GENLED Brands
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**Report No.:** **Test Time: 2023/10/8 16:37**

## Luminaire Property

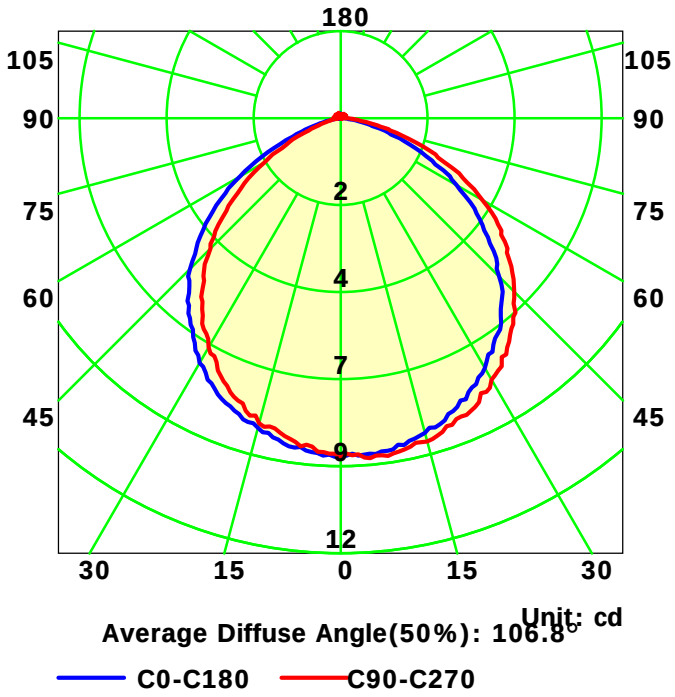
**Luminaire Manufacturer:**
**Luminaire Category: TRI NODE RGB-0.75W-UCS8903**
**Luminaire Description: CLEAR FLAT IP67** **Lamp Catalog: NODE**
**Lamp Description: 3** nodes **GREEN** **Luminous Length (mm): 250**
**Luminous Width (mm): 50** **Luminous Height (mm): 30**
**Voltage: 24.0 V** **Current: 0.061 A**
**Power: 1.47 W** **Power Factor: 1.000**

## Photometric Results

**CIE Class: Direct** **Total Rated Lamp Lumens: 24.7 lm**
**Measurement Flux: 24.7 lm** **Efficiency: 100%**
**Downward Ratio: 98%** **Upward Ratio: 2%**
**Horizontal Diffuse Angle(10%,50%): H148.5,H106.8**
**Vertical Diffuse Angle(10%,50%): V148.6,V106.9**
**Luminaire Efficacy Rating (LER): 17** **Central Intensity: 9.36 cd**
**Max. Intensity: 9.48 cd** **Pos of Max. Intensity: H90 V5**

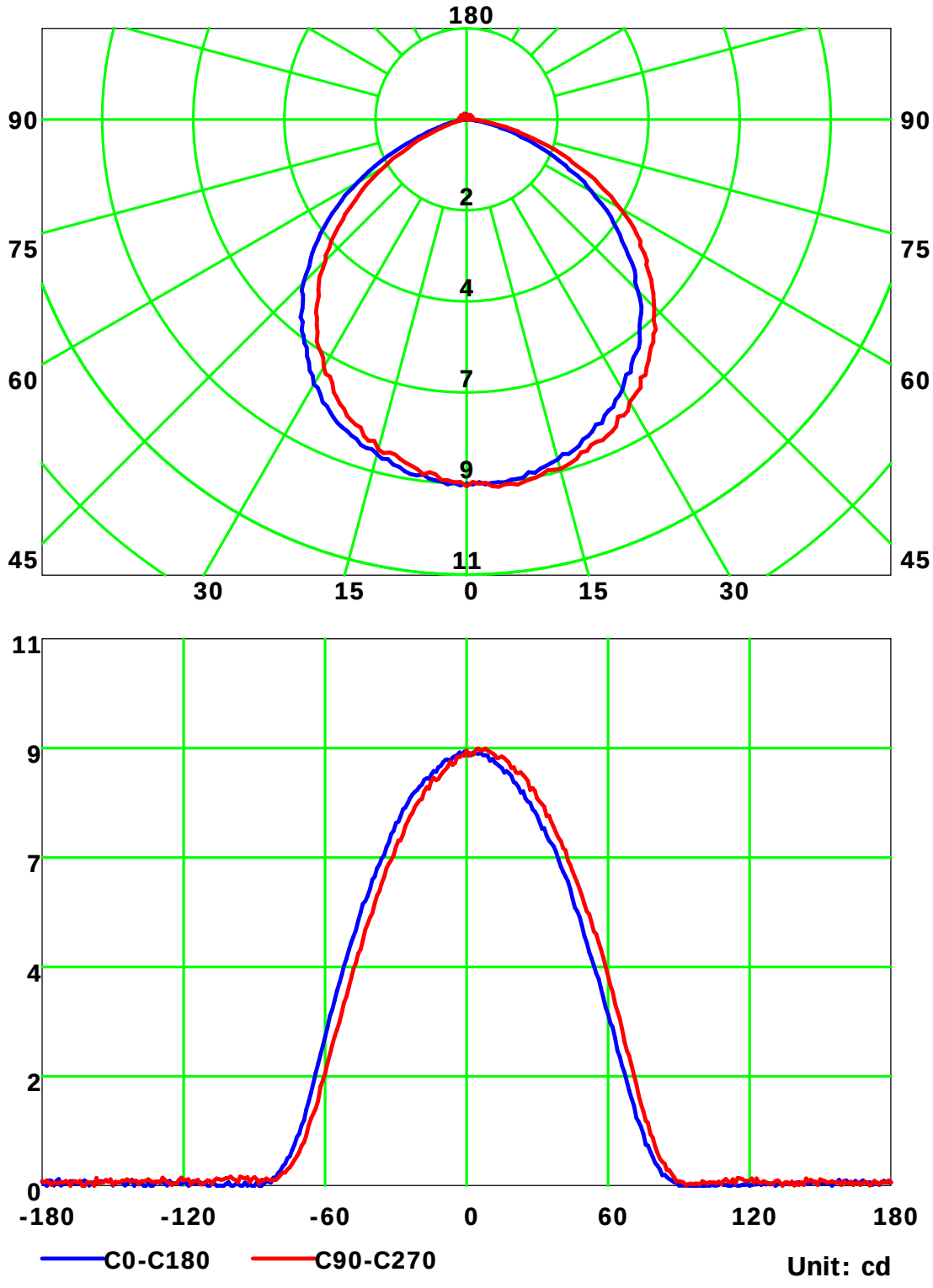
**Picture Of Luminaire**

**Luminous Intensity Distribution Curve**




**C Plane (°):0.0-360.0: 30.0** **Gamma Plane (°):0.0-180.0:1.0**
**Test Lab:** **Test Device: GPM-1800B**
**Test Type: TYPE C** **Distance: 9.028 m**
**Temperature: 25** **Humidity: 60%**
**Operator: Jacky** **Inspector:**

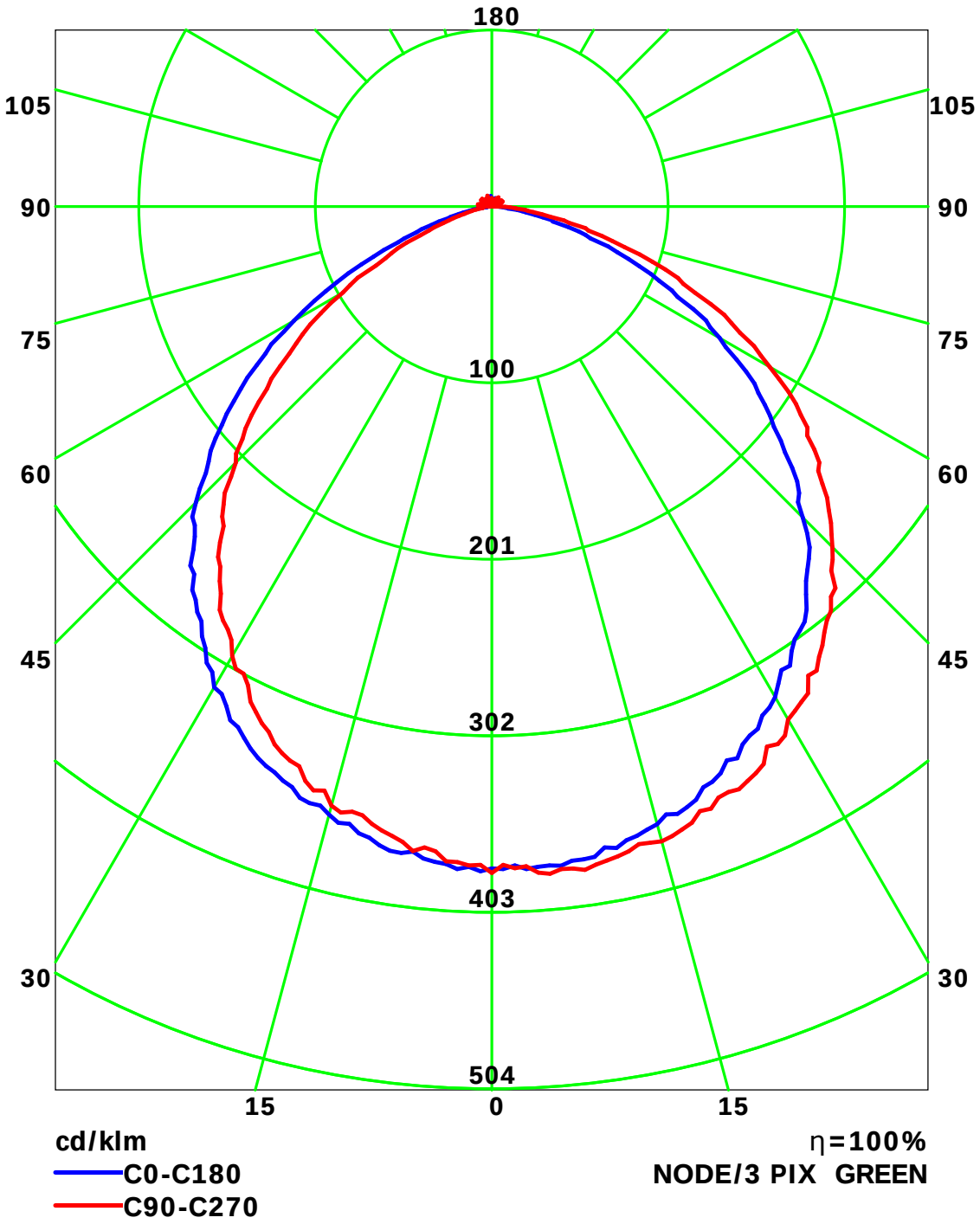
# Luminous Intensity Distribution Curve




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Luminous Intensity Distribution Curve(cd/klm)




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

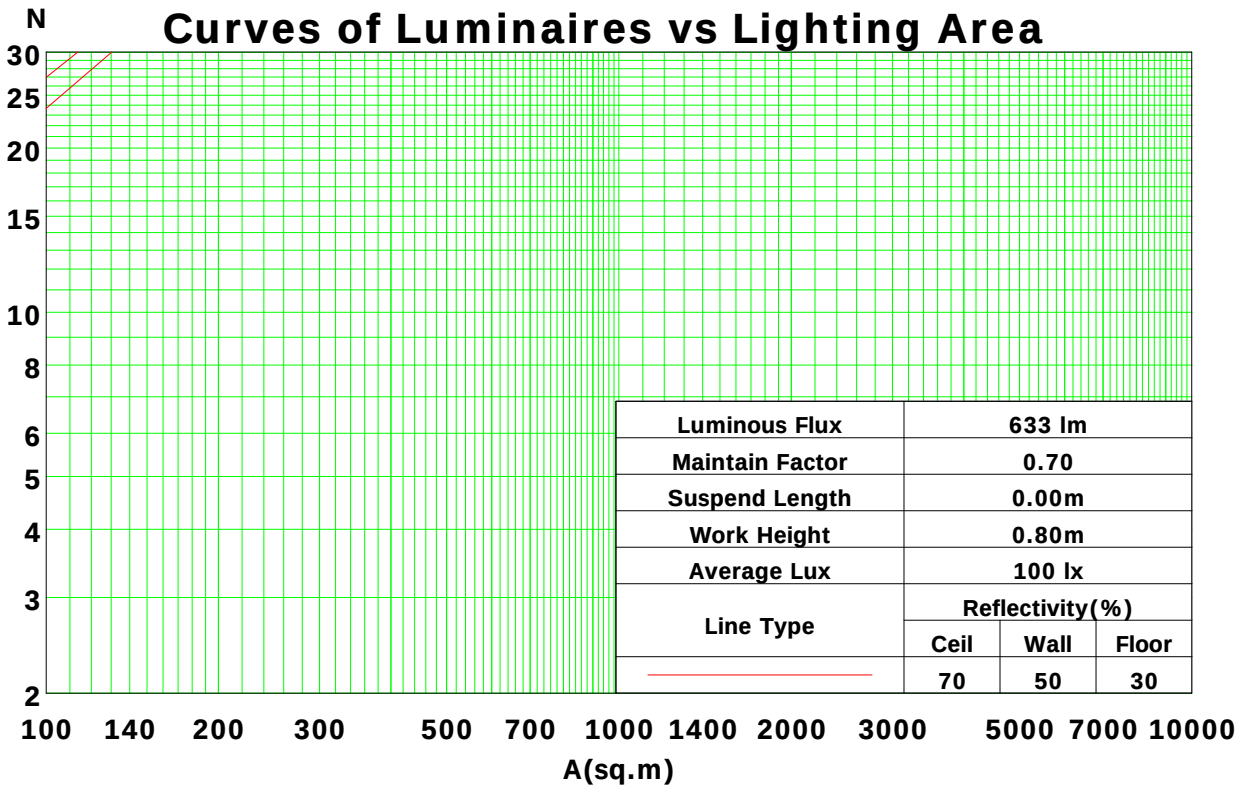
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# 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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 109 | 105 | 101 | 98 | 106 | 102 | 99 | 96 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 |
| 2 | 100 | 92 | 86 | 81 | 97 | 90 | 84 | 79 | 86 | 82 | 77 | 83 | 79 | 75 | 80 | 76 | 73 | 71 |
| 3 | 91 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 68 | 64 | 71 | 67 | 63 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 68 | 62 | 56 | 66 | 60 | 55 | 63 | 58 | 54 | 52 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 56 | 50 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 47 | 45 |
| 6 | 71 | 59 | 50 | 44 | 69 | 58 | 49 | 43 | 56 | 48 | 43 | 54 | 47 | 42 | 52 | 46 | 42 | 40 |
| 7 | 66 | 53 | 45 | 39 | 65 | 52 | 44 | 38 | 51 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 37 | 35 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 33 | 32 |
| 9 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | 41 | 35 | 30 | 40 | 35 | 30 | 28 |
| 10 | 54 | 41 | 33 | 28 | 53 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 37 | 32 | 28 | 26 |

**Spacing Criteria (0-180): 1.25**
**Spacing Criteria (90-270): 1.24**
**Spacing Criteria (Diagonal): 1.36**

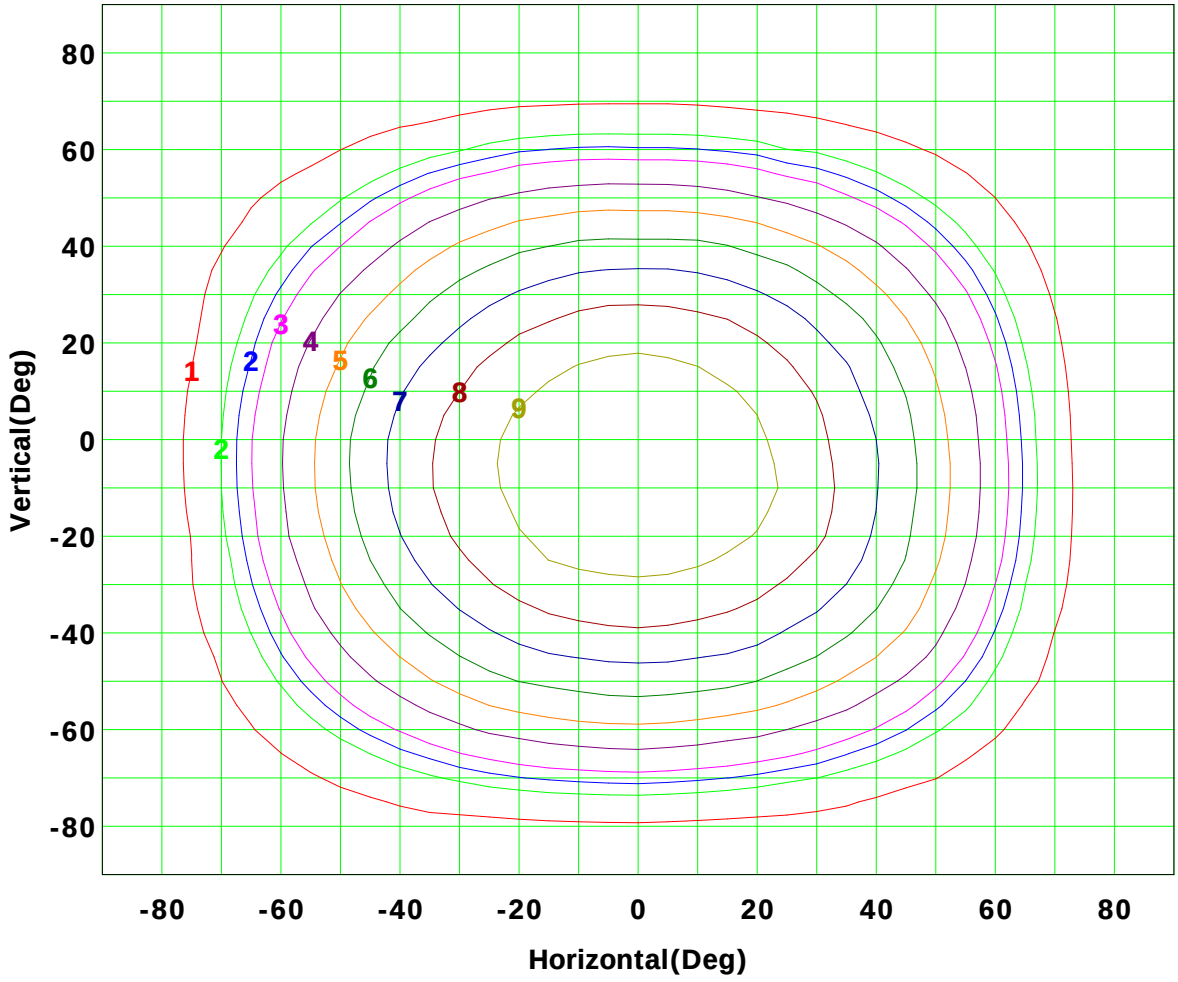
## Curves of Luminaires vs Lighting Area




**C Plane (°):0.0-360.0: 30.0**
**Test Lab:**
**Test Type: TYPE C**
**Temperature: 25**
**Operator: Jacky**

**Gamma Plane (°):0.0-180.0:1.0**
**Test Device: GPM-1800B**
**Distance: 9.028 m**
**Humidity: 60%**
**Inspector:**

# Isocandela (rectangle)



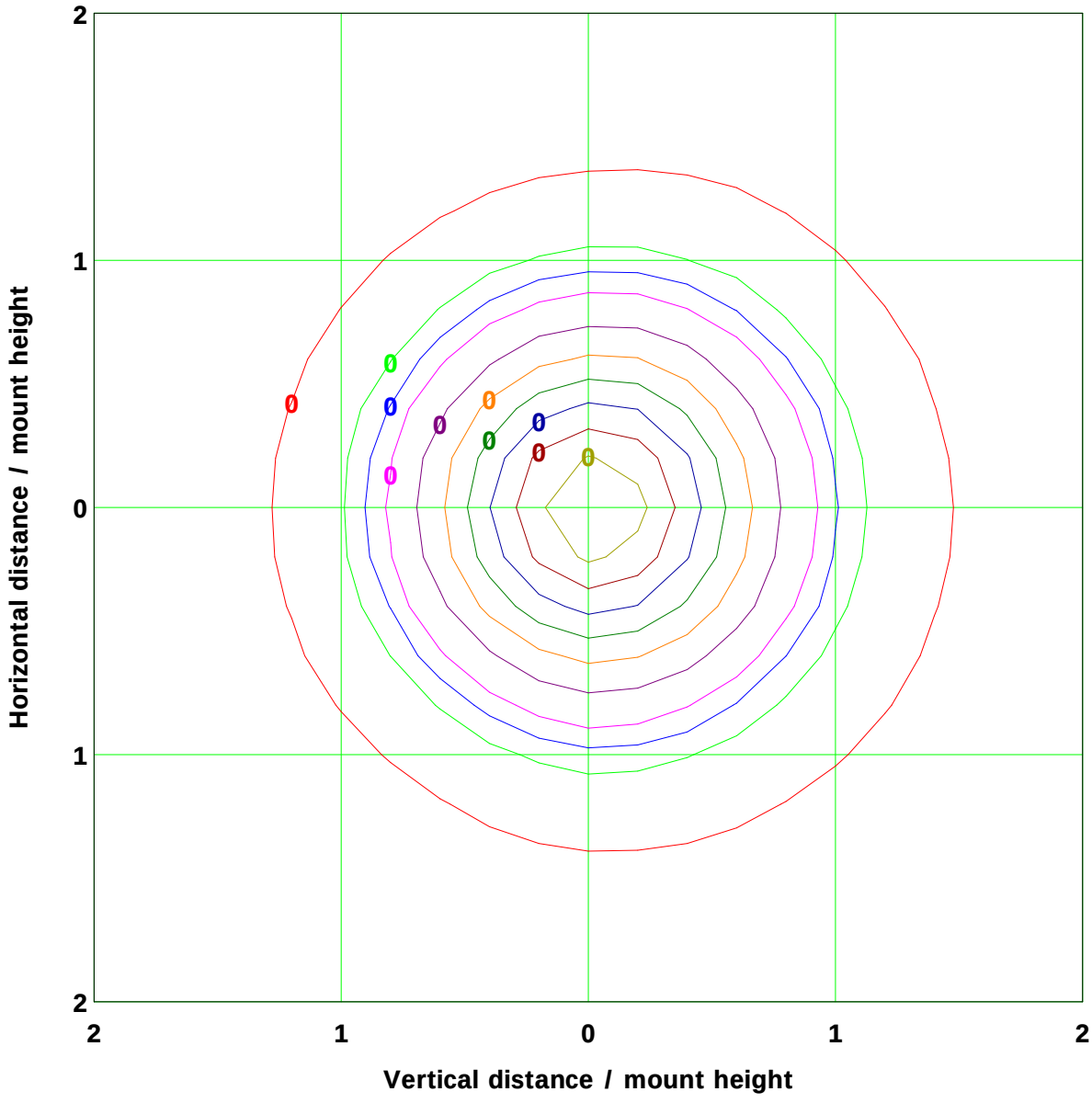

Imax (100%): 9 cd

| | | | |
|---|---|---|---|
| ( 10%): | 1 cd | ( 20%): | 2 cd |
| ( 25%): | 2 cd | ( 30%): | 3 cd |
| ( 40%): | 4 cd | ( 50%): | 5 cd |
| ( 60%): | 6 cd | ( 70%): | 7 cd |
| ( 80%): | 8 cd | ( 90%): | 9 cd |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# IsoLux Plot




Mounting Height: 5.0m  Max Lux(100%): 0.4 lx

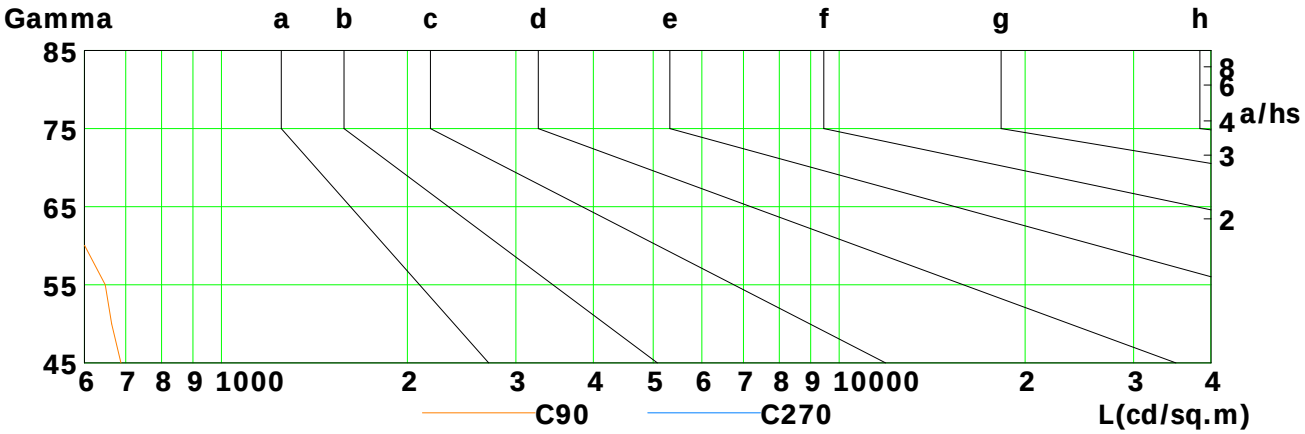
| | |
|---|---|
| ( 10%): 0.0 lx | ( 20%): 0.1 lx |
| ( 25%): 0.1 lx | ( 30%): 0.1 lx |
| ( 40%): 0.2 lx | ( 50%): 0.2 lx |
| ( 60%): 0.2 lx | ( 70%): 0.3 lx |
| ( 80%): 0.3 lx | ( 90%): 0.3 lx |

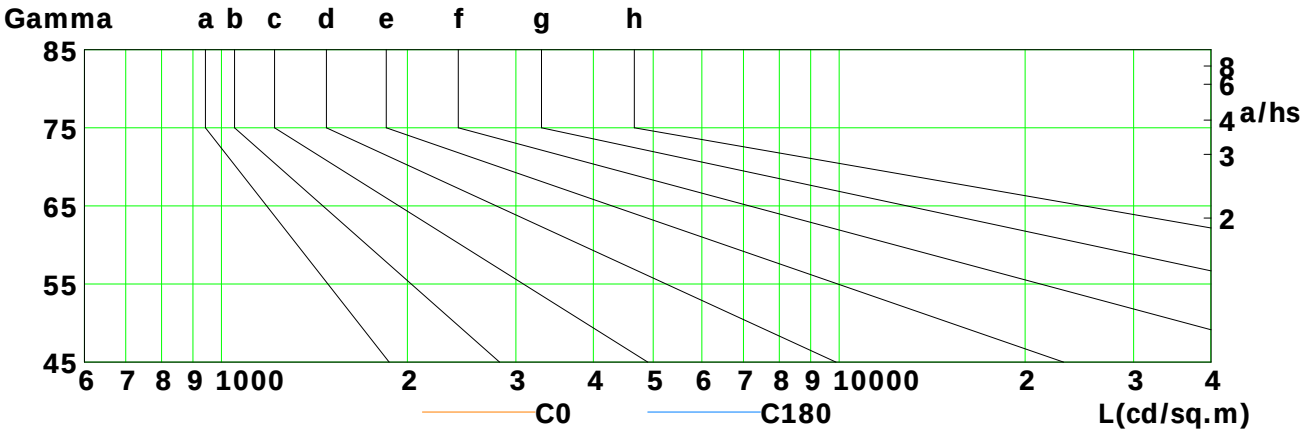
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
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 |



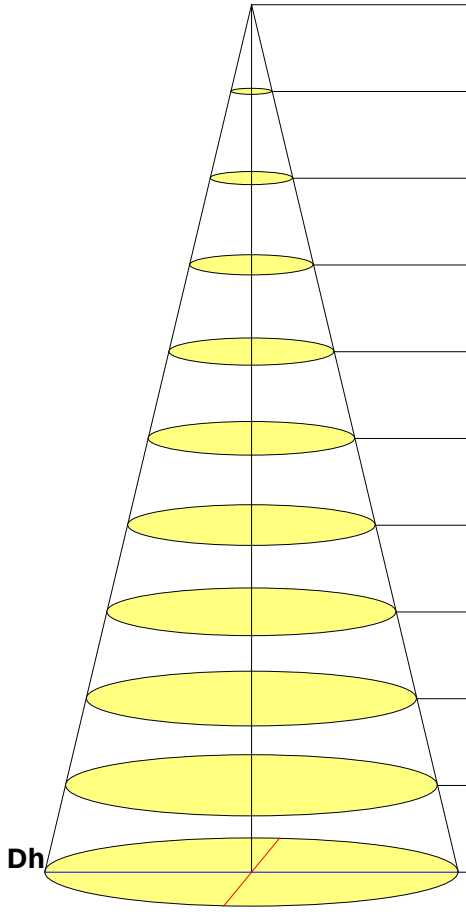




| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 440 | 393 | 346 | 292 | 233 | 167 | 107 | 51 | 22 |
| C90 | 688 | 664 | 649 | 601 | 547 | 459 | 344 | 230 | 132 |
| C180 | 419 | 370 | 317 | 253 | 185 | 117 | 61 | 28 | 12 |
| C270 | 517 | 468 | 402 | 322 | 236 | 153 | 85 | 47 | 62 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Illuminance at a Distance



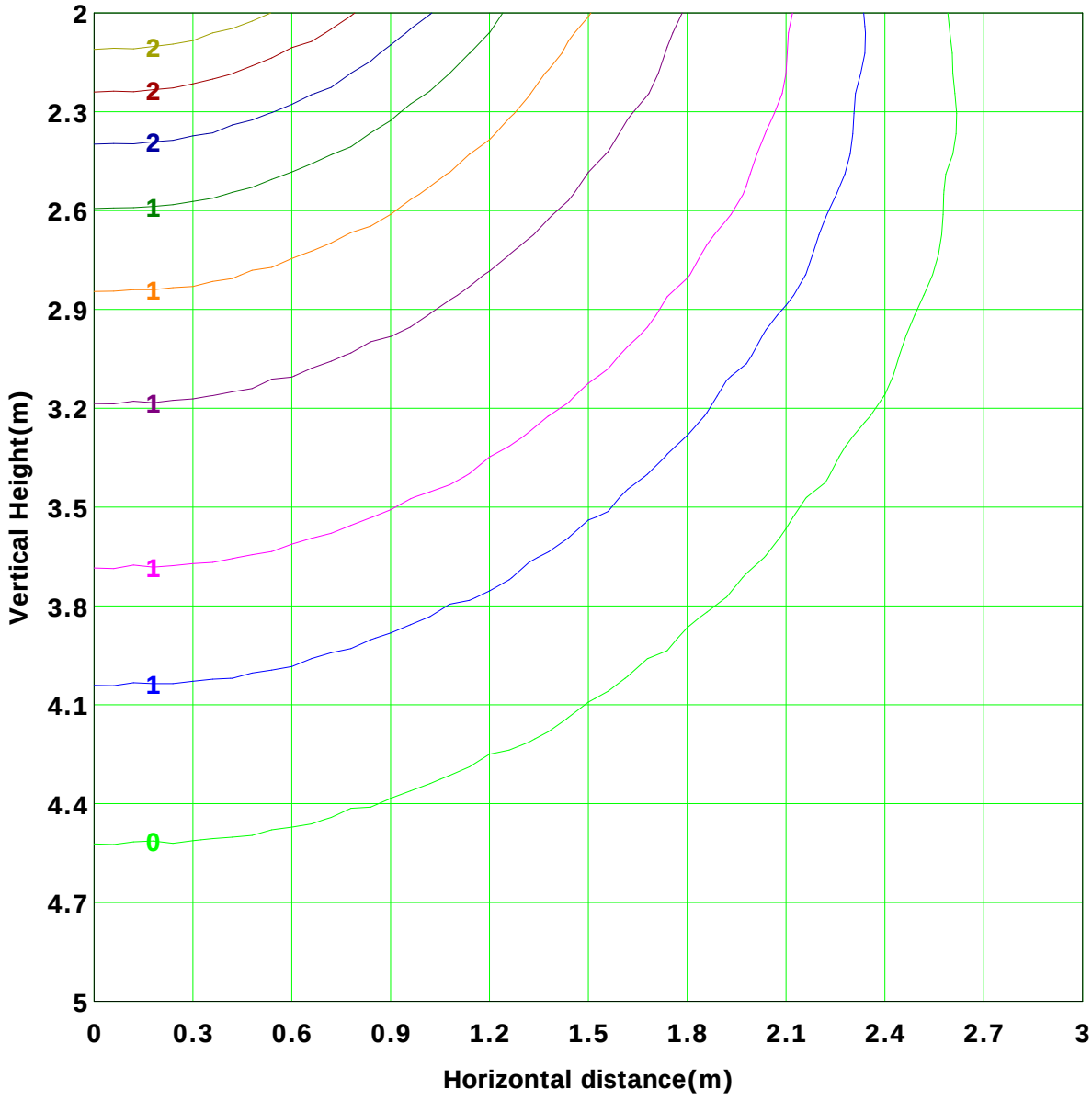

| Dist(m) | Enadir(lx) | Dh/Dv_B(m) | S_B(sq.m) | Eav_B(lx) |
|---|---|---|---|---|
| 1.0 | 9.36 | 2.69/2.70 | 6.0 | 1.67 |
| 2.0 | 2.34 | 5.38/5.39 | 23.9 | 0.42 |
| 3.0 | 1.04 | 8.08/8.09 | 53.9 | 0.19 |
| 4.0 | 0.58 | 10.77/10.79 | 95.8 | 0.10 |
| 5.0 | 0.37 | 13.46/13.48 | 149.7 | 0.07 |
| 6.0 | 0.26 | 16.15/16.18 | 215.5 | 0.05 |
| 7.0 | 0.19 | 18.85/18.88 | 293.4 | 0.03 |
| 8.0 | 0.15 | 21.54/21.57 | 383.2 | 0.03 |
| 9.0 | 0.12 | 24.23/24.27 | 485.0 | 0.02 |
| 10.0 | 0.09 | 26.92/26.96 | 598.7 | 0.02 |

Beam Angle(B): H106.8 V106.9 Field Angle(F): H148.5 V148.6

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Vertical IsoLux Plot




Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 2.3 lx

| | |
|---|---|
| ( 10%): 0.2 lx | ( 20%): 0.5 lx |
| ( 25%): 0.6 lx | ( 30%): 0.7 lx |
| ( 40%): 0.9 lx | ( 50%): 1.2 lx |
| ( 60%): 1.4 lx | ( 70%): 1.6 lx |
| ( 80%): 1.9 lx | ( 90%): 2.1 lx |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Area Flux Table

Unit: lm

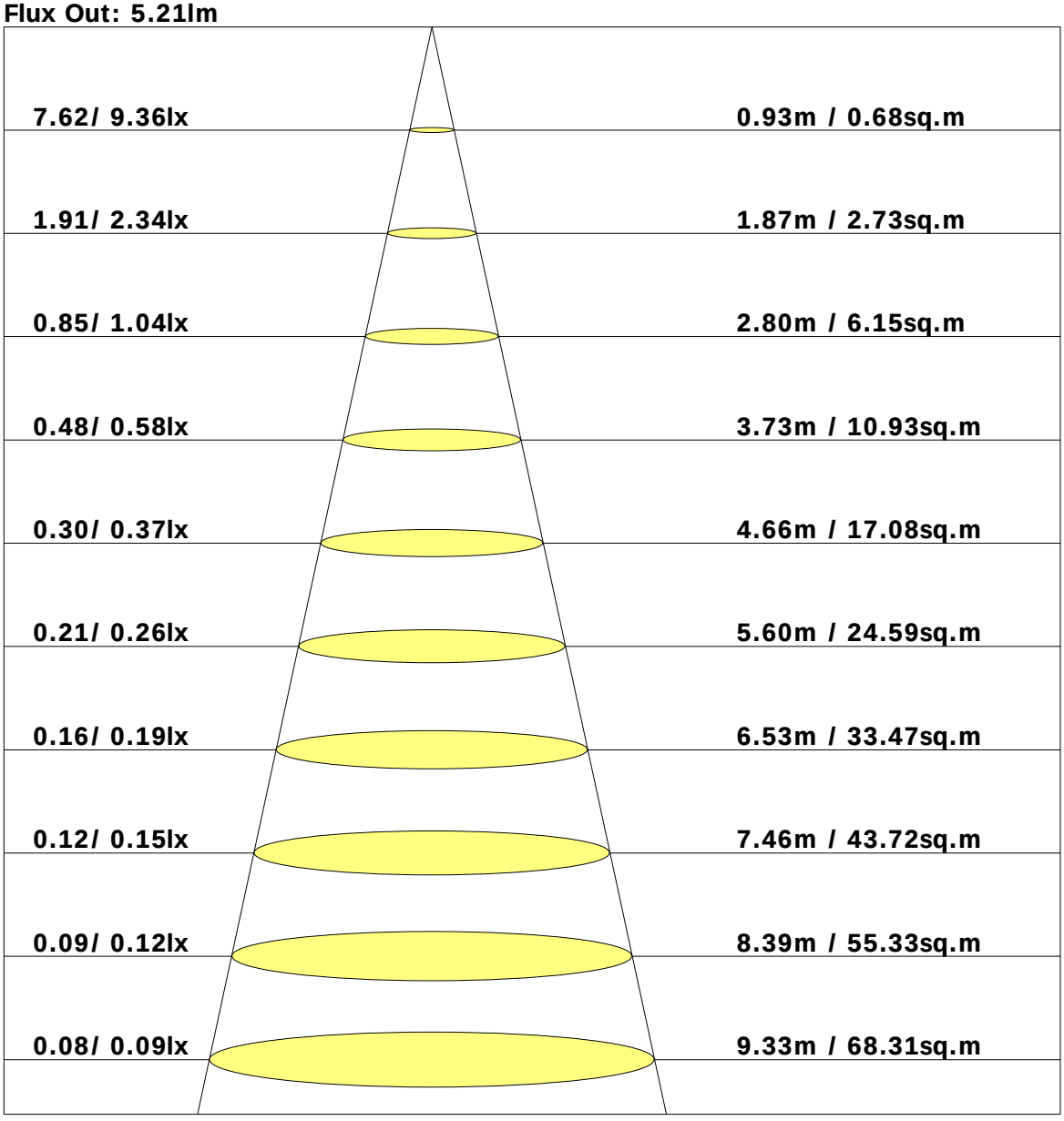
| Horizontal plane | Vertical plane | | | | | | | | | | | | | | | | | | | | | | | Flux(E) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 | -10 | -20 | -30 | -40 | -50 | -60 | -70 | -80 | -90 | Flux(T) | Flux(E) |
| -90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| -80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| -70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| -60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| -50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| -40 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 |
| -30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 |
| -20 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 |
| -10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 2.9 | 2.9 |
| 0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 2.9 | 2.9 |
| 10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 |
| 20 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 |
| 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.2 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 90 | | | | | | | | | | | | | | | | | | | | 24 | 24 |
| Flux(T) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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(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 | | |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# The Average Illuminance Effective Figure

Flux Out: 5.21lm




Height | Avg./Nadir. E | Beam Angle:50.0° | Diameter / Area

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
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 | 21.9 | 23.4 | 22.3 | 23.8 | 24.1 | 22.3 | 23.8 | 22.7 | 24.2 | 24.6 |
| 3H | 23.1 | 24.5 | 23.5 | 24.9 | 25.3 | 23.6 | 24.9 | 24.0 | 25.3 | 25.7 |
| 4H | 23.4 | 24.7 | 23.9 | 25.1 | 25.5 | 23.9 | 25.2 | 24.3 | 25.5 | 26.0 |
| 6H | 23.6 | 24.8 | 24.0 | 25.2 | 25.6 | 24.0 | 25.2 | 24.5 | 25.6 | 26.1 |
| 8H | 23.6 | 24.7 | 24.0 | 25.1 | 25.6 | 24.0 | 25.2 | 24.5 | 25.6 | 26.0 |
| 12H | 23.6 | 24.7 | 24.0 | 25.1 | 25.6 | 24.0 | 25.1 | 24.5 | 25.5 | 26.0 |
| X=4H Y=2H | 22.2 | 23.5 | 22.6 | 23.9 | 24.3 | 22.8 | 24.0 | 23.2 | 24.4 | 24.9 |
| 3H | 23.5 | 24.6 | 24.0 | 25.0 | 25.5 | 24.2 | 25.3 | 24.6 | 25.7 | 26.1 |
| 4H | 23.9 | 24.9 | 24.4 | 25.3 | 25.8 | 24.6 | 25.5 | 25.0 | 26.0 | 26.5 |
| 6H | 24.1 | 24.9 | 24.6 | 25.4 | 25.9 | 24.8 | 25.6 | 25.3 | 26.1 | 26.6 |
| 8H | 24.1 | 24.9 | 24.6 | 25.4 | 25.9 | 24.8 | 25.6 | 25.3 | 26.1 | 26.6 |
| 12H | 24.1 | 24.8 | 24.6 | 25.3 | 25.9 | 24.8 | 25.5 | 25.3 | 26.0 | 26.6 |
| X=8H Y=4H | 24.0 | 24.7 | 24.5 | 25.2 | 25.7 | 24.7 | 25.5 | 25.2 | 25.9 | 26.5 |
| 6H | 24.2 | 24.8 | 24.7 | 25.3 | 25.9 | 24.9 | 25.6 | 25.5 | 26.1 | 26.6 |
| 8H | 24.2 | 24.8 | 24.8 | 25.3 | 25.9 | 25.0 | 25.6 | 25.5 | 26.1 | 26.6 |
| 12H | 24.2 | 24.7 | 24.8 | 25.3 | 25.9 | 25.0 | 25.5 | 25.6 | 26.0 | 26.7 |
| X=12H Y=4H | 24.0 | 24.6 | 24.5 | 25.2 | 25.7 | 24.7 | 25.4 | 25.2 | 25.9 | 26.4 |
| 6H | 24.2 | 24.7 | 24.7 | 25.2 | 25.8 | 24.9 | 25.5 | 25.5 | 26.0 | 26.6 |
| 8H | 24.2 | 24.7 | 24.8 | 25.3 | 25.9 | 25.0 | 25.5 | 25.5 | 26.0 | 26.6 |

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F) | | | | | | SHR NOM = 1.25 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.59 | 0.70 | 0.77 | 0.82 | 0.89 | 0.94 | 0.97 | 1.01 | 1.04 |
| | 0.30 | | 0.51 | 0.62 | 0.70 | 0.76 | 0.83 | 0.89 | 0.93 | 0.98 | 1.01 |
| | 0.20 | | 0.46 | 0.57 | 0.65 | 0.70 | 0.79 | 0.85 | 0.89 | 0.94 | 0.98 |
| 0.50 | 0.50 | 0.20 | 0.57 | 0.67 | 0.74 | 0.79 | 0.86 | 0.90 | 0.93 | 0.97 | 1.00 |
| | 0.30 | | 0.50 | 0.61 | 0.68 | 0.74 | 0.81 | 0.86 | 0.89 | 0.94 | 0.97 |
| | 0.20 | | 0.46 | 0.56 | 0.64 | 0.69 | 0.77 | 0.82 | 0.86 | 0.91 | 0.95 |
| 0.30 | 0.50 | 0.20 | 0.56 | 0.65 | 0.72 | 0.76 | 0.83 | 0.87 | 0.90 | 0.93 | 0.95 |
| | 0.30 | | 0.50 | 0.60 | 0.67 | 0.72 | 0.79 | 0.83 | 0.86 | 0.91 | 0.93 |
| | 0.20 | | 0.45 | 0.55 | 0.63 | 0.68 | 0.75 | 0.80 | 0.84 | 0.88 | 0.91 |
| 0.00 | 0.00 | 0.00 | 0.43 | 0.53 | 0.60 | 0.65 | 0.72 | 0.76 | 0.79 | 0.84 | 0.86 |

Rating:1W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Utilisation Factor Table(Wall)

| Utilisation Factors UF(W) | | | SHR NOM = 1.25 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.95 | 0.77 | 0.65 | 0.56 | 0.45 | 0.37 | 0.31 | 0.24 | 0.20 |
| | 0.30 | | 0.79 | 0.66 | 0.57 | 0.50 | 0.40 | 0.34 | 0.29 | 0.23 | 0.19 |
| | 0.20 | | 0.68 | 0.58 | 0.50 | 0.45 | 0.37 | 0.31 | 0.27 | 0.21 | 0.18 |
| 0.50 | 0.50 | 0.20 | 0.91 | 0.74 | 0.62 | 0.54 | 0.42 | 0.38 | 0.30 | 0.23 | 0.18 |
| | 0.30 | | 0.77 | 0.64 | 0.55 | 0.48 | 0.39 | 0.32 | 0.28 | 0.21 | 0.18 |
| | 0.20 | | 0.67 | 0.57 | 0.49 | 0.44 | 0.36 | 0.30 | 0.26 | 0.20 | 0.17 |
| 0.30 | 0.50 | 0.20 | 0.88 | 0.71 | 0.59 | 0.51 | 0.40 | 0.33 | 0.28 | 0.21 | 0.17 |
| | 0.30 | | 0.75 | 0.62 | 0.53 | 0.46 | 0.37 | 0.31 | 0.26 | 0.20 | 0.17 |
| | 0.20 | | 0.66 | 0.56 | 0.48 | 0.42 | 0.34 | 0.29 | 0.25 | 0.20 | 0.16 |
| 0.00 | 0.00 | 0.00 | 0.55 | 0.45 | 0.39 | 0.33 | 0.27 | 0.22 | 0.19 | 0.14 | 0.12 |

Rating:1W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C) | | | SHR NOM = 1.25 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 |
| | 0.30 | | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 |
| | 0.20 | | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.18 | 0.19 |
| 0.50 | 0.50 | 0.20 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 |
| | 0.30 | | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 | 0.18 | 0.18 | 0.20 | 0.20 |
| | 0.20 | | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |
| 0.30 | 0.50 | 0.20 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 |
| | 0.30 | | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
| | 0.20 | | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |
| 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |

Rating:1W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Zonal Lumen

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|---|---|---|---|---|---|
| 0.0-1.0 | 9.4 | 0.0 | 0.0 | 0.04 | 0.04 |
| 1.0-2.0 | 9.4 | 0.0 | 0.0 | 0.11 | 0.14 |
| 2.0-3.0 | 9.3 | 0.0 | 0.1 | 0.18 | 0.33 |
| 3.0-4.0 | 9.4 | 0.1 | 0.1 | 0.25 | 0.58 |
| 4.0-5.0 | 9.3 | 0.1 | 0.2 | 0.33 | 0.90 |
| 5.0-6.0 | 9.3 | 0.1 | 0.3 | 0.40 | 1.30 |
| 6.0-7.0 | 9.3 | 0.1 | 0.4 | 0.47 | 1.77 |
| 7.0-8.0 | 9.3 | 0.1 | 0.6 | 0.54 | 2.30 |
| 8.0-9.0 | 9.2 | 0.1 | 0.7 | 0.61 | 2.91 |
| 9.0-10.0 | 9.2 | 0.2 | 0.9 | 0.67 | 3.58 |
| 10.0-11.0 | 9.2 | 0.2 | 1.1 | 0.74 | 4.32 |
| 11.0-12.0 | 9.1 | 0.2 | 1.3 | 0.81 | 5.13 |
| 12.0-13.0 | 9.1 | 0.2 | 1.5 | 0.87 | 6.00 |
| 13.0-14.0 | 9.0 | 0.2 | 1.7 | 0.94 | 6.94 |
| 14.0-15.0 | 9.0 | 0.2 | 2.0 | 1.00 | 7.93 |
| 15.0-16.0 | 8.9 | 0.3 | 2.2 | 1.06 | 8.99 |
| 16.0-17.0 | 8.9 | 0.3 | 2.5 | 1.12 | 10.11 |
| 17.0-18.0 | 8.8 | 0.3 | 2.8 | 1.18 | 11.29 |
| 18.0-19.0 | 8.8 | 0.3 | 3.1 | 1.24 | 12.53 |
| 19.0-20.0 | 8.7 | 0.3 | 3.4 | 1.29 | 13.82 |
| 20.0-21.0 | 8.7 | 0.3 | 3.8 | 1.34 | 15.17 |
| 21.0-22.0 | 8.6 | 0.3 | 4.1 | 1.40 | 16.56 |
| 22.0-23.0 | 8.5 | 0.4 | 4.5 | 1.45 | 18.01 |
| 23.0-24.0 | 8.5 | 0.4 | 4.8 | 1.50 | 19.51 |
| 24.0-25.0 | 8.4 | 0.4 | 5.2 | 1.54 | 21.05 |
| 25.0-26.0 | 8.3 | 0.4 | 5.6 | 1.58 | 22.64 |
| 26.0-27.0 | 8.2 | 0.4 | 6.0 | 1.63 | 24.26 |
| 27.0-28.0 | 8.1 | 0.4 | 6.4 | 1.66 | 25.93 |
| 28.0-29.0 | 8.0 | 0.4 | 6.8 | 1.70 | 27.63 |
| 29.0-30.0 | 8.0 | 0.4 | 7.3 | 1.74 | 29.37 |
| 30.0-31.0 | 7.9 | 0.4 | 7.7 | 1.77 | 31.13 |
| 31.0-32.0 | 7.7 | 0.4 | 8.1 | 1.79 | 32.93 |
| 32.0-33.0 | 7.6 | 0.4 | 8.6 | 1.82 | 34.74 |
| 33.0-34.0 | 7.5 | 0.5 | 9.0 | 1.84 | 36.58 |
| 34.0-35.0 | 7.4 | 0.5 | 9.5 | 1.86 | 38.44 |
| 35.0-36.0 | 7.3 | 0.5 | 10.0 | 1.88 | 40.32 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Zonal Lumen (Continue 1)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|---|---|---|---|---|---|
| 36.0-37.0 | 7.2 | 0.5 | 10.4 | 1.89 | 42.21 |
| 37.0-38.0 | 7.1 | 0.5 | 10.9 | 1.91 | 44.12 |
| 38.0-39.0 | 6.9 | 0.5 | 11.4 | 1.91 | 46.03 |
| 39.0-40.0 | 6.8 | 0.5 | 11.9 | 1.91 | 47.94 |
| 40.0-41.0 | 6.7 | 0.5 | 12.3 | 1.92 | 49.86 |
| 41.0-42.0 | 6.5 | 0.5 | 12.8 | 1.92 | 51.79 |
| 42.0-43.0 | 6.4 | 0.5 | 13.3 | 1.92 | 53.71 |
| 43.0-44.0 | 6.3 | 0.5 | 13.8 | 1.91 | 55.62 |
| 44.0-45.0 | 6.1 | 0.5 | 14.2 | 1.90 | 57.51 |
| 45.0-46.0 | 5.9 | 0.5 | 14.7 | 1.88 | 59.39 |
| 46.0-47.0 | 5.8 | 0.5 | 15.2 | 1.86 | 61.26 |
| 47.0-48.0 | 5.7 | 0.5 | 15.6 | 1.85 | 63.10 |
| 48.0-49.0 | 5.5 | 0.5 | 16.1 | 1.82 | 64.93 |
| 49.0-50.0 | 5.3 | 0.4 | 16.5 | 1.80 | 66.72 |
| 50.0-51.0 | 5.2 | 0.4 | 16.9 | 1.77 | 68.49 |
| 51.0-52.0 | 5.0 | 0.4 | 17.4 | 1.73 | 70.22 |
| 52.0-53.0 | 4.8 | 0.4 | 17.8 | 1.70 | 71.92 |
| 53.0-54.0 | 4.7 | 0.4 | 18.2 | 1.66 | 73.58 |
| 54.0-55.0 | 4.5 | 0.4 | 18.6 | 1.62 | 75.21 |
| 55.0-56.0 | 4.3 | 0.4 | 19.0 | 1.58 | 76.79 |
| 56.0-57.0 | 4.2 | 0.4 | 19.4 | 1.53 | 78.32 |
| 57.0-58.0 | 4.0 | 0.4 | 19.7 | 1.48 | 79.81 |
| 58.0-59.0 | 3.8 | 0.4 | 20.1 | 1.43 | 81.23 |
| 59.0-60.0 | 3.6 | 0.3 | 20.4 | 1.37 | 82.60 |
| 60.0-61.0 | 3.4 | 0.3 | 20.8 | 1.31 | 83.92 |
| 61.0-62.0 | 3.2 | 0.3 | 21.1 | 1.25 | 85.17 |
| 62.0-63.0 | 3.0 | 0.3 | 21.4 | 1.19 | 86.36 |
| 63.0-64.0 | 2.8 | 0.3 | 21.6 | 1.12 | 87.49 |
| 64.0-65.0 | 2.6 | 0.3 | 21.9 | 1.06 | 88.54 |
| 65.0-66.0 | 2.5 | 0.2 | 22.1 | 0.99 | 89.54 |
| 66.0-67.0 | 2.3 | 0.2 | 22.4 | 0.93 | 90.46 |
| 67.0-68.0 | 2.1 | 0.2 | 22.6 | 0.86 | 91.32 |
| 68.0-69.0 | 1.9 | 0.2 | 22.8 | 0.79 | 92.11 |
| 69.0-70.0 | 1.7 | 0.2 | 23.0 | 0.73 | 92.83 |
| 70.0-71.0 | 1.6 | 0.2 | 23.1 | 0.67 | 93.50 |
| 71.0-72.0 | 1.4 | 0.1 | 23.3 | 0.60 | 94.10 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Zonal Lumen (Continue 2)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|---|---|---|---|---|---|
| 72.0-73.0 | 1.3 | 0.1 | 23.4 | 0.55 | 94.65 |
| 73.0-74.0 | 1.2 | 0.1 | 23.5 | 0.49 | 95.14 |
| 74.0-75.0 | 1.0 | 0.1 | 23.6 | 0.44 | 95.58 |
| 75.0-76.0 | 0.9 | 0.1 | 23.7 | 0.38 | 95.96 |
| 76.0-77.0 | 0.8 | 0.1 | 23.8 | 0.33 | 96.29 |
| 77.0-78.0 | 0.7 | 0.1 | 23.9 | 0.29 | 96.58 |
| 78.0-79.0 | 0.6 | 0.1 | 24.0 | 0.25 | 96.83 |
| 79.0-80.0 | 0.5 | 0.1 | 24.0 | 0.21 | 97.05 |
| 80.0-81.0 | 0.4 | 0.0 | 24.0 | 0.18 | 97.23 |
| 81.0-82.0 | 0.4 | 0.0 | 24.1 | 0.15 | 97.38 |
| 82.0-83.0 | 0.3 | 0.0 | 24.1 | 0.12 | 97.50 |
| 83.0-84.0 | 0.2 | 0.0 | 24.1 | 0.10 | 97.61 |
| 84.0-85.0 | 0.2 | 0.0 | 24.2 | 0.09 | 97.70 |
| 85.0-86.0 | 0.2 | 0.0 | 24.2 | 0.07 | 97.77 |
| 86.0-87.0 | 0.1 | 0.0 | 24.2 | 0.06 | 97.83 |
| 87.0-88.0 | 0.1 | 0.0 | 24.2 | 0.05 | 97.88 |
| 88.0-89.0 | 0.1 | 0.0 | 24.2 | 0.05 | 97.93 |
| 89.0-90.0 | 0.1 | 0.0 | 24.2 | 0.04 | 97.97 |
| 90.0-91.0 | 0.1 | 0.0 | 24.2 | 0.04 | 98.01 |
| 91.0-92.0 | 0.1 | 0.0 | 24.2 | 0.03 | 98.04 |
| 92.0-93.0 | 0.1 | 0.0 | 24.3 | 0.02 | 98.06 |
| 93.0-94.0 | 0.1 | 0.0 | 24.3 | 0.03 | 98.09 |
| 94.0-95.0 | 0.1 | 0.0 | 24.3 | 0.03 | 98.13 |
| 95.0-96.0 | 0.1 | 0.0 | 24.3 | 0.03 | 98.16 |
| 96.0-97.0 | 0.1 | 0.0 | 24.3 | 0.03 | 98.19 |
| 97.0-98.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.23 |
| 98.0-99.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.27 |
| 99.0-100.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.31 |
| 100.0-101.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.34 |
| 101.0-102.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.38 |
| 102.0-103.0 | 0.1 | 0.0 | 24.3 | 0.04 | 98.42 |
| 103.0-104.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.46 |
| 104.0-105.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.50 |
| 105.0-106.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.54 |
| 106.0-107.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.58 |
| 107.0-108.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.62 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Zonal Lumen (Continue 3)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|---|---|---|---|---|---|
| 108.0-109.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.66 |
| 109.0-110.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.69 |
| 110.0-111.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.73 |
| 111.0-112.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.77 |
| 112.0-113.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.81 |
| 113.0-114.0 | 0.1 | 0.0 | 24.4 | 0.04 | 98.84 |
| 114.0-115.0 | 0.1 | 0.0 | 24.5 | 0.03 | 98.87 |
| 115.0-116.0 | 0.1 | 0.0 | 24.5 | 0.03 | 98.91 |
| 116.0-117.0 | 0.1 | 0.0 | 24.5 | 0.04 | 98.94 |
| 117.0-118.0 | 0.1 | 0.0 | 24.5 | 0.03 | 98.98 |
| 118.0-119.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.01 |
| 119.0-120.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.04 |
| 120.0-121.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.07 |
| 121.0-122.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.10 |
| 122.0-123.0 | 0.1 | 0.0 | 24.5 | 0.02 | 99.12 |
| 123.0-124.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.15 |
| 124.0-125.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.17 |
| 125.0-126.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.20 |
| 126.0-127.0 | 0.1 | 0.0 | 24.5 | 0.03 | 99.23 |
| 127.0-128.0 | 0.1 | 0.0 | 24.6 | 0.03 | 99.26 |
| 128.0-129.0 | 0.1 | 0.0 | 24.6 | 0.03 | 99.29 |
| 129.0-130.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.31 |
| 130.0-131.0 | 0.1 | 0.0 | 24.6 | 0.03 | 99.34 |
| 131.0-132.0 | 0.1 | 0.0 | 24.6 | 0.03 | 99.36 |
| 132.0-133.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.39 |
| 133.0-134.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.41 |
| 134.0-135.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.43 |
| 135.0-136.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.46 |
| 136.0-137.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.48 |
| 137.0-138.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.50 |
| 138.0-139.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.52 |
| 139.0-140.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.54 |
| 140.0-141.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.56 |
| 141.0-142.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.59 |
| 142.0-143.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.61 |
| 143.0-144.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.63 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# Zonal Lumen (Continue 4)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|---|---|---|---|---|---|
| 144.0-145.0 | 0.1 | 0.0 | 24.6 | 0.02 | 99.65 |
| 145.0-146.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.67 |
| 146.0-147.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.69 |
| 147.0-148.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.71 |
| 148.0-149.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.73 |
| 149.0-150.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.74 |
| 150.0-151.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.76 |
| 151.0-152.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.78 |
| 152.0-153.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.79 |
| 153.0-154.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.81 |
| 154.0-155.0 | 0.1 | 0.0 | 24.7 | 0.02 | 99.83 |
| 155.0-156.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.84 |
| 156.0-157.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.85 |
| 157.0-158.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.86 |
| 158.0-159.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.88 |
| 159.0-160.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.89 |
| 160.0-161.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.90 |
| 161.0-162.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.91 |
| 162.0-163.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.92 |
| 163.0-164.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.93 |
| 164.0-165.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.94 |
| 165.0-166.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.95 |
| 166.0-167.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.96 |
| 167.0-168.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.96 |
| 168.0-169.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.97 |
| 169.0-170.0 | 0.1 | 0.0 | 24.7 | 0.01 | 99.97 |
| 170.0-171.0 | 0.1 | 0.0 | 24.7 | 0.00 | 99.98 |
| 171.0-172.0 | 0.1 | 0.0 | 24.7 | 0.00 | 99.98 |
| 172.0-173.0 | 0.1 | 0.0 | 24.7 | 0.00 | 99.99 |
| 173.0-174.0 | 0.1 | 0.0 | 24.7 | 0.00 | 99.99 |
| 174.0-175.0 | 0.1 | 0.0 | 24.7 | 0.00 | 99.99 |
| 175.0-176.0 | 0.1 | 0.0 | 24.7 | 0.00 | 100.00 |
| 176.0-177.0 | 0.1 | 0.0 | 24.7 | 0.00 | 100.00 |
| 177.0-178.0 | 0.1 | 0.0 | 24.7 | 0.00 | 100.00 |
| 178.0-179.0 | 0.1 | 0.0 | 24.7 | 0.00 | 100.00 |
| 179.0-180.0 | 0.1 | 0.0 | 24.7 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector: