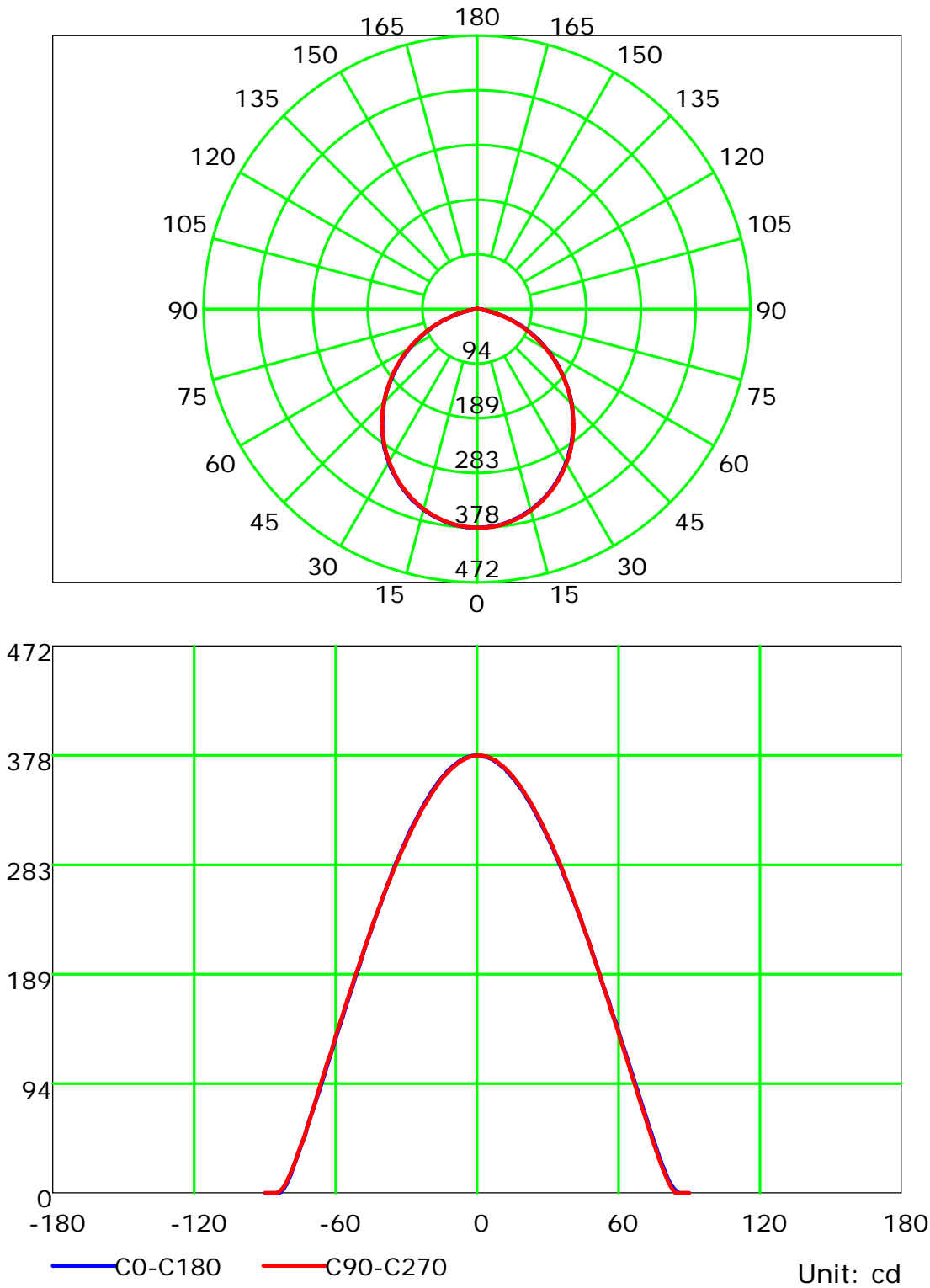


— C0-C180 — C90-C270

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: 7.919 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
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Gamma Plane (°):0.0-90.0:1.0
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Distance: 7.919 m
Humidity: 50%
Inspector:

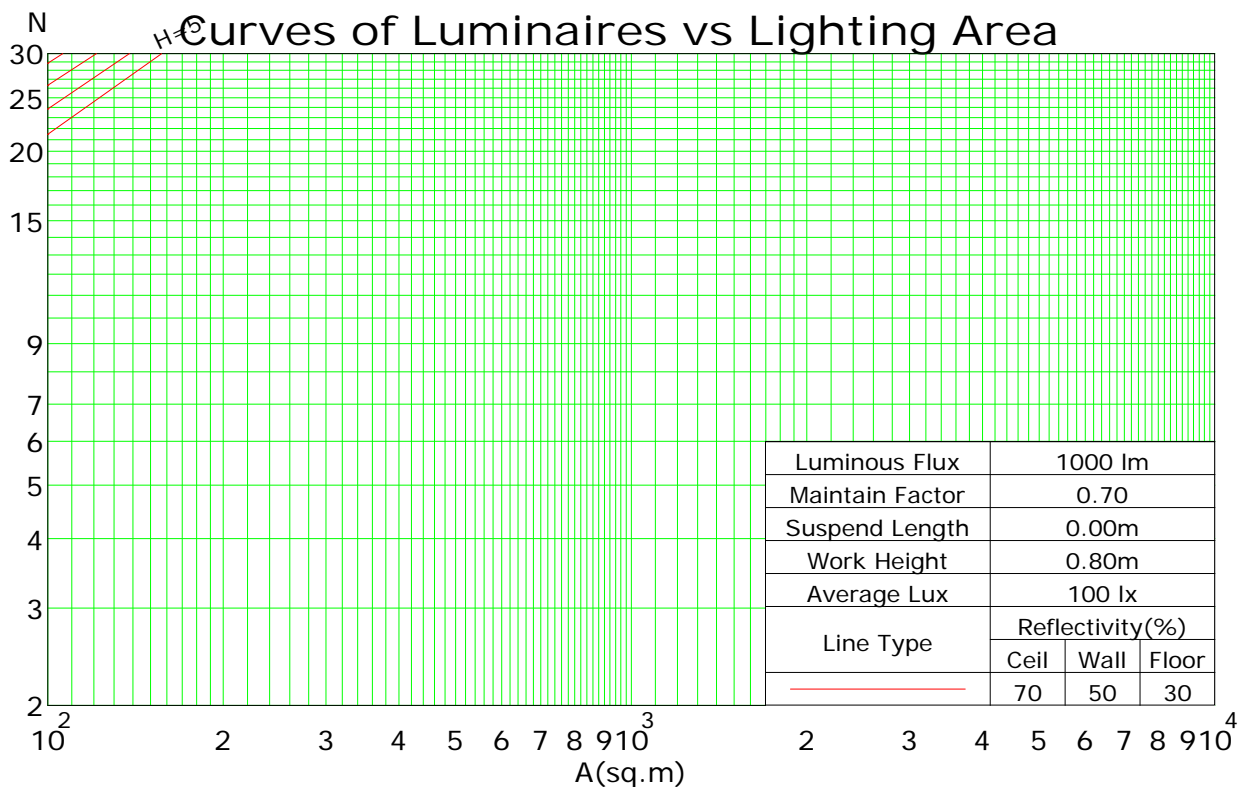
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 |
| 3 | 92 | 82 | 74 | 68 | 90 | 80 | 73 | 68 | 78 | 71 | 66 | 75 | 70 | 65 | 72 | 68 | 64 | 62 |
| 4 | 84 | 73 | 65 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 43 | 53 | 47 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 49 | 43 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 32 | 57 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 |
| 10 | 55 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 28 | 38 | 33 | 28 | 27 |

Spacing Criteria (0-180): 1.21

Spacing Criteria (90-270): 1.21

Spacing Criteria (Diagonal): 1.32



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

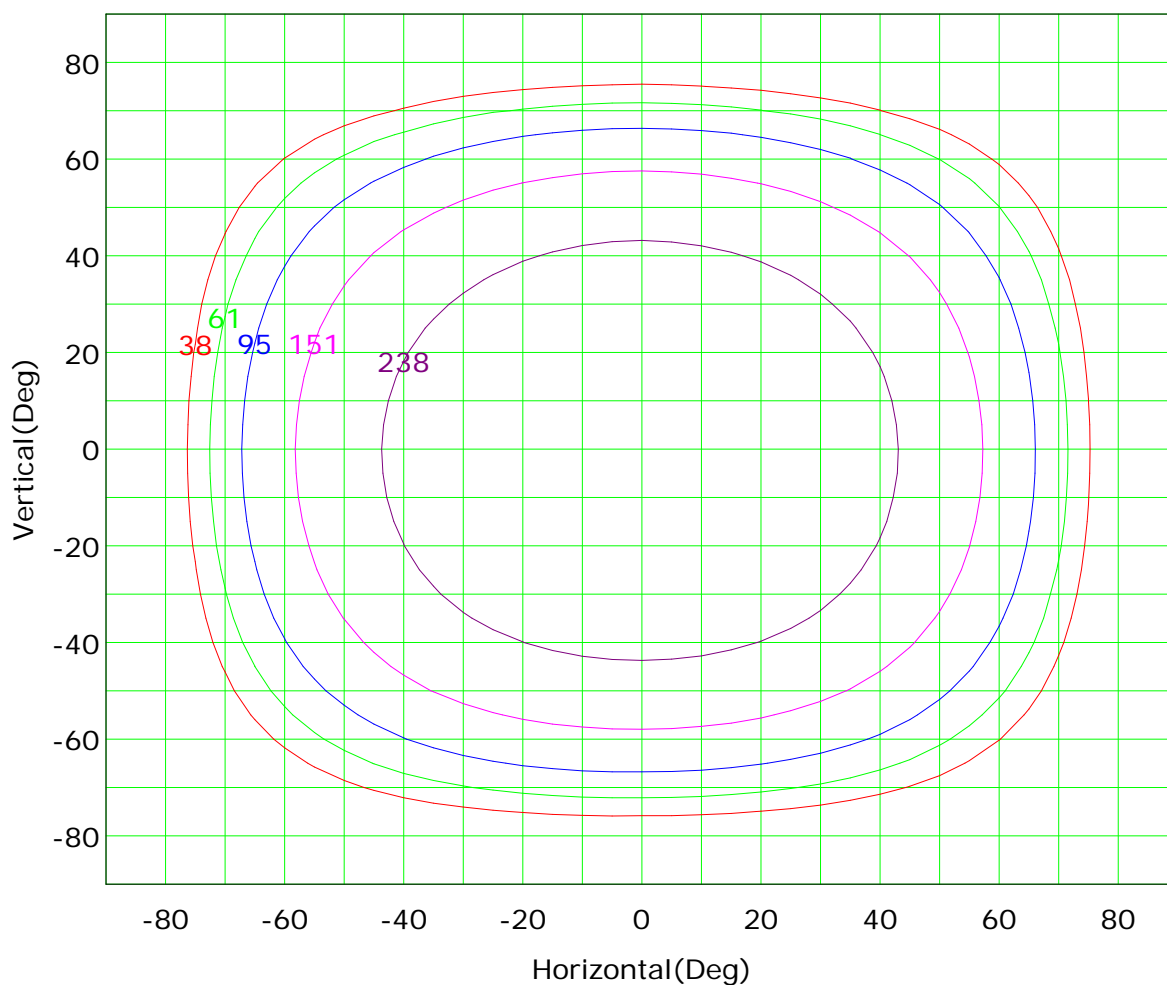
Test Device: GPM-1600

Distance: 7.919 m

Humidity: 50%

Inspector:

Isocandela (rectangle)



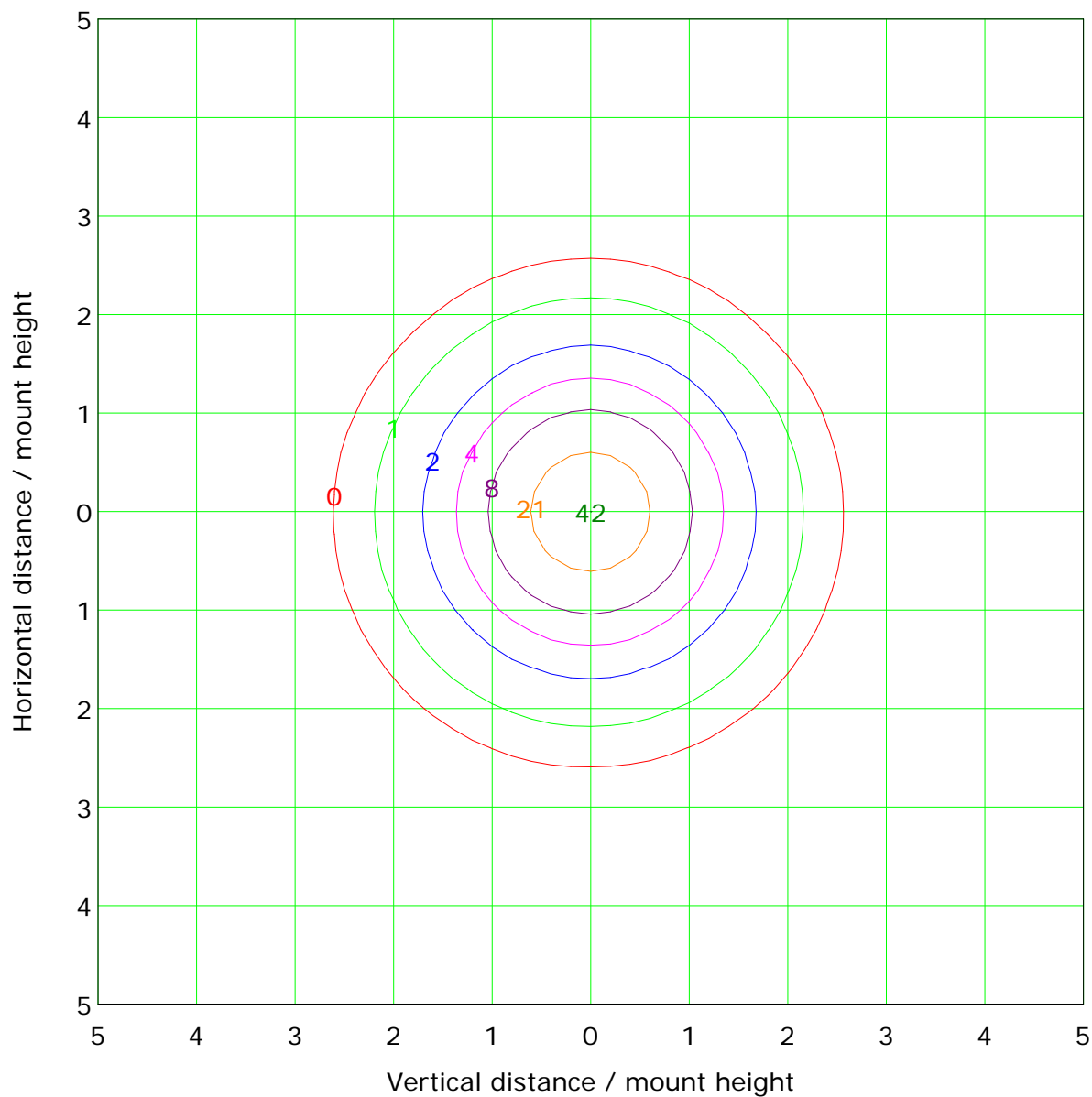
I_{max} (100%): 378 cd

| | | | |
|---------|--------|---------|--------|
| (10%): | 38 cd | (16%): | 61 cd |
| (25%): | 95 cd | (40%): | 151 cd |
| (63%): | 238 cd | (100%): | 378 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: 7.919 m
 Humidity: 50%
 Inspector:

IsoLux Plot



| | | | |
|-----------------------|---------|------------------------|---------|
| Mounting Height: 3.0m | | Max Lux(100%): 42.0 lx | |
| (1%): | 0.4 lx | (2%): | 0.8 lx |
| (5%): | 2.1 lx | (10%): | 4.2 lx |
| (20%): | 8.4 lx | (50%): | 21.0 lx |
| (100%): | 42.0 lx | | |

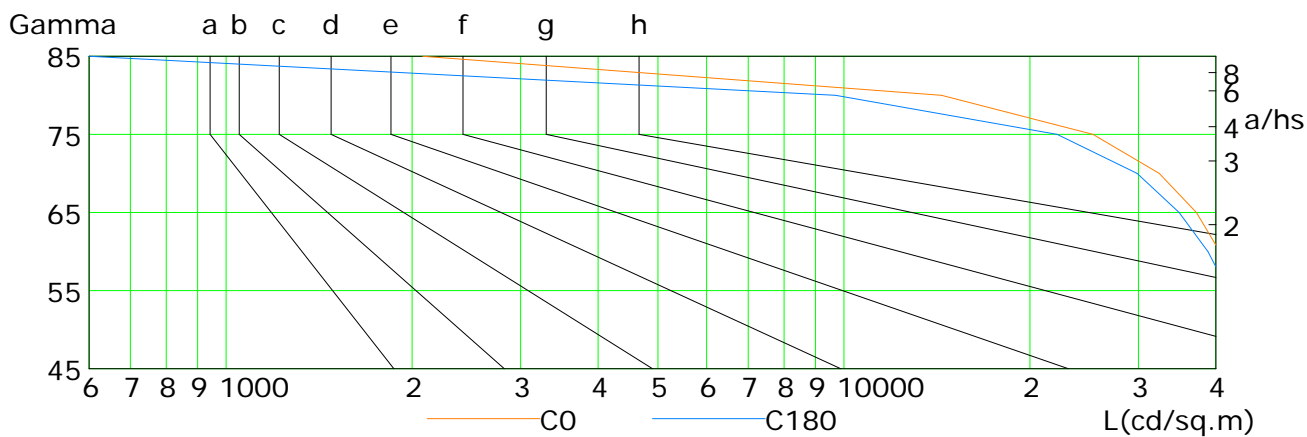
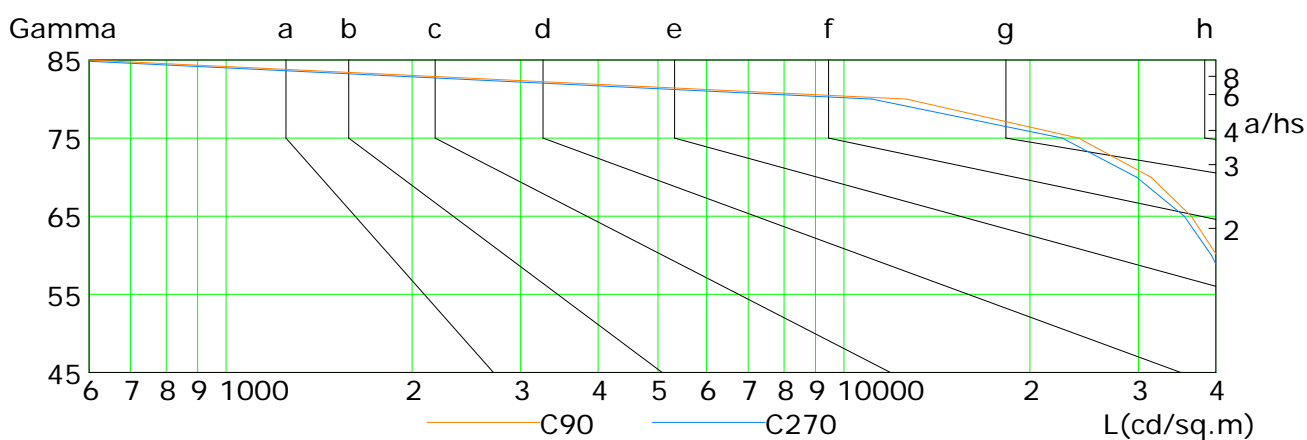
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: YAN

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 7.919 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

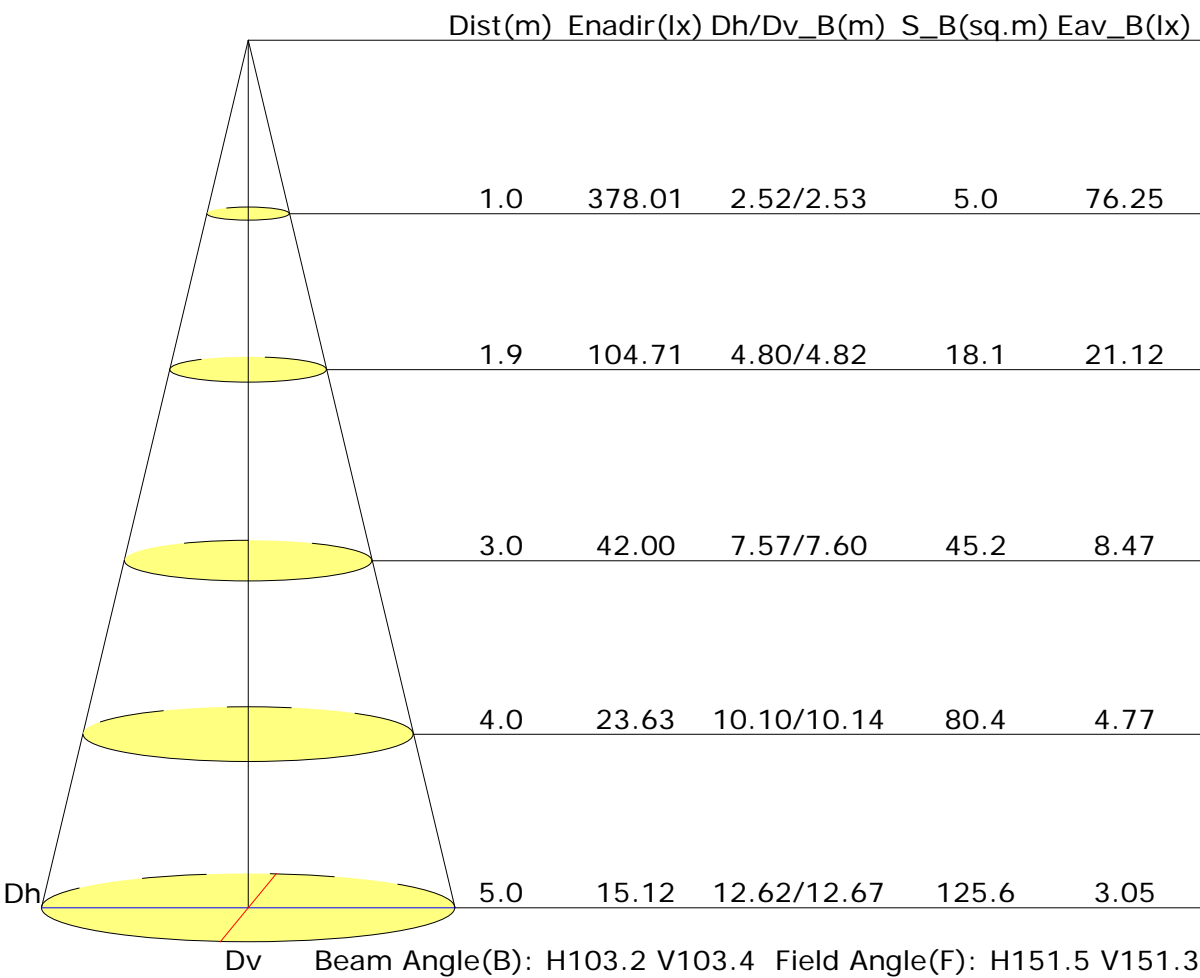


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| C0 | 47392 | 45565 | 43347 | 40595 | 37195 | 32400 | 25317 | 14395 | 2082 |
| C90 | 47462 | 45418 | 43134 | 40160 | 36508 | 31403 | 23976 | 12623 | 0 |
| C180 | 46686 | 44380 | 41927 | 38842 | 34880 | 29828 | 22159 | 9697 | 0 |
| C270 | 46789 | 44696 | 42368 | 39353 | 35584 | 29760 | 22580 | 11101 | 550 |

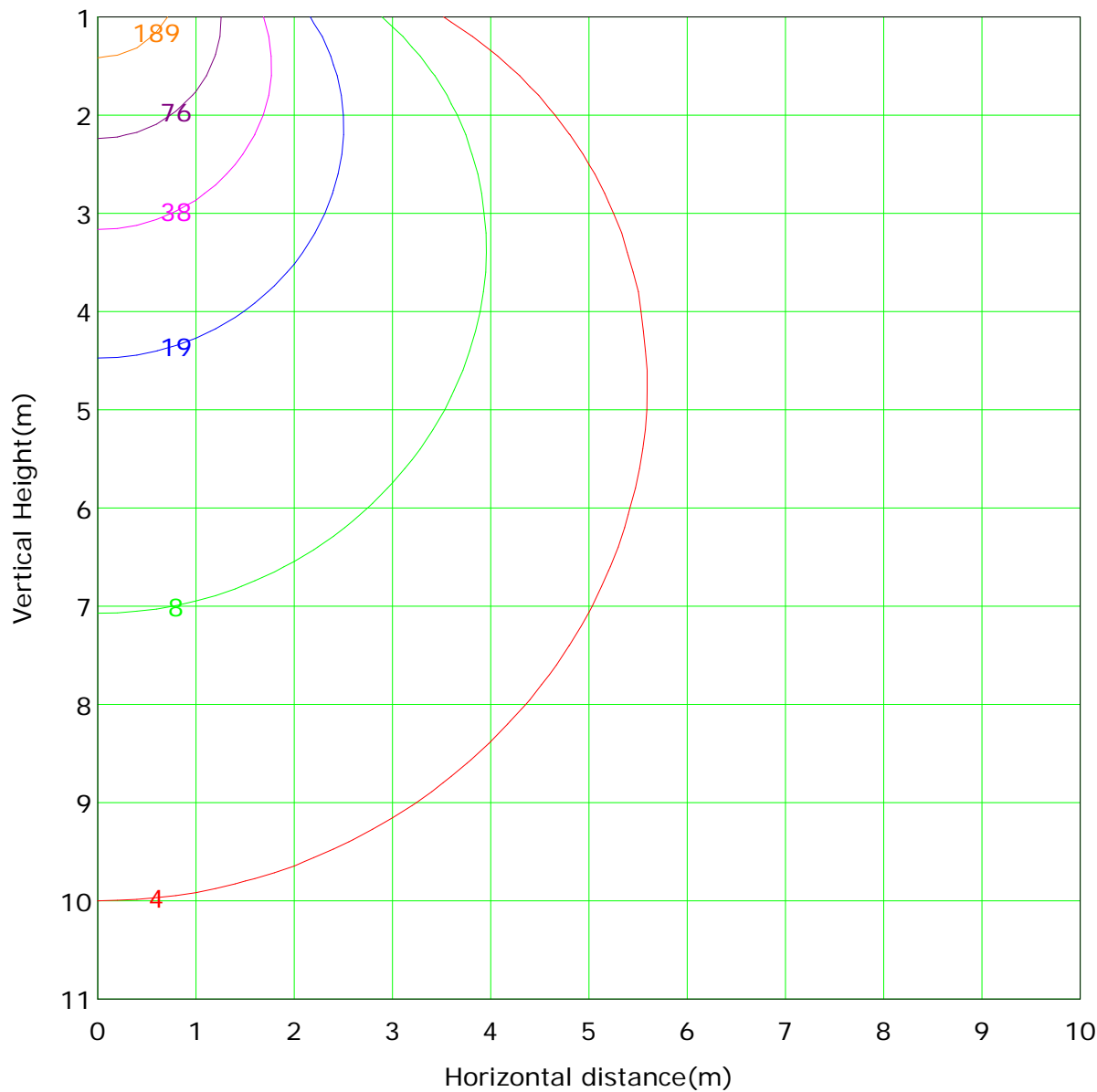
C Plane (°): 0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: YAN

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 7.919 m
 Humidity: 50%
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | | |
|------------------|-------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 378.0 lx |
| (1%): 3.8 lx | (2%): 7.6 lx | |
| (5%): 18.9 lx | (10%): 37.8 lx | |
| (20%): 75.6 lx | (50%): 189.0 lx | |
| (100%): 378.0 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: 7.919 m
Humidity: 50%
Inspector:

Area Flux Table

Unit: lm

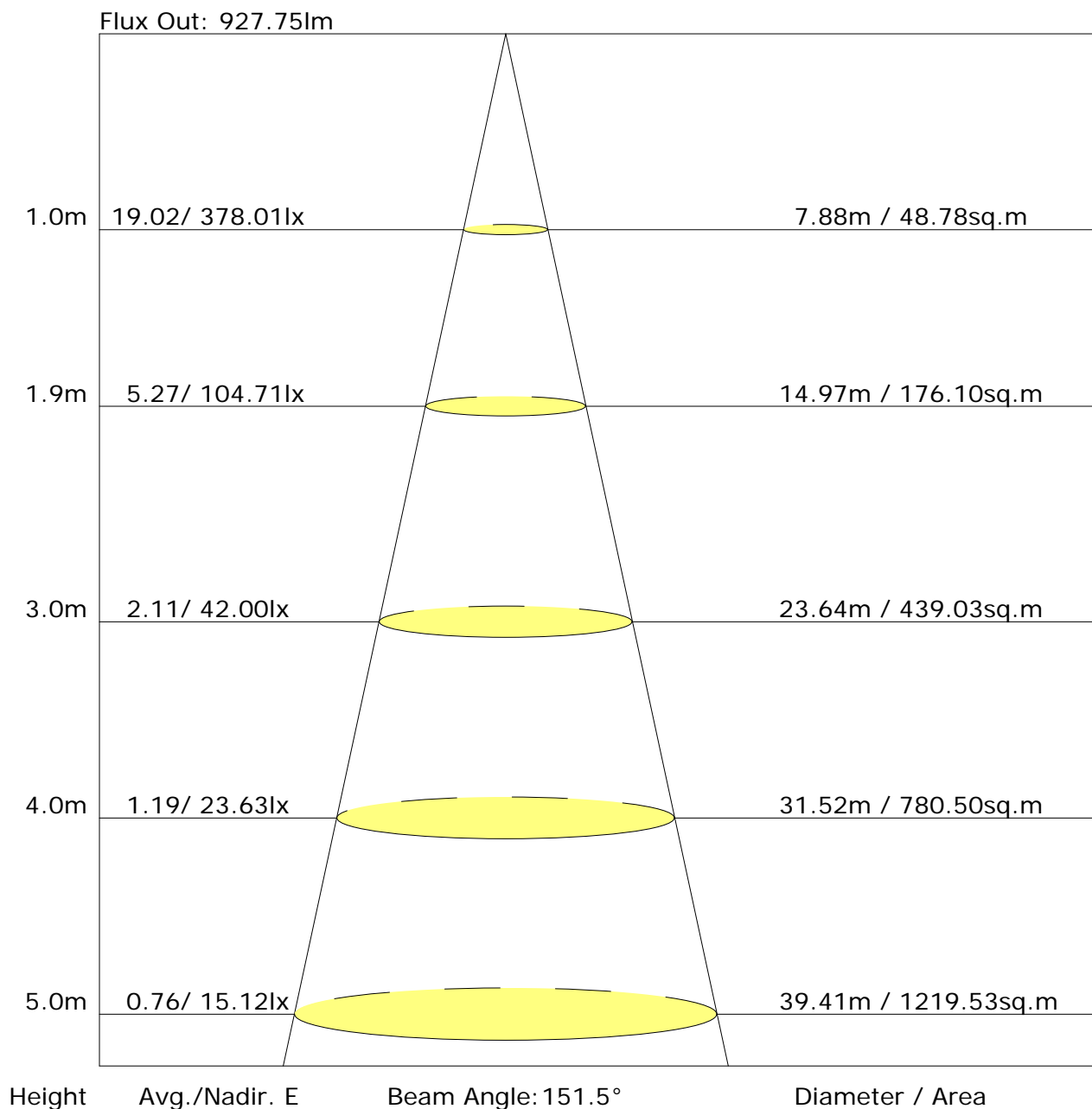
| | | Vertical plane | | | | | | | | | | | | | | | | | | Flux(T)Flux(E) | |
|---------|--|----------------|-----|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|-----|-----|----------------|-----|
| | | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.6 | 1.1 | 2.0 | 3.0 | 3.9 | 4.6 | 5.0 | 4.6 | 3.9 | 3.0 | 2.4 | 1.8 | 1.2 | 0.6 | 0.0 |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | 11.1 | 26.8 | 46.9 | 68.7 | 88.8 | 104.3 | 112.8 | 112.9 | 104.6 | 89.3 | 69.5 | 48.0 | 28.0 | 12.1 | 1.9 | 0.0 | | |
| Flux(E) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Flux(T) | | 0.1 | 2.7 | 12.1 | 27.7 | 47.8 | 69.5 | 89.6 | 105.1 | 113.6 | 113.7 | 105.4 | 90.2 | 70.4 | 48.9 | 28.9 | 13.0 | 3.2 | 0.1 | 942 | |
| | | 0.0 | 1.5 | | | | | | | | | | | | | | | | | | |

Horizontal plane

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: 7.919 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: 7.919 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 | 25.7 | 27.0 | 26.0 | 27.2 | 27.5 | 25.6 | 26.9 | 25.9 | 27.2 | 27.4 |
| 3H | 26.9 | 28.1 | 27.2 | 28.4 | 28.7 | 26.8 | 28.0 | 27.1 | 28.3 | 28.5 |
| 4H | 27.3 | 28.4 | 27.6 | 28.7 | 29.0 | 27.1 | 28.3 | 27.5 | 28.5 | 28.8 |
| 6H | 27.4 | 28.5 | 27.8 | 28.8 | 29.1 | 27.2 | 28.3 | 27.6 | 28.6 | 28.9 |
| 8H | 27.4 | 28.4 | 27.8 | 28.7 | 29.1 | 27.2 | 28.2 | 27.6 | 28.5 | 28.9 |
| 12H | 27.4 | 28.3 | 27.7 | 28.7 | 29.0 | 27.2 | 28.1 | 27.5 | 28.5 | 28.8 |
| X=4H Y=2H | 26.2 | 27.4 | 26.6 | 27.7 | 28.0 | 26.2 | 27.3 | 26.5 | 27.6 | 27.9 |
| 3H | 27.6 | 28.6 | 28.0 | 28.9 | 29.3 | 27.5 | 28.5 | 27.9 | 28.8 | 29.2 |
| 4H | 28.1 | 29.0 | 28.5 | 29.3 | 29.7 | 27.9 | 28.8 | 28.3 | 29.2 | 29.5 |
| 6H | 28.3 | 29.0 | 28.7 | 29.4 | 29.8 | 28.1 | 28.8 | 28.5 | 29.2 | 29.6 |
| 8H | 28.3 | 29.0 | 28.7 | 29.4 | 29.8 | 28.1 | 28.8 | 28.5 | 29.2 | 29.6 |
| 12H | 28.2 | 28.9 | 28.7 | 29.3 | 29.7 | 28.0 | 28.7 | 28.5 | 29.1 | 29.5 |
| X=8H Y=4H | 28.2 | 28.9 | 28.7 | 29.3 | 29.7 | 28.1 | 28.8 | 28.5 | 29.2 | 29.6 |
| 6H | 28.5 | 29.0 | 28.9 | 29.4 | 29.9 | 28.3 | 28.8 | 28.7 | 29.3 | 29.7 |
| 8H | 28.5 | 29.0 | 28.9 | 29.4 | 29.9 | 28.3 | 28.8 | 28.8 | 29.2 | 29.7 |
| 12H | 28.4 | 28.9 | 28.9 | 29.3 | 29.8 | 28.2 | 28.7 | 28.7 | 29.1 | 29.6 |
| X=12H Y=4H | 28.2 | 28.8 | 28.7 | 29.2 | 29.7 | 28.1 | 28.7 | 28.5 | 29.1 | 29.6 |
| 6H | 28.4 | 28.9 | 28.9 | 29.4 | 29.9 | 28.3 | 28.8 | 28.7 | 29.2 | 29.7 |
| 8H | 28.5 | 28.9 | 29.0 | 29.3 | 29.8 | 28.3 | 28.7 | 28.8 | 29.2 | 29.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | +0.2/-0.2 | | | | | +0.2/-0.2 | | | | |
| S=1.5H | +0.3/-0.6 | | | | | +0.4/-0.7 | | | | |
| S=2.0H | +0.7/-1.1 | | | | | +0.7/-1.2 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 942Im ($8\log(F/F_0) = -0.2$).

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: 7.919 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 | 0.64 | 0.72 | 0.80 | 0.85 | 0.91 | 0.96 | 0.99 | 1.03 | 1.06 |
| | 0.30 | | 0.57 | 0.65 | 0.73 | 0.78 | 0.86 | 0.91 | 0.95 | 1.00 | 1.03 |
| | 0.20 | | 0.52 | 0.60 | 0.68 | 0.74 | 0.82 | 0.87 | 0.91 | 0.97 | 1.00 |
| 0.50 | 0.50 | 0.20 | 0.62 | 0.70 | 0.77 | 0.82 | 0.88 | 0.93 | 0.95 | 0.99 | 1.02 |
| | 0.30 | | 0.56 | 0.64 | 0.72 | 0.77 | 0.84 | 0.89 | 0.92 | 0.96 | 0.99 |
| | 0.20 | | 0.52 | 0.59 | 0.67 | 0.72 | 0.80 | 0.85 | 0.89 | 0.94 | 0.97 |
| 0.30 | 0.50 | 0.20 | 0.61 | 0.69 | 0.75 | 0.80 | 0.86 | 0.89 | 0.92 | 0.96 | 0.98 |
| | 0.30 | | 0.55 | 0.63 | 0.70 | 0.75 | 0.82 | 0.86 | 0.89 | 0.93 | 0.96 |
| | 0.20 | | 0.51 | 0.59 | 0.66 | 0.71 | 0.78 | 0.83 | 0.87 | 0.91 | 0.94 |
| 0.00 | 0.00 | 0.00 | 0.49 | 0.57 | 0.64 | 0.69 | 0.75 | 0.80 | 0.83 | 0.87 | 0.89 |
| <p>Rating: 12W 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 | 0.89 | 0.75 | 0.62 | 0.54 | 0.42 | 0.35 | 0.30 | 0.23 | 0.18 |
| | 0.30 | | 0.74 | 0.64 | 0.54 | 0.48 | 0.38 | 0.32 | 0.27 | 0.21 | 0.17 |
| | 0.20 | | 0.64 | 0.56 | 0.48 | 0.43 | 0.35 | 0.30 | 0.25 | 0.20 | 0.17 |
| 0.50 | 0.50 | 0.20 | 0.86 | 0.71 | 0.60 | 0.51 | 0.40 | 0.37 | 0.28 | 0.21 | 0.17 |
| | 0.30 | | 0.72 | 0.62 | 0.53 | 0.46 | 0.37 | 0.31 | 0.26 | 0.20 | 0.16 |
| | 0.20 | | 0.63 | 0.55 | 0.47 | 0.42 | 0.34 | 0.28 | 0.25 | 0.19 | 0.16 |
| 0.30 | 0.50 | 0.20 | 0.83 | 0.69 | 0.57 | 0.49 | 0.38 | 0.31 | 0.27 | 0.20 | 0.16 |
| | 0.30 | | 0.71 | 0.60 | 0.51 | 0.44 | 0.35 | 0.29 | 0.25 | 0.19 | 0.16 |
| | 0.20 | | 0.62 | 0.54 | 0.46 | 0.41 | 0.33 | 0.28 | 0.24 | 0.18 | 0.15 |
| 0.00 | 0.00 | 0.00 | 0.51 | 0.44 | 0.37 | 0.32 | 0.25 | 0.21 | 0.17 | 0.13 | 0.11 |
| <p>Rating: 12W 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 | 0.06 | 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: 12W 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 | 378.0 | 0.4 | 0.4 | 0.04 | 0.04 |
| 1.0-2.0 | 377.8 | 1.1 | 1.4 | 0.12 | 0.15 |
| 2.0-3.0 | 377.5 | 1.8 | 3.3 | 0.19 | 0.35 |
| 3.0-4.0 | 377.0 | 2.5 | 5.8 | 0.27 | 0.61 |
| 4.0-5.0 | 376.3 | 3.2 | 9.0 | 0.34 | 0.96 |
| 5.0-6.0 | 375.5 | 3.9 | 13.0 | 0.42 | 1.38 |
| 6.0-7.0 | 374.4 | 4.6 | 17.6 | 0.49 | 1.87 |
| 7.0-8.0 | 373.2 | 5.3 | 23.0 | 0.57 | 2.44 |
| 8.0-9.0 | 371.8 | 6.0 | 29.0 | 0.64 | 3.08 |
| 9.0-10.0 | 370.2 | 6.7 | 35.7 | 0.71 | 3.79 |
| 10.0-11.0 | 368.6 | 7.4 | 43.0 | 0.78 | 4.57 |
| 11.0-12.0 | 366.7 | 8.0 | 51.1 | 0.85 | 5.42 |
| 12.0-13.0 | 364.6 | 8.7 | 59.7 | 0.92 | 6.34 |
| 13.0-14.0 | 362.5 | 9.3 | 69.0 | 0.98 | 7.32 |
| 14.0-15.0 | 360.2 | 9.9 | 78.9 | 1.05 | 8.37 |
| 15.0-16.0 | 357.8 | 10.5 | 89.4 | 1.11 | 9.49 |
| 16.0-17.0 | 355.0 | 11.1 | 100.4 | 1.17 | 10.66 |
| 17.0-18.0 | 352.3 | 11.6 | 112.0 | 1.23 | 11.89 |
| 18.0-19.0 | 349.4 | 12.2 | 124.2 | 1.29 | 13.18 |
| 19.0-20.0 | 346.4 | 12.7 | 136.9 | 1.35 | 14.53 |
| 20.0-21.0 | 343.1 | 13.2 | 150.1 | 1.40 | 15.93 |
| 21.0-22.0 | 339.9 | 13.7 | 163.7 | 1.45 | 17.38 |
| 22.0-23.0 | 336.4 | 14.1 | 177.8 | 1.50 | 18.87 |
| 23.0-24.0 | 332.8 | 14.6 | 192.4 | 1.54 | 20.42 |
| 24.0-25.0 | 329.0 | 15.0 | 207.4 | 1.59 | 22.01 |
| 25.0-26.0 | 325.2 | 15.4 | 222.7 | 1.63 | 23.64 |
| 26.0-27.0 | 321.3 | 15.7 | 238.4 | 1.67 | 25.30 |
| 27.0-28.0 | 317.2 | 16.1 | 254.5 | 1.70 | 27.01 |
| 28.0-29.0 | 313.2 | 16.4 | 270.9 | 1.74 | 28.75 |
| 29.0-30.0 | 308.8 | 16.7 | 287.5 | 1.77 | 30.52 |
| 30.0-31.0 | 304.4 | 16.9 | 304.5 | 1.80 | 32.32 |
| 31.0-32.0 | 299.9 | 17.2 | 321.7 | 1.82 | 34.14 |
| 32.0-33.0 | 295.3 | 17.4 | 339.1 | 1.85 | 35.99 |
| 33.0-34.0 | 290.5 | 17.6 | 356.7 | 1.87 | 37.85 |
| 34.0-35.0 | 285.8 | 17.8 | 374.4 | 1.88 | 39.74 |
| 35.0-36.0 | 280.9 | 17.9 | 392.3 | 1.90 | 41.64 |

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: 7.919 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 | 275.7 | 18.0 | 410.3 | 1.91 | 43.54 |
| 37.0-38.0 | 270.6 | 18.1 | 428.3 | 1.92 | 45.46 |
| 38.0-39.0 | 265.3 | 18.1 | 446.5 | 1.92 | 47.38 |
| 39.0-40.0 | 259.9 | 18.1 | 464.6 | 1.92 | 49.31 |
| 40.0-41.0 | 254.5 | 18.1 | 482.7 | 1.92 | 51.23 |
| 41.0-42.0 | 248.9 | 18.1 | 500.8 | 1.92 | 53.15 |
| 42.0-43.0 | 243.3 | 18.0 | 518.8 | 1.91 | 55.06 |
| 43.0-44.0 | 237.6 | 17.9 | 536.8 | 1.90 | 56.97 |
| 44.0-45.0 | 231.9 | 17.8 | 554.6 | 1.89 | 58.86 |
| 45.0-46.0 | 226.2 | 17.7 | 572.3 | 1.88 | 60.74 |
| 46.0-47.0 | 220.3 | 17.5 | 589.8 | 1.86 | 62.60 |
| 47.0-48.0 | 214.3 | 17.3 | 607.1 | 1.84 | 64.44 |
| 48.0-49.0 | 208.4 | 17.1 | 624.2 | 1.82 | 66.25 |
| 49.0-50.0 | 202.3 | 16.9 | 641.1 | 1.79 | 68.04 |
| 50.0-51.0 | 196.2 | 16.6 | 657.7 | 1.76 | 69.81 |
| 51.0-52.0 | 190.0 | 16.3 | 674.0 | 1.73 | 71.54 |
| 52.0-53.0 | 183.8 | 16.0 | 690.0 | 1.70 | 73.23 |
| 53.0-54.0 | 177.6 | 15.7 | 705.7 | 1.66 | 74.90 |
| 54.0-55.0 | 171.5 | 15.3 | 721.0 | 1.63 | 76.52 |
| 55.0-56.0 | 165.3 | 14.9 | 735.9 | 1.59 | 78.11 |
| 56.0-57.0 | 158.9 | 14.5 | 750.5 | 1.54 | 79.65 |
| 57.0-58.0 | 152.6 | 14.1 | 764.6 | 1.50 | 81.15 |
| 58.0-59.0 | 146.3 | 13.7 | 778.2 | 1.45 | 82.60 |
| 59.0-60.0 | 139.9 | 13.2 | 791.5 | 1.40 | 84.00 |
| 60.0-61.0 | 133.5 | 12.7 | 804.2 | 1.35 | 85.35 |
| 61.0-62.0 | 127.0 | 12.2 | 816.4 | 1.30 | 86.65 |
| 62.0-63.0 | 120.6 | 11.7 | 828.2 | 1.25 | 87.90 |
| 63.0-64.0 | 114.3 | 11.2 | 839.4 | 1.19 | 89.09 |
| 64.0-65.0 | 108.0 | 10.7 | 850.1 | 1.13 | 90.22 |
| 65.0-66.0 | 101.5 | 10.1 | 860.2 | 1.08 | 91.30 |
| 66.0-67.0 | 95.0 | 9.6 | 869.8 | 1.01 | 92.31 |
| 67.0-68.0 | 88.5 | 9.0 | 878.7 | 0.95 | 93.26 |
| 68.0-69.0 | 82.1 | 8.4 | 887.1 | 0.89 | 94.15 |
| 69.0-70.0 | 75.7 | 7.8 | 894.9 | 0.83 | 94.98 |
| 70.0-71.0 | 69.3 | 7.2 | 902.1 | 0.76 | 95.74 |
| 71.0-72.0 | 63.1 | 6.6 | 908.6 | 0.70 | 96.43 |

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: 7.919 m
 Humidity: 50%
 Inspector:

Zonal Lumen (Continue 2)

[illegible]

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 7.919 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 | 378.0 | 378.0 | 378.0 | 378.0 | 378.0 | 378.0 | 378.0 | 378.0 | 378.0 | |
| G1.0 | 377.9 | 378.0 | 378.2 | 378.1 | 378.0 | 377.7 | 377.9 | 377.9 | 377.9 | |
| G2.0 | 377.8 | 377.9 | 378.1 | 377.8 | 377.8 | 377.3 | 377.3 | 377.7 | 377.8 | |
| G3.0 | 377.2 | 377.5 | 377.7 | 377.5 | 377.3 | 376.9 | 377.0 | 377.0 | 377.2 | |
| G4.0 | 376.9 | 377.0 | 377.4 | 377.1 | 376.6 | 376.1 | 376.2 | 376.1 | 376.9 | |
| G5.0 | 376.3 | 376.5 | 376.6 | 376.4 | 375.9 | 375.3 | 375.6 | 375.3 | 376.3 | |
| G6.0 | 375.3 | 375.6 | 375.7 | 375.5 | 374.9 | 374.1 | 374.4 | 374.5 | 375.3 | |
| G7.0 | 374.1 | 374.7 | 374.5 | 374.5 | 373.8 | 373.0 | 373.1 | 373.1 | 374.1 | |
| G8.0 | 372.8 | 373.6 | 373.5 | 373.1 | 372.5 | 371.7 | 371.8 | 371.8 | 372.8 | |
| G9.0 | 371.2 | 372.2 | 371.9 | 371.9 | 370.9 | 369.9 | 370.2 | 370.2 | 371.2 | |
| G10.0 | 369.7 | 370.4 | 370.5 | 370.4 | 369.3 | 368.3 | 368.4 | 368.4 | 369.7 | |
| G11.0 | 368.0 | 368.8 | 368.7 | 368.9 | 367.6 | 366.3 | 366.7 | 366.6 | 368.0 | |
| G12.0 | 366.3 | 367.0 | 366.8 | 366.8 | 365.6 | 364.1 | 364.5 | 364.4 | 366.3 | |
| G13.0 | 363.6 | 365.0 | 364.9 | 364.7 | 363.5 | 362.0 | 362.5 | 362.3 | 363.6 | |
| G14.0 | 361.5 | 362.8 | 362.7 | 362.6 | 361.1 | 359.8 | 360.4 | 360.1 | 361.5 | |
| G15.0 | 359.4 | 360.6 | 360.3 | 360.3 | 359.0 | 357.4 | 358.2 | 357.6 | 359.4 | |
| G16.0 | 356.8 | 358.1 | 357.9 | 357.8 | 356.5 | 354.6 | 355.1 | 354.8 | 356.8 | |
| G17.0 | 354.0 | 355.4 | 355.2 | 355.0 | 353.5 | 351.9 | 352.3 | 352.0 | 354.0 | |
| G18.0 | 351.2 | 352.5 | 352.6 | 352.4 | 350.7 | 349.3 | 349.5 | 349.1 | 351.2 | |
| G19.0 | 348.5 | 349.7 | 349.5 | 349.6 | 347.8 | 345.9 | 346.4 | 346.3 | 348.5 | |
| G20.0 | 345.5 | 346.7 | 346.4 | 346.5 | 344.5 | 342.8 | 343.1 | 342.9 | 345.5 | |
| G21.0 | 342.2 | 343.4 | 343.1 | 343.3 | 340.9 | 339.4 | 340.0 | 339.5 | 342.2 | |
| G22.0 | 338.7 | 340.3 | 340.0 | 340.2 | 338.0 | 335.8 | 336.4 | 336.4 | 338.7 | |
| G23.0 | 335.2 | 336.8 | 336.5 | 336.7 | 334.0 | 332.1 | 333.0 | 332.7 | 335.2 | |
| G24.0 | 331.7 | 333.2 | 332.9 | 332.8 | 330.3 | 328.3 | 329.3 | 328.7 | 331.7 | |
| G25.0 | 327.9 | 329.6 | 329.1 | 329.1 | 326.5 | 324.5 | 325.3 | 324.8 | 327.9 | |
| G26.0 | 324.1 | 325.6 | 325.4 | 325.2 | 322.6 | 320.7 | 321.5 | 321.0 | 324.1 | |
| G27.0 | 319.8 | 321.8 | 321.3 | 321.7 | 318.6 | 316.6 | 317.5 | 317.0 | 319.8 | |
| G28.0 | 315.8 | 317.8 | 317.2 | 317.5 | 314.8 | 312.3 | 313.3 | 312.9 | 315.8 | |
| G29.0 | 312.2 | 313.7 | 312.9 | 313.4 | 310.8 | 308.1 | 309.1 | 308.6 | 312.2 | |
| G30.0 | 307.3 | 309.4 | 308.6 | 308.8 | 305.9 | 303.6 | 304.6 | 304.2 | 307.3 | |
| G31.0 | 303.4 | 305.0 | 304.4 | 304.4 | 301.2 | 299.2 | 300.1 | 299.7 | 303.4 | |
| G32.0 | 298.7 | 300.6 | 299.8 | 299.8 | 296.5 | 294.6 | 295.7 | 295.3 | 298.7 | |
| G33.0 | 294.0 | 295.6 | 295.1 | 295.1 | 292.0 | 289.9 | 291.0 | 290.5 | 294.0 | |
| G34.0 | 289.1 | 291.0 | 290.3 | 290.6 | 287.5 | 284.9 | 286.4 | 285.6 | 289.1 | |
| G35.0 | 284.5 | 286.4 | 285.6 | 286.1 | 282.5 | 280.1 | 281.4 | 281.1 | 284.5 | |
| G36.0 | 279.6 | 281.3 | 280.5 | 280.8 | 277.3 | 275.0 | 276.3 | 275.6 | 279.6 | |

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: 7.919 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 | 274.2 | 276.2 | 275.3 | 275.6 | 271.9 | 269.8 | 271.6 | 270.7 | 274.2 | |
| G38.0 | 269.2 | 271.1 | 270.1 | 270.5 | 266.8 | 264.4 | 266.4 | 265.5 | 269.2 | |
| G39.0 | 264.2 | 265.8 | 265.0 | 265.1 | 260.8 | 259.1 | 260.9 | 260.1 | 264.2 | |
| G40.0 | 258.9 | 260.5 | 259.4 | 259.6 | 255.5 | 253.4 | 255.8 | 254.6 | 258.9 | |
| G41.0 | 253.3 | 254.9 | 253.8 | 254.0 | 249.8 | 248.3 | 250.5 | 248.9 | 253.3 | |
| G42.0 | 247.5 | 249.4 | 248.2 | 248.7 | 244.7 | 242.6 | 244.7 | 243.3 | 247.5 | |
| G43.0 | 242.4 | 243.7 | 242.7 | 242.6 | 238.7 | 237.0 | 239.1 | 237.7 | 242.4 | |
| G44.0 | 236.7 | 238.1 | 236.9 | 236.7 | 233.3 | 231.2 | 233.8 | 232.0 | 236.7 | |
| G45.0 | 230.9 | 232.7 | 231.2 | 230.9 | 227.4 | 225.3 | 227.9 | 226.1 | 230.9 | |
| G46.0 | 225.4 | 227.3 | 225.2 | 225.0 | 221.5 | 219.5 | 221.9 | 220.4 | 225.4 | |
| G47.0 | 219.6 | 220.7 | 219.5 | 218.7 | 215.6 | 213.4 | 215.9 | 214.6 | 219.6 | |
| G48.0 | 213.7 | 214.9 | 213.4 | 213.1 | 209.4 | 207.2 | 210.2 | 208.7 | 213.7 | |
| G49.0 | 207.6 | 209.6 | 207.4 | 207.0 | 203.4 | 201.4 | 204.1 | 202.8 | 207.6 | |
| G50.0 | 201.8 | 203.6 | 201.1 | 201.0 | 196.5 | 195.1 | 197.9 | 196.6 | 201.8 | |
| G51.0 | 195.6 | 197.4 | 195.2 | 194.8 | 190.4 | 189.1 | 191.9 | 190.7 | 195.6 | |
| G52.0 | 188.8 | 191.4 | 188.9 | 188.7 | 184.5 | 182.7 | 186.1 | 184.3 | 188.8 | |
| G53.0 | 182.7 | 185.1 | 182.8 | 182.2 | 178.1 | 176.7 | 179.7 | 178.3 | 182.7 | |
| G54.0 | 176.4 | 179.2 | 176.6 | 176.2 | 171.9 | 170.4 | 173.5 | 172.2 | 176.4 | |
| G55.0 | 171.3 | 172.7 | 170.4 | 169.9 | 165.7 | 164.3 | 167.4 | 166.0 | 171.3 | |
| G56.0 | 165.2 | 166.9 | 163.8 | 163.8 | 159.4 | 157.7 | 161.1 | 159.6 | 165.2 | |
| G57.0 | 157.9 | 160.4 | 157.6 | 157.3 | 152.9 | 151.4 | 154.6 | 153.5 | 157.9 | |
| G58.0 | 152.2 | 153.9 | 151.3 | 151.0 | 146.6 | 144.9 | 148.4 | 147.1 | 152.2 | |
| G59.0 | 146.7 | 147.9 | 144.9 | 144.5 | 140.2 | 138.8 | 142.0 | 140.7 | 146.7 | |
| G60.0 | 139.8 | 141.3 | 138.3 | 138.2 | 133.8 | 132.1 | 135.6 | 134.3 | 139.8 | |
| G61.0 | 133.6 | 134.8 | 132.1 | 131.8 | 127.3 | 125.9 | 129.2 | 127.9 | 133.6 | |
| G62.0 | 127.2 | 128.8 | 125.4 | 125.4 | 120.8 | 119.4 | 121.8 | 121.4 | 127.2 | |
| G63.0 | 120.9 | 122.3 | 119.2 | 118.8 | 114.3 | 112.9 | 116.4 | 114.9 | 120.9 | |
| G64.0 | 114.4 | 116.0 | 112.7 | 112.5 | 107.7 | 106.4 | 109.7 | 109.4 | 114.4 | |
| G65.0 | 108.3 | 109.4 | 106.3 | 105.9 | 101.6 | 100.1 | 103.6 | 103.4 | 108.3 | |
| G66.0 | 101.8 | 103.1 | 99.9 | 99.6 | 94.9 | 93.6 | 97.1 | 95.8 | 101.8 | |
| G67.0 | 95.4 | 96.6 | 93.4 | 93.2 | 88.4 | 87.0 | 90.5 | 89.4 | 95.4 | |
| G68.0 | 89.1 | 90.1 | 86.7 | 86.9 | 82.0 | 80.7 | 83.0 | 82.8 | 89.1 | |
| G69.0 | 82.8 | 84.0 | 80.6 | 80.4 | 76.8 | 74.1 | 76.6 | 76.4 | 82.8 | |
| G70.0 | 76.3 | 77.5 | 74.0 | 74.1 | 70.3 | 67.8 | 70.1 | 70.2 | 76.3 | |
| G71.0 | 70.1 | 71.1 | 67.8 | 67.6 | 64.1 | 61.3 | 63.7 | 63.6 | 70.1 | |
| G72.0 | 63.7 | 64.8 | 61.3 | 61.5 | 57.7 | 55.0 | 57.3 | 58.3 | 63.7 | |
| G73.0 | 57.6 | 58.6 | 55.2 | 55.2 | 50.2 | 48.8 | 51.2 | 52.0 | 57.6 | |

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: 7.919 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: 7.919 m
Humidity: 50%
Inspector: