GENLED Brands
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Fax:


**Report No.: 20231017** **Test Time: 2023/10/18 10:33**

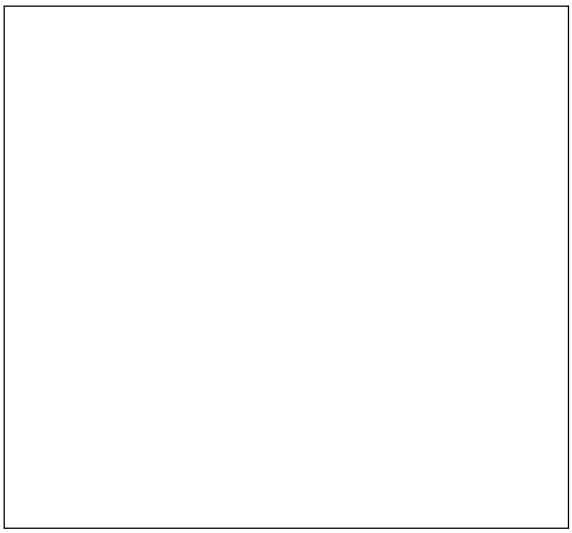
## Luminaire Property

**Luminaire Manufacturer: Acolyte**
**Luminaire Category:** Pixel RibbonLyte
**Luminaire Description: RGB-14.4W/M-WS2813A-60LED/M - Green only**
**Luminous Length (mm): 1000** **Luminous Width (mm): 10**
**Luminous Height (mm): 4** **Voltage: 24.0 V**
**Current: 0.310 A** **Power: 7.45 W**
**Power Factor: 1.000**

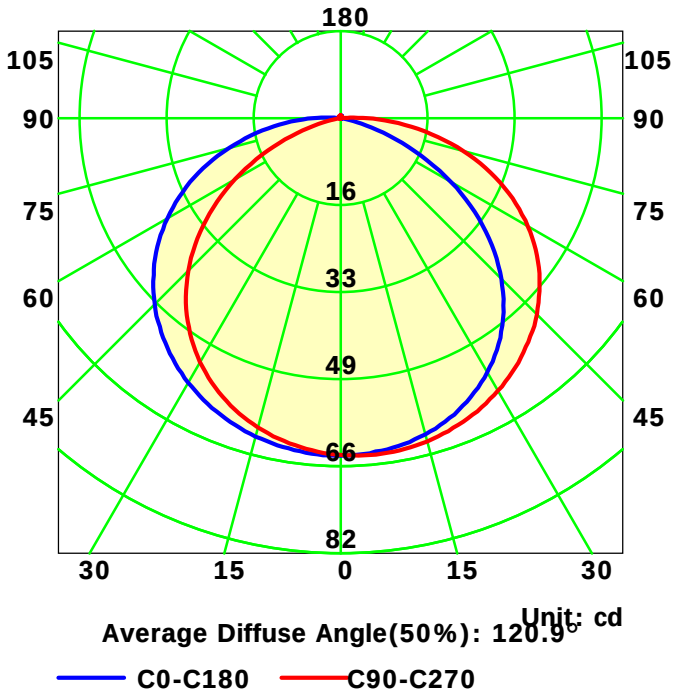
## Photometric Results

**CIE Class: Direct** **Total Rated Lamp Lumens: 202.9 lm**
**Measurement Flux: 202.9 lm** **Efficiency: 100%**
**Downward Ratio: 98%** **Upward Ratio: 2%**
**Horizontal Diffuse Angle(10%,50%): H161.6,H120.4**
**Vertical Diffuse Angle(10%,50%): V161.9,V121.5**
**Luminaire Efficacy Rating (LER): 27** **Central Intensity: 64.15 cd**
**Max. Intensity: 64.38 cd** **Pos of Max. Intensity: H120 V7**

**Picture Of Luminaire**

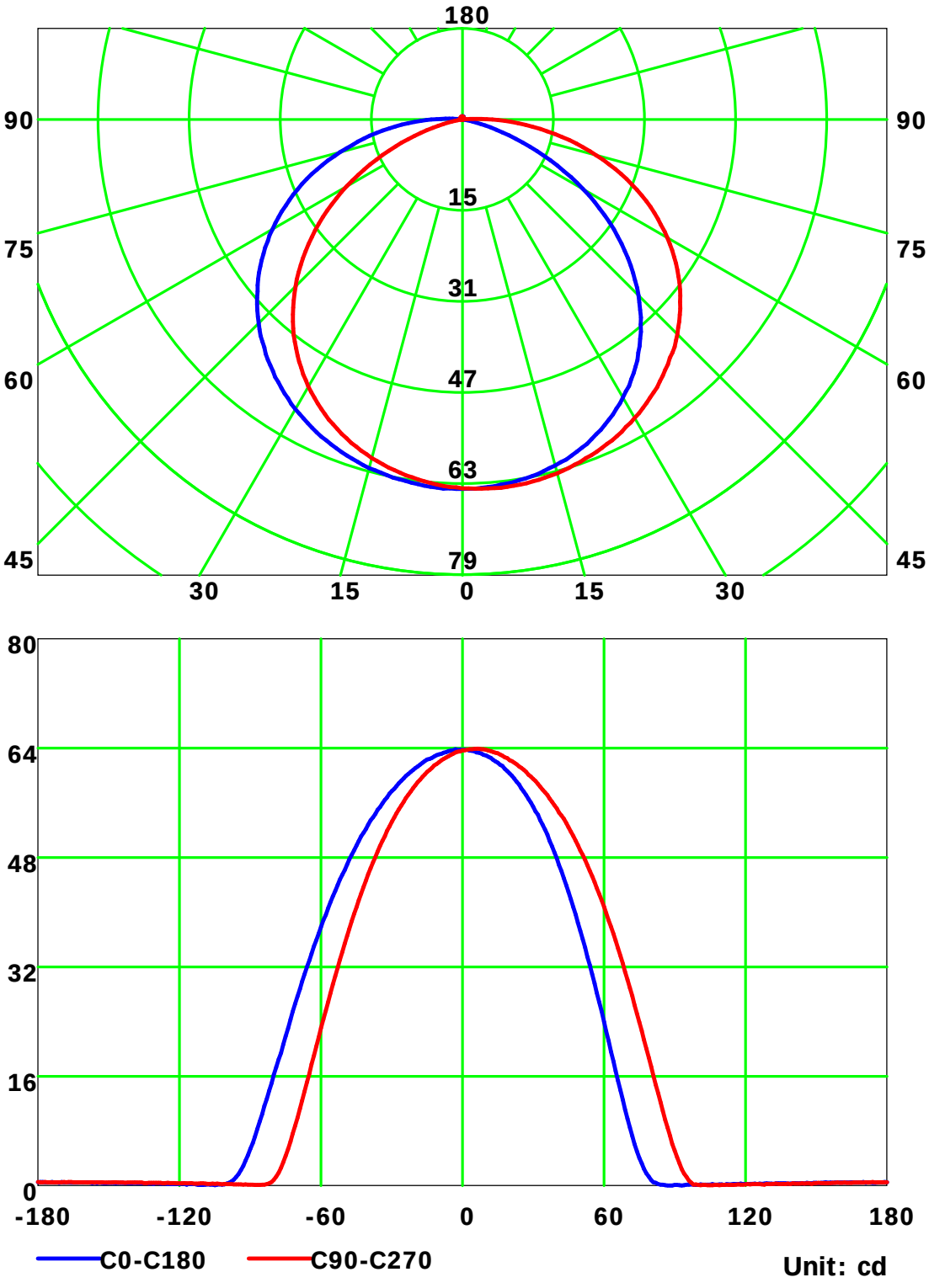


**Luminous Intensity Distribution Curve**




**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: Michael** **Inspector:**

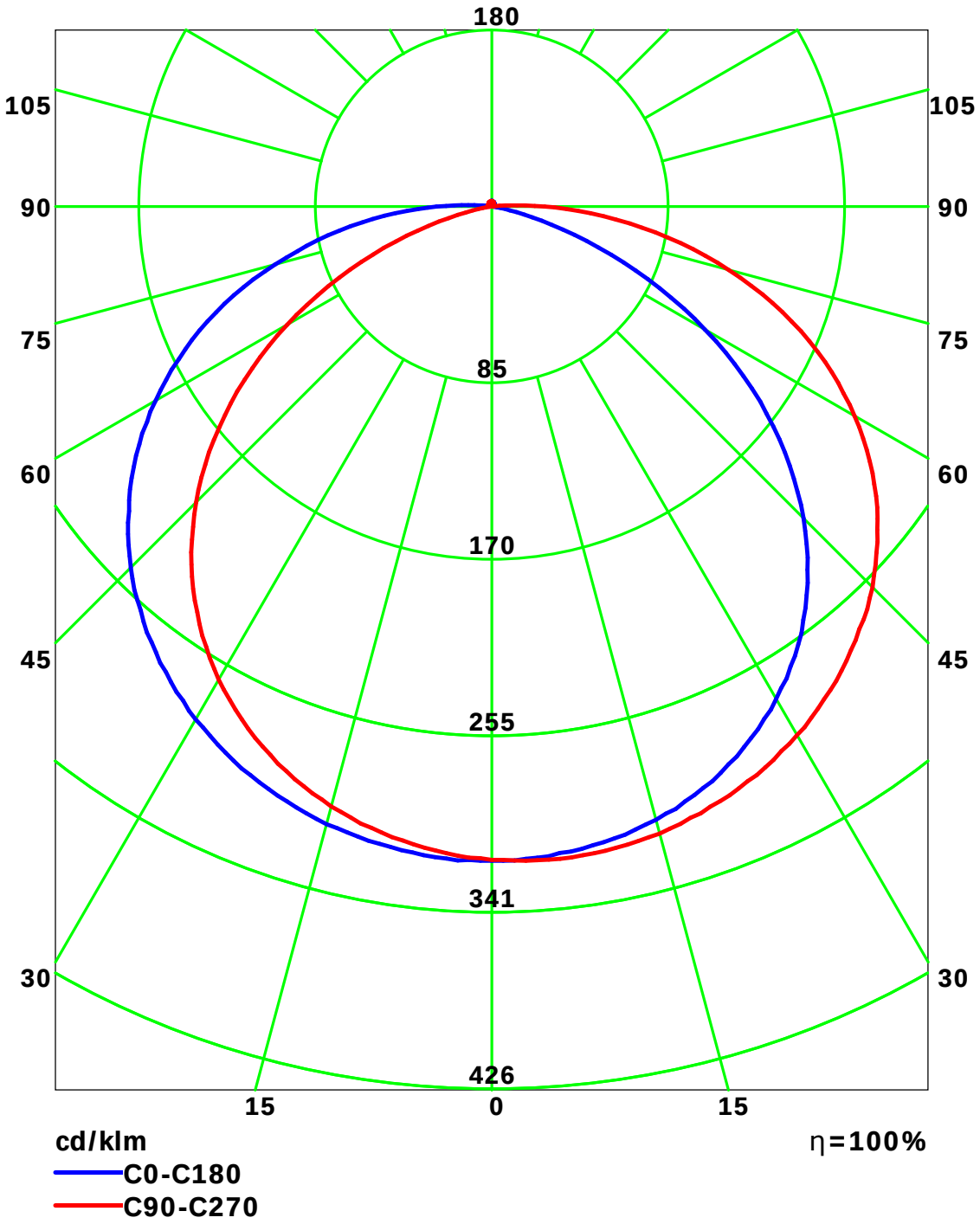
# Luminous Intensity Distribution Curve




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

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: Michael

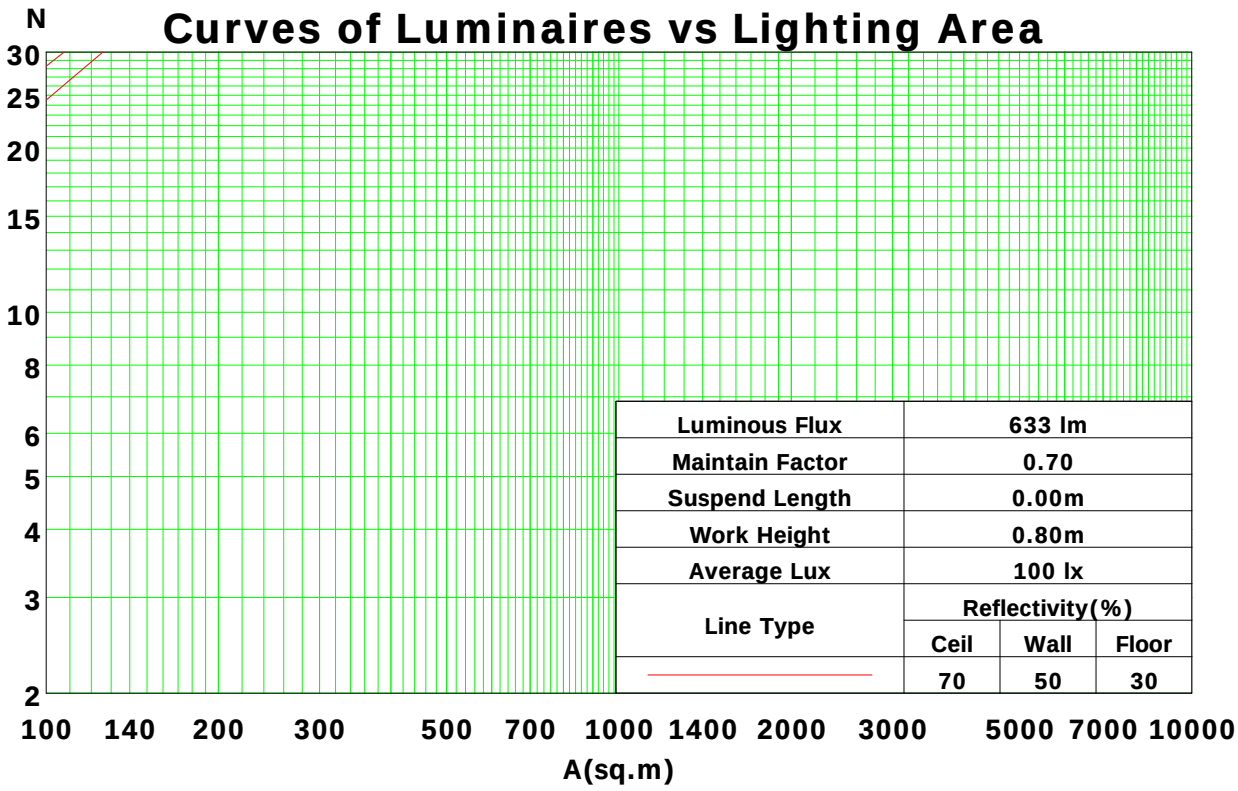
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

# 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 | 101 | 101 | 101 | 98 |
| 1 | 108 | 103 | 98 | 94 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | 91 | 89 | 86 | 88 | 85 | 83 | 81 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 83 | 78 | 73 | 80 | 75 | 71 | 76 | 73 | 69 | 67 |
| 3 | 89 | 78 | 69 | 63 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | 70 | 64 | 60 | 67 | 62 | 58 | 56 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 52 | 62 | 56 | 51 | 60 | 54 | 50 | 47 |
| 5 | 75 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 43 | 41 |
| 6 | 69 | 55 | 46 | 39 | 67 | 54 | 45 | 39 | 52 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 38 | 36 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 40 | 34 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 37 | 31 | 57 | 45 | 36 | 31 | 43 | 36 | 30 | 42 | 35 | 30 | 40 | 34 | 30 | 28 |
| 9 | 55 | 42 | 33 | 28 | 54 | 41 | 33 | 27 | 40 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 29 | 24 | 35 | 29 | 24 | 22 |

**Spacing Criteria (0-180): 1.32**
**Spacing Criteria (90-270): 1.31**
**Spacing Criteria (Diagonal): 1.43**

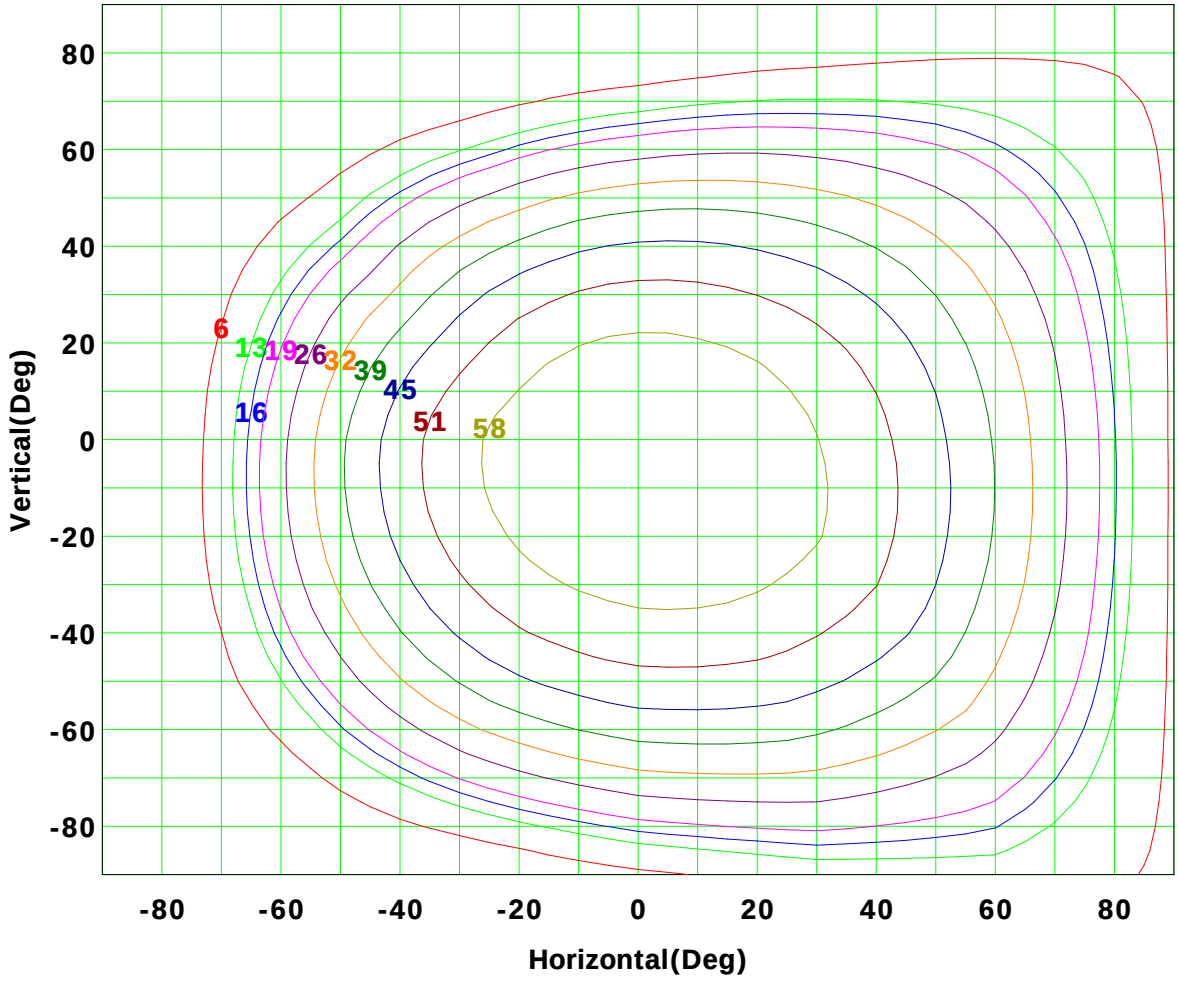
## Curves of Luminaires vs Lighting Area




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

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

# Isocandela (rectangle)



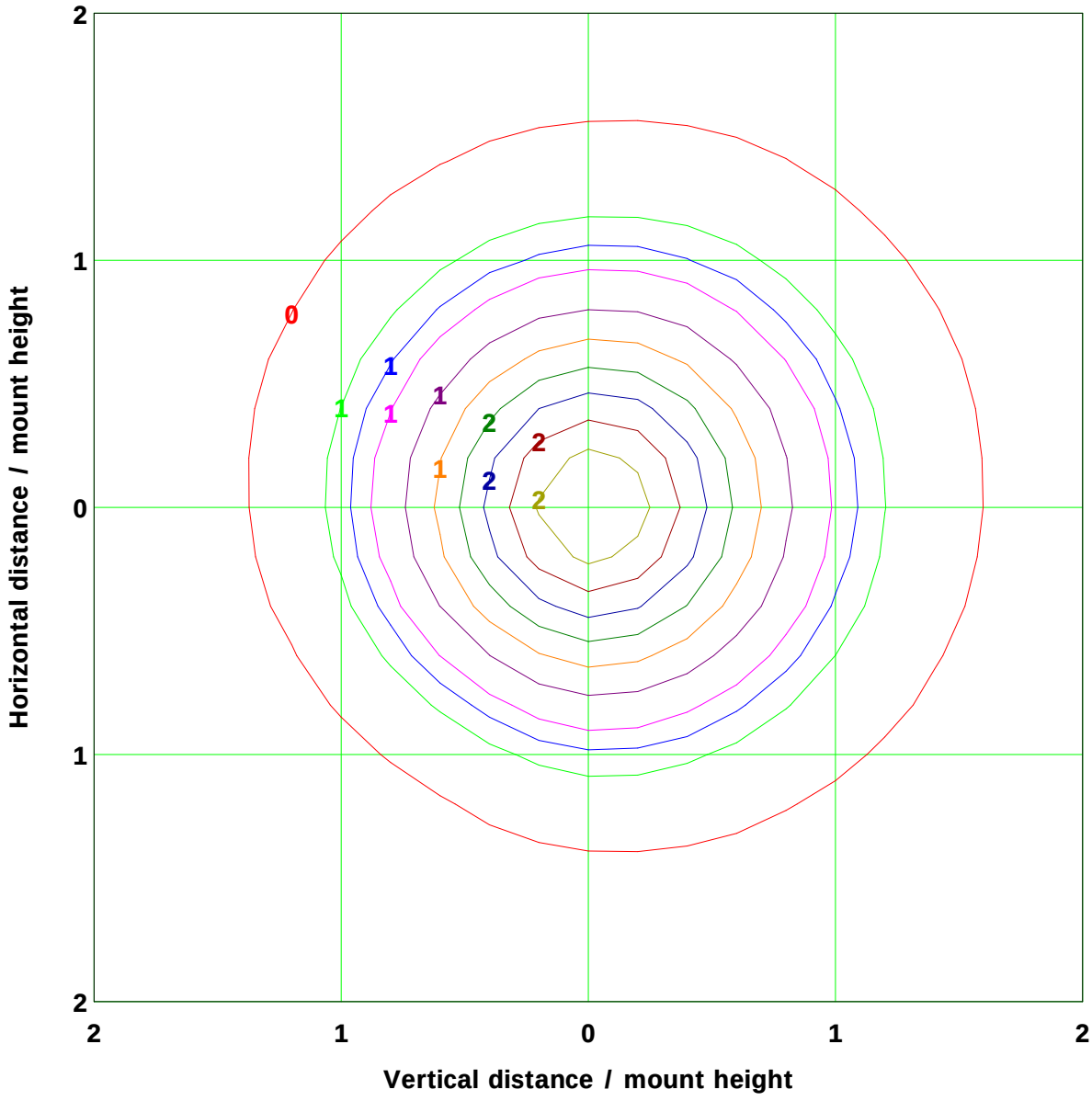

Imax (100%): 64 cd

| | | | |
|---|---|---|---|
| ( 10%): | 6 cd | ( 20%): | 13 cd |
| ( 25%): | 16 cd | ( 30%): | 19 cd |
| ( 40%): | 26 cd | ( 50%): | 32 cd |
| ( 60%): | 39 cd | ( 70%): | 45 cd |
| ( 80%): | 51 cd | ( 90%): | 58 cd |

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

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%): 2.6 lx

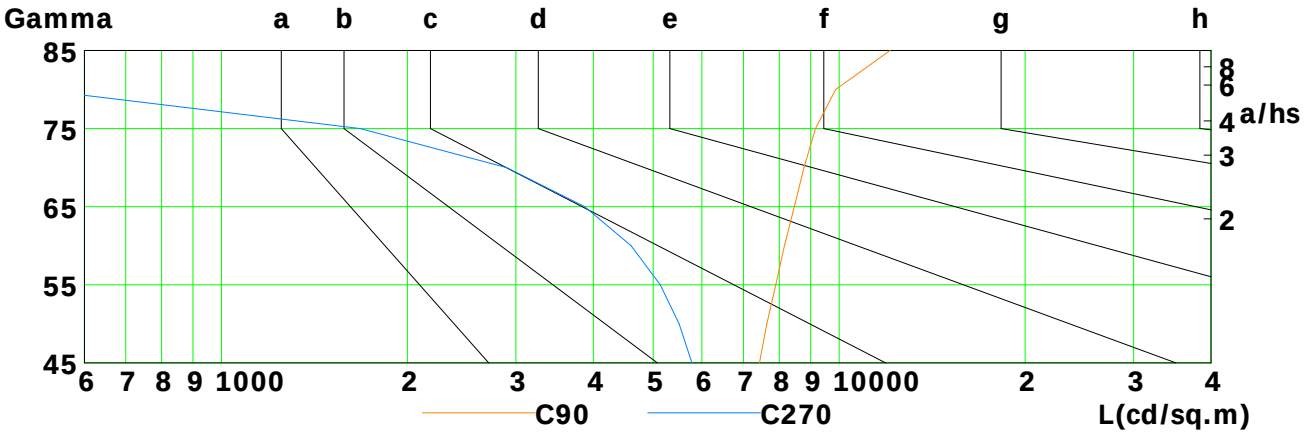
| | |
|---|---|
| ( 10%): 0.3 lx | ( 20%): 0.5 lx |
| ( 25%): 0.6 lx | ( 30%): 0.8 lx |
| ( 40%): 1.0 lx | ( 50%): 1.3 lx |
| ( 60%): 1.5 lx | ( 70%): 1.8 lx |
| ( 80%): 2.1 lx | ( 90%): 2.3 lx |

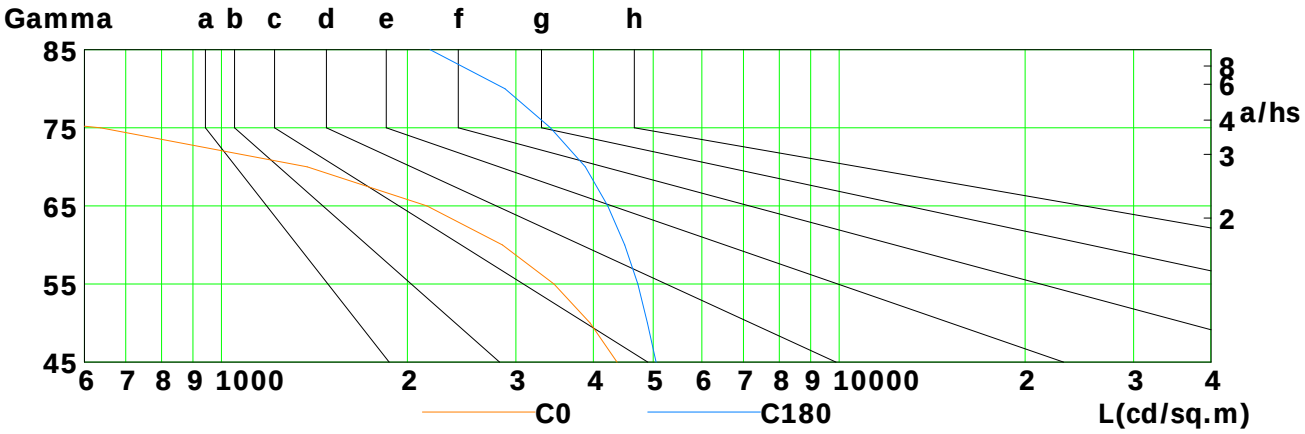
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Michael

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 |



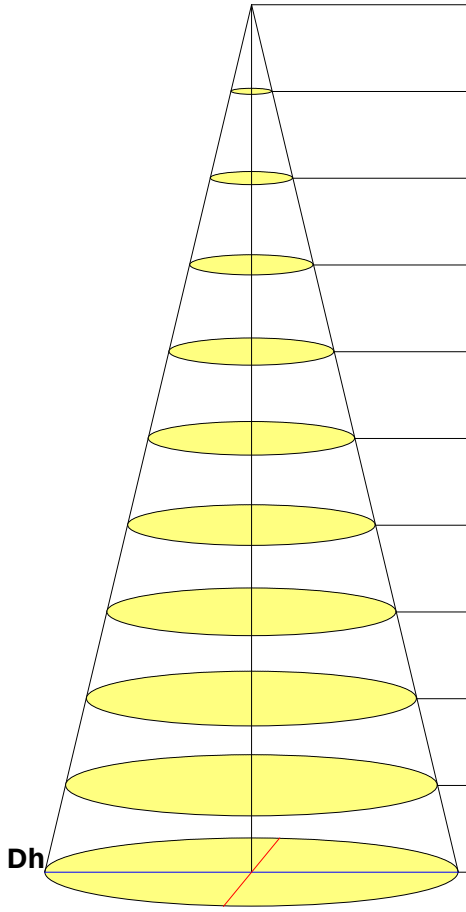




| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 4369 | 3954 | 3456 | 2852 | 2152 | 1378 | 637 | 152 | 33 |
| C90 | 7436 | 7638 | 7900 | 8161 | 8462 | 8772 | 9163 | 9877 | 12091 |
| C180 | 5058 | 4894 | 4726 | 4499 | 4223 | 3886 | 3410 | 2881 | 2177 |
| C270 | 5778 | 5512 | 5133 | 4608 | 3876 | 2898 | 1679 | 507 | 176 |

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

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

# Illuminance at a Distance



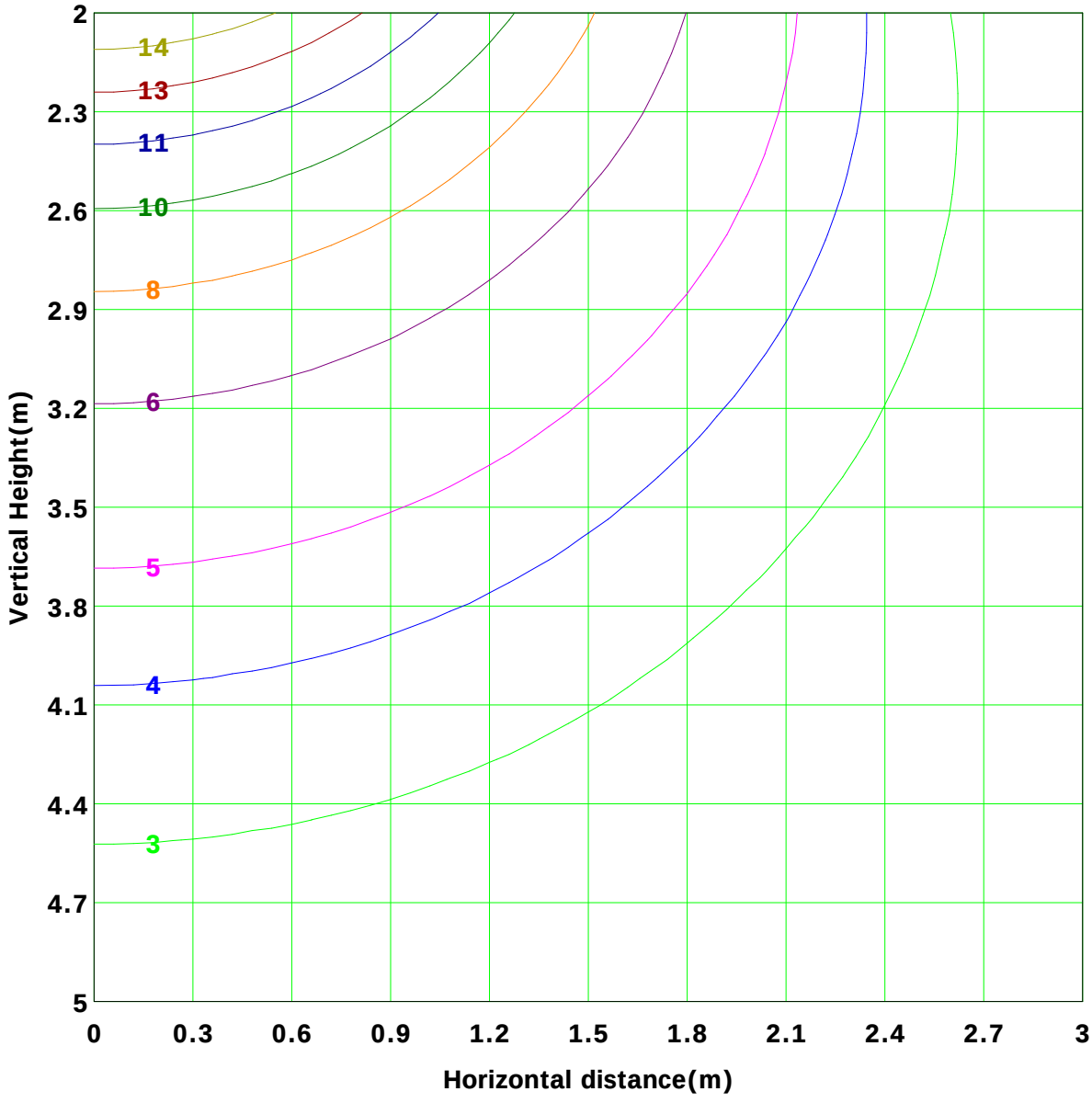

| Dist(m) | Enadir(lx) | Dh/Dv_B(m) | S_B(sq.m) | Eav_B(lx) |
|---|---|---|---|---|
| 1.0 | 64.15 | 3.49/3.57 | 12.5 | 6.69 |
| 2.0 | 16.04 | 6.99/7.14 | 50.1 | 1.67 |
| 3.0 | 7.13 | 10.48/10.71 | 112.7 | 0.74 |
| 4.0 | 4.01 | 13.97/14.28 | 200.3 | 0.42 |
| 5.0 | 2.57 | 17.46/17.85 | 313.0 | 0.27 |
| 6.0 | 1.78 | 20.96/21.42 | 450.7 | 0.19 |
| 7.0 | 1.31 | 24.45/24.99 | 613.5 | 0.14 |
| 8.0 | 1.00 | 27.94/28.56 | 801.2 | 0.10 |
| 9.0 | 0.79 | 31.43/32.13 | 1014.1 | 0.08 |
| 10.0 | 0.64 | 34.93/35.70 | 1251.9 | 0.07 |

Beam Angle(B): H120.4 V121.5 Field Angle(F): H161.6 V161.9

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

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: 16.0 lx

( 10%): 1.6 lx
( 20%): 3.2 lx
( 25%): 4.0 lx
( 30%): 4.8 lx
( 40%): 6.4 lx
( 50%): 8.0 lx
( 60%): 9.6 lx
( 70%): 11.2 lx
( 80%): 12.8 lx
( 90%): 14.4 lx

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: Michael
Inspector:

# Area Flux Table

Unit: lm

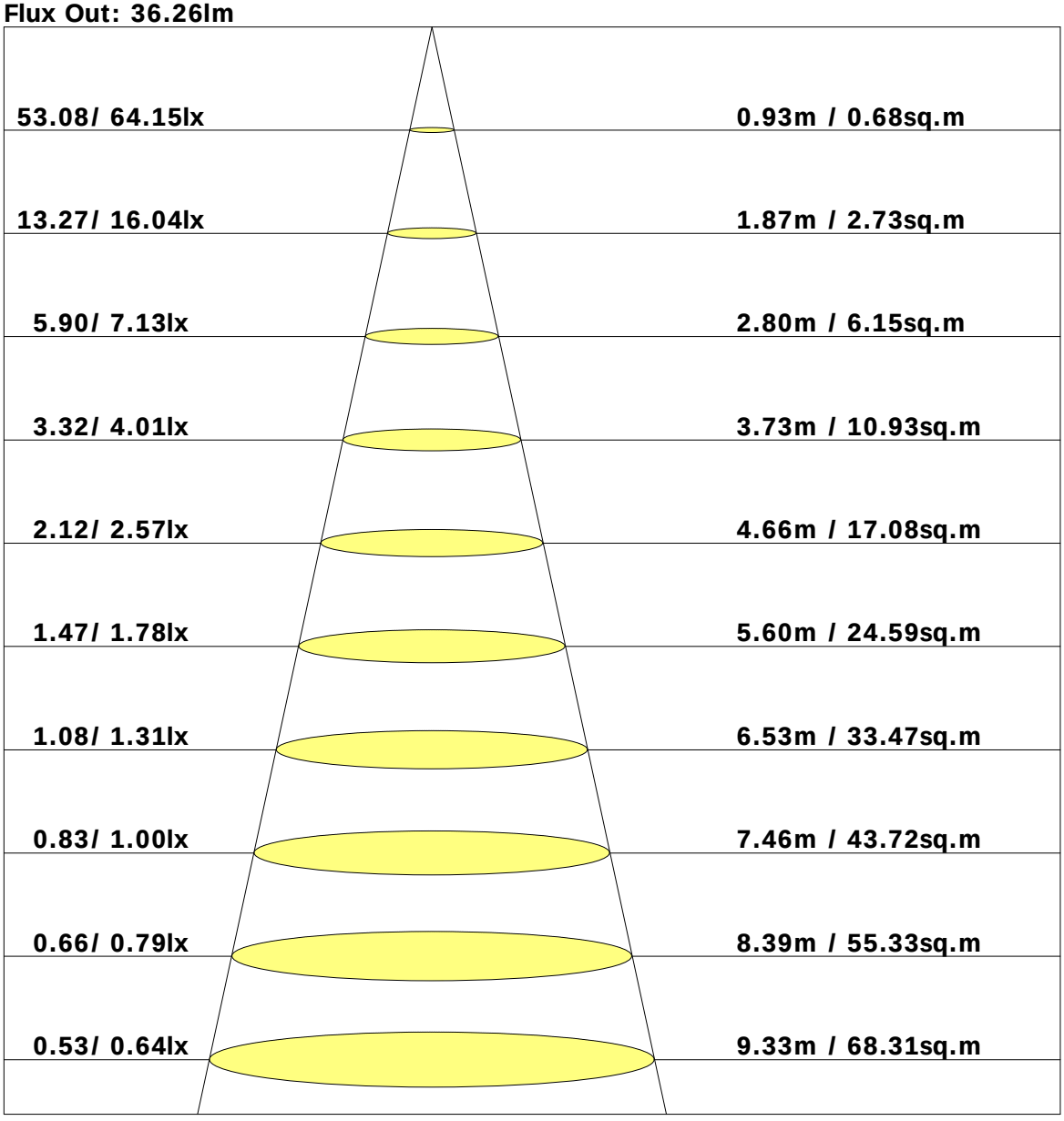
| Vertical plane | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | Flux(T) | Flux(E) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Horizontal plane | | | | | | | | | | | | | | | | | | | | | |
| -90 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.4 |
| -80 | 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 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 |
| -70 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 5.4 | 5.3 |
| -60 | 0.1 | 0.2 | 0.3 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.7 | 0.5 | 0.3 | 0.2 | 0.0 | 0.0 | 9.2 | 9.2 |
| -50 | 0.1 | 0.2 | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.1 | 0.9 | 0.6 | 0.3 | 0.1 | 0.0 | 13.2 | 13.1 |
| -40 | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 | 1.1 | 1.3 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 16.8 | 16.8 |
| -30 | 0.2 | 0.4 | 0.6 | 0.8 | 1.1 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.3 | 0.0 | 19.8 | 19.7 |
| -20 | 0.2 | 0.4 | 0.7 | 0.9 | 1.2 | 1.4 | 1.6 | 1.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 | 1.5 | 1.2 | 0.8 | 0.3 | 0.0 | 21.8 | 21.7 |
| -10 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.6 | 1.3 | 0.9 | 0.4 | 0.0 | 22.5 | 22.4 |
| 0 | 0.2 | 0.4 | 0.8 | 1.1 | 1.4 | 1.6 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.6 | 1.3 | 0.9 | 0.4 | 0.0 | 22.0 | 21.9 |
| 10 | 0.2 | 0.4 | 0.8 | 1.1 | 1.4 | 1.7 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.7 | 1.5 | 1.2 | 0.8 | 0.3 | 0.0 | 20.1 | 20.0 |
| 20 | 0.2 | 0.4 | 0.7 | 1.1 | 1.4 | 1.6 | 1.8 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 17.1 | 16.9 |
| 30 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 13.2 | 13.0 |
| 40 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 8.8 | 8.7 |
| 50 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 4.8 | 4.7 |
| 60 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 1.8 | 1.6 |
| 70 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 0.3 | 0.1 |
| 80 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 0.0 | 0.0 |
| 90 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.7 | 0.2 | 0.0 | 200 | |
| Flux(T) | 0.4 | 2.3 | 5.3 | 9.2 | 13.1 | 16.8 | 19.7 | 21.7 | 22.4 | 21.9 | 20.0 | 16.9 | 13.0 | 8.7 | 4.7 | 1.6 | 0.1 | 0.0 | | | |
| Flux(E) | 0.5 | 2.3 | 5.4 | 9.2 | 13.2 | 16.8 | 19.8 | 21.8 | 22.5 | 22.0 | 20.1 | 17.1 | 13.2 | 8.8 | 4.8 | 1.8 | 0.3 | 0.0 | 3.1 | 198 | |
| | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | | |
| | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 6.1 | | |
| | 0.0 | 0.1 | 0.3 | 0.5 | 0.7 | 0.8 | 1.0 | 1.1 | 1.1 | 1.1 | 0.9 | 0.8 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 9.3 | | |
| | 0.0 | 0.1 | 0.3 | 0.6 | 0.8 | 1.0 | 1.2 | 1.3 | 1.4 | 1.3 | 1.2 | 1.0 | 0.8 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 12.1 | | |
| | 0.0 | 0.2 | 0.4 | 0.6 | 0.9 | 1.2 | 1.4 | 1.5 | 1.6 | 1.6 | 1.5 | 1.3 | 1.0 | 0.7 | 0.4 | 0.1 | 0.0 | 0.0 | 14.2 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.7 | 1.8 | 1.7 | 1.6 | 1.4 | 1.1 | 0.8 | 0.4 | 0.2 | 0.0 | 0.0 | 15.9 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 17.0 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 17.6 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 17.8 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 17.4 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 16.5 | | |
| | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 | 1.2 | 0.9 | 0.5 | 0.2 | 0.0 | 0.0 | 15.1 | | |
| | 0.0 | 0.1 | 0.3 | 0.6 | 0.8 | 1.1 | 1.3 | 1.4 | 1.5 | 1.5 | 1.5 | 1.4 | 1.1 | 0.9 | 0.5 | 0.3 | 0.1 | 0.0 | 13.1 | | |
| | 0.0 | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.1 | 0.9 | 0.6 | 0.4 | 0.2 | 0.1 | 0.0 | 10.5 | | |
| | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.7 | 0.6 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 7.5 | | |
| | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 4.3 | | |
| | 0.0 | 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 | 0.0 | 0.0 | 1.6 | | |
| | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | | |
| | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 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: Michael

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: 36.26lm




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: Michael

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 | 23.5 | 22.3 | 23.9 | 24.2 | 24.0 | 25.7 | 24.4 | 26.0 | 26.4 |
| 3H | 22.9 | 24.4 | 23.3 | 24.7 | 25.1 | 26.0 | 27.5 | 26.4 | 27.9 | 28.3 |
| 4H | 23.0 | 24.4 | 23.4 | 24.8 | 25.2 | 26.8 | 28.2 | 27.2 | 28.6 | 29.0 |
| 6H | 23.0 | 24.3 | 23.5 | 24.7 | 25.1 | 27.4 | 28.7 | 27.9 | 29.1 | 29.5 |
| 8H | 23.0 | 24.2 | 23.4 | 24.6 | 25.1 | 27.6 | 28.9 | 28.1 | 29.3 | 29.7 |
| 12H | 23.0 | 24.2 | 23.4 | 24.6 | 25.0 | 27.8 | 29.0 | 28.3 | 29.4 | 29.9 |
| X=4H Y=2H | 22.4 | 23.8 | 22.8 | 24.1 | 24.6 | 24.7 | 26.1 | 25.2 | 26.5 | 26.9 |
| 3H | 23.5 | 24.6 | 23.9 | 25.1 | 25.5 | 27.0 | 28.1 | 27.4 | 28.6 | 29.0 |
| 4H | 23.6 | 24.7 | 24.1 | 25.2 | 25.6 | 27.9 | 28.9 | 28.3 | 29.4 | 29.9 |
| 6H | 23.7 | 24.6 | 24.1 | 25.1 | 25.6 | 28.6 | 29.6 | 29.1 | 30.0 | 30.5 |
| 8H | 23.6 | 24.5 | 24.1 | 25.0 | 25.5 | 28.9 | 29.8 | 29.4 | 30.2 | 30.7 |
| 12H | 23.6 | 24.4 | 24.1 | 24.9 | 25.4 | 29.1 | 29.9 | 29.6 | 30.4 | 30.9 |
| X=8H Y=4H | 23.8 | 24.7 | 24.3 | 25.2 | 25.7 | 28.3 | 29.1 | 28.7 | 29.6 | 30.1 |
| 6H | 23.9 | 24.6 | 24.4 | 25.1 | 25.6 | 29.1 | 29.9 | 29.7 | 30.4 | 30.9 |
| 8H | 23.9 | 24.5 | 24.4 | 25.0 | 25.6 | 29.5 | 30.2 | 30.1 | 30.7 | 31.2 |
| 12H | 23.8 | 24.4 | 24.4 | 24.9 | 25.5 | 29.8 | 30.4 | 30.4 | 30.9 | 31.5 |
| X=12H Y=4H | 23.9 | 24.7 | 24.4 | 25.2 | 25.7 | 28.3 | 29.1 | 28.8 | 29.6 | 30.1 |
| 6H | 23.9 | 24.6 | 24.5 | 25.1 | 25.6 | 29.3 | 29.9 | 29.8 | 30.4 | 31.0 |
| 8H | 23.9 | 24.5 | 24.4 | 25.0 | 25.6 | 29.7 | 30.3 | 30.2 | 30.8 | 31.4 |

Calculate in accordance with CIE 190:2010

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

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 = 1.50 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.58 | 0.66 | 0.74 | 0.79 | 0.86 | 0.91 | 0.95 | 0.99 | 1.02 |
| | 0.30 | | 0.50 | 0.59 | 0.67 | 0.72 | 0.80 | 0.86 | 0.90 | 0.95 | 0.99 |
| | 0.20 | | 0.45 | 0.53 | 0.61 | 0.67 | 0.75 | 0.81 | 0.85 | 0.91 | 0.95 |
| 0.50 | 0.50 | 0.20 | 0.56 | 0.64 | 0.71 | 0.76 | 0.83 | 0.88 | 0.91 | 0.95 | 0.98 |
| | 0.30 | | 0.49 | 0.57 | 0.65 | 0.70 | 0.78 | 0.83 | 0.86 | 0.91 | 0.95 |
| | 0.20 | | 0.44 | 0.52 | 0.60 | 0.65 | 0.73 | 0.79 | 0.83 | 0.88 | 0.92 |
| 0.30 | 0.50 | 0.20 | 0.55 | 0.62 | 0.69 | 0.73 | 0.80 | 0.84 | 0.87 | 0.91 | 0.94 |
| | 0.30 | | 0.48 | 0.56 | 0.63 | 0.68 | 0.75 | 0.80 | 0.84 | 0.88 | 0.91 |
| | 0.20 | | 0.44 | 0.51 | 0.59 | 0.64 | 0.72 | 0.77 | 0.80 | 0.86 | 0.89 |
| 0.00 | 0.00 | 0.00 | 0.42 | 0.49 | 0.56 | 0.61 | 0.68 | 0.73 | 0.76 | 0.81 | 0.84 |

Rating:7W 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: Michael

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 = 1.50 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.97 | 0.83 | 0.70 | 0.61 | 0.49 | 0.41 | 0.35 | 0.28 | 0.23 |
| | 0.30 | | 0.81 | 0.71 | 0.61 | 0.54 | 0.44 | 0.38 | 0.33 | 0.26 | 0.21 |
| | 0.20 | | 0.69 | 0.62 | 0.54 | 0.49 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 |
| 0.50 | 0.50 | 0.20 | 0.93 | 0.79 | 0.67 | 0.58 | 0.47 | 0.42 | 0.34 | 0.26 | 0.21 |
| | 0.30 | | 0.79 | 0.69 | 0.59 | 0.52 | 0.43 | 0.36 | 0.31 | 0.25 | 0.21 |
| | 0.20 | | 0.68 | 0.61 | 0.53 | 0.47 | 0.39 | 0.34 | 0.29 | 0.24 | 0.20 |
| 0.30 | 0.50 | 0.20 | 0.90 | 0.76 | 0.64 | 0.56 | 0.45 | 0.37 | 0.32 | 0.25 | 0.20 |
| | 0.30 | | 0.77 | 0.67 | 0.57 | 0.51 | 0.41 | 0.35 | 0.30 | 0.24 | 0.20 |
| | 0.20 | | 0.68 | 0.60 | 0.52 | 0.46 | 0.38 | 0.33 | 0.28 | 0.23 | 0.19 |
| 0.00 | 0.00 | 0.00 | 0.57 | 0.50 | 0.43 | 0.38 | 0.31 | 0.26 | 0.22 | 0.18 | 0.15 |

Rating:7W 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: Michael

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 = 1.50 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 |
| | 0.30 | | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | 0.20 | 0.21 |
| | 0.20 | | 0.06 | 0.08 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.17 | 0.18 |
| 0.50 | 0.50 | 0.20 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 |
| | 0.30 | | 0.11 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
| | 0.20 | | 0.06 | 0.08 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 |
| 0.30 | 0.50 | 0.20 | 0.16 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 |
| | 0.30 | | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.17 | 0.18 | 0.19 |
| | 0.20 | | 0.06 | 0.07 | 0.09 | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 |
| 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |

Rating:7W 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: Michael

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 | 64.1 | 0.1 | 0.1 | 0.03 | 0.03 |
| 1.0-2.0 | 64.1 | 0.2 | 0.2 | 0.09 | 0.12 |
| 2.0-3.0 | 64.0 | 0.3 | 0.6 | 0.15 | 0.27 |
| 3.0-4.0 | 64.0 | 0.4 | 1.0 | 0.21 | 0.48 |
| 4.0-5.0 | 63.9 | 0.5 | 1.5 | 0.27 | 0.75 |
| 5.0-6.0 | 63.8 | 0.7 | 2.2 | 0.33 | 1.08 |
| 6.0-7.0 | 63.7 | 0.8 | 3.0 | 0.39 | 1.47 |
| 7.0-8.0 | 63.6 | 0.9 | 3.9 | 0.45 | 1.92 |
| 8.0-9.0 | 63.5 | 1.0 | 4.9 | 0.51 | 2.43 |
| 9.0-10.0 | 63.4 | 1.1 | 6.1 | 0.57 | 3.00 |
| 10.0-11.0 | 63.2 | 1.3 | 7.3 | 0.62 | 3.62 |
| 11.0-12.0 | 63.0 | 1.4 | 8.7 | 0.68 | 4.30 |
| 12.0-13.0 | 62.8 | 1.5 | 10.2 | 0.73 | 5.03 |
| 13.0-14.0 | 62.6 | 1.6 | 11.8 | 0.79 | 5.82 |
| 14.0-15.0 | 62.4 | 1.7 | 13.5 | 0.84 | 6.67 |
| 15.0-16.0 | 62.2 | 1.8 | 15.3 | 0.90 | 7.56 |
| 16.0-17.0 | 61.9 | 1.9 | 17.3 | 0.95 | 8.52 |
| 17.0-18.0 | 61.6 | 2.0 | 19.3 | 1.00 | 9.52 |
| 18.0-19.0 | 61.3 | 2.1 | 21.4 | 1.05 | 10.57 |
| 19.0-20.0 | 61.0 | 2.2 | 23.7 | 1.10 | 11.67 |
| 20.0-21.0 | 60.7 | 2.3 | 26.0 | 1.15 | 12.82 |
| 21.0-22.0 | 60.4 | 2.4 | 28.4 | 1.20 | 14.01 |
| 22.0-23.0 | 60.0 | 2.5 | 31.0 | 1.24 | 15.26 |
| 23.0-24.0 | 59.6 | 2.6 | 33.6 | 1.28 | 16.54 |
| 24.0-25.0 | 59.2 | 2.7 | 36.3 | 1.33 | 17.87 |
| 25.0-26.0 | 58.8 | 2.8 | 39.0 | 1.37 | 19.24 |
| 26.0-27.0 | 58.4 | 2.9 | 41.9 | 1.41 | 20.64 |
| 27.0-28.0 | 57.9 | 2.9 | 44.8 | 1.45 | 22.09 |
| 28.0-29.0 | 57.4 | 3.0 | 47.8 | 1.48 | 23.57 |
| 29.0-30.0 | 57.0 | 3.1 | 50.9 | 1.52 | 25.09 |
| 30.0-31.0 | 56.4 | 3.1 | 54.0 | 1.55 | 26.63 |
| 31.0-32.0 | 55.9 | 3.2 | 57.2 | 1.58 | 28.21 |
| 32.0-33.0 | 55.3 | 3.3 | 60.5 | 1.61 | 29.82 |
| 33.0-34.0 | 54.7 | 3.3 | 63.8 | 1.63 | 31.45 |
| 34.0-35.0 | 54.1 | 3.4 | 67.2 | 1.66 | 33.11 |
| 35.0-36.0 | 53.5 | 3.4 | 70.6 | 1.68 | 34.79 |

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

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 | 52.9 | 3.5 | 74.0 | 1.70 | 36.49 |
| 37.0-38.0 | 52.2 | 3.5 | 77.5 | 1.72 | 38.21 |
| 38.0-39.0 | 51.5 | 3.5 | 81.0 | 1.73 | 39.94 |
| 39.0-40.0 | 50.8 | 3.5 | 84.6 | 1.75 | 41.69 |
| 40.0-41.0 | 50.1 | 3.6 | 88.2 | 1.76 | 43.45 |
| 41.0-42.0 | 49.3 | 3.6 | 91.7 | 1.77 | 45.21 |
| 42.0-43.0 | 48.6 | 3.6 | 95.3 | 1.77 | 46.99 |
| 43.0-44.0 | 47.8 | 3.6 | 98.9 | 1.78 | 48.76 |
| 44.0-45.0 | 47.0 | 3.6 | 102.6 | 1.78 | 50.54 |
| 45.0-46.0 | 46.1 | 3.6 | 106.2 | 1.78 | 52.32 |
| 46.0-47.0 | 45.2 | 3.6 | 109.8 | 1.77 | 54.09 |
| 47.0-48.0 | 44.4 | 3.6 | 113.3 | 1.77 | 55.86 |
| 48.0-49.0 | 43.5 | 3.6 | 116.9 | 1.76 | 57.62 |
| 49.0-50.0 | 42.5 | 3.5 | 120.5 | 1.75 | 59.37 |
| 50.0-51.0 | 41.6 | 3.5 | 124.0 | 1.73 | 61.10 |
| 51.0-52.0 | 40.6 | 3.5 | 127.5 | 1.72 | 62.82 |
| 52.0-53.0 | 39.6 | 3.4 | 130.9 | 1.70 | 64.51 |
| 53.0-54.0 | 38.6 | 3.4 | 134.3 | 1.68 | 66.19 |
| 54.0-55.0 | 37.5 | 3.4 | 137.7 | 1.65 | 67.84 |
| 55.0-56.0 | 36.5 | 3.3 | 141.0 | 1.62 | 69.47 |
| 56.0-57.0 | 35.4 | 3.2 | 144.2 | 1.59 | 71.06 |
| 57.0-58.0 | 34.3 | 3.2 | 147.4 | 1.56 | 72.62 |
| 58.0-59.0 | 33.2 | 3.1 | 150.5 | 1.53 | 74.15 |
| 59.0-60.0 | 32.0 | 3.0 | 153.5 | 1.49 | 75.64 |
| 60.0-61.0 | 30.9 | 2.9 | 156.4 | 1.45 | 77.09 |
| 61.0-62.0 | 29.7 | 2.9 | 159.3 | 1.41 | 78.50 |
| 62.0-63.0 | 28.5 | 2.8 | 162.1 | 1.37 | 79.87 |
| 63.0-64.0 | 27.3 | 2.7 | 164.7 | 1.32 | 81.19 |
| 64.0-65.0 | 26.1 | 2.6 | 167.3 | 1.28 | 82.47 |
| 65.0-66.0 | 25.0 | 2.5 | 169.8 | 1.23 | 83.69 |
| 66.0-67.0 | 23.7 | 2.4 | 172.2 | 1.18 | 84.87 |
| 67.0-68.0 | 22.5 | 2.3 | 174.5 | 1.13 | 86.00 |
| 68.0-69.0 | 21.3 | 2.2 | 176.7 | 1.07 | 87.07 |
| 69.0-70.0 | 20.1 | 2.1 | 178.7 | 1.02 | 88.09 |
| 70.0-71.0 | 18.9 | 2.0 | 180.7 | 0.97 | 89.05 |
| 71.0-72.0 | 17.8 | 1.9 | 182.6 | 0.91 | 89.97 |

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

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 | 16.6 | 1.7 | 184.3 | 0.86 | 90.82 |
| 73.0-74.0 | 15.5 | 1.6 | 185.9 | 0.80 | 91.63 |
| 74.0-75.0 | 14.4 | 1.5 | 187.4 | 0.75 | 92.38 |
| 75.0-76.0 | 13.3 | 1.4 | 188.9 | 0.70 | 93.08 |
| 76.0-77.0 | 12.3 | 1.3 | 190.2 | 0.65 | 93.73 |
| 77.0-78.0 | 11.4 | 1.2 | 191.4 | 0.60 | 94.33 |
| 78.0-79.0 | 10.5 | 1.1 | 192.5 | 0.56 | 94.88 |
| 79.0-80.0 | 9.6 | 1.0 | 193.6 | 0.51 | 95.39 |
| 80.0-81.0 | 8.8 | 0.9 | 194.5 | 0.47 | 95.86 |
| 81.0-82.0 | 8.0 | 0.9 | 195.4 | 0.43 | 96.29 |
| 82.0-83.0 | 7.2 | 0.8 | 196.2 | 0.39 | 96.67 |
| 83.0-84.0 | 6.5 | 0.7 | 196.9 | 0.35 | 97.02 |
| 84.0-85.0 | 5.8 | 0.6 | 197.5 | 0.31 | 97.33 |
| 85.0-86.0 | 5.2 | 0.6 | 198.1 | 0.28 | 97.61 |
| 86.0-87.0 | 4.6 | 0.5 | 198.6 | 0.25 | 97.86 |
| 87.0-88.0 | 4.0 | 0.4 | 199.0 | 0.22 | 98.08 |
| 88.0-89.0 | 3.5 | 0.4 | 199.4 | 0.19 | 98.27 |
| 89.0-90.0 | 3.0 | 0.3 | 199.7 | 0.16 | 98.43 |
| 90.0-91.0 | 2.6 | 0.3 | 200.0 | 0.14 | 98.57 |
| 91.0-92.0 | 2.2 | 0.2 | 200.3 | 0.12 | 98.69 |
| 92.0-93.0 | 1.9 | 0.2 | 200.5 | 0.10 | 98.79 |
| 93.0-94.0 | 1.6 | 0.2 | 200.6 | 0.08 | 98.88 |
| 94.0-95.0 | 1.3 | 0.1 | 200.8 | 0.07 | 98.95 |
| 95.0-96.0 | 1.1 | 0.1 | 200.9 | 0.06 | 99.00 |
| 96.0-97.0 | 0.9 | 0.1 | 201.0 | 0.05 | 99.05 |
| 97.0-98.0 | 0.7 | 0.1 | 201.1 | 0.04 | 99.09 |
| 98.0-99.0 | 0.5 | 0.1 | 201.1 | 0.03 | 99.12 |
| 99.0-100.0 | 0.4 | 0.0 | 201.2 | 0.02 | 99.14 |
| 100.0-101.0 | 0.4 | 0.0 | 201.2 | 0.02 | 99.16 |
| 101.0-102.0 | 0.3 | 0.0 | 201.2 | 0.02 | 99.17 |
| 102.0-103.0 | 0.2 | 0.0 | 201.3 | 0.01 | 99.19 |
| 103.0-104.0 | 0.2 | 0.0 | 201.3 | 0.01 | 99.20 |
| 104.0-105.0 | 0.2 | 0.0 | 201.3 | 0.01 | 99.21 |
| 105.0-106.0 | 0.2 | 0.0 | 201.3 | 0.01 | 99.22 |
| 106.0-107.0 | 0.2 | 0.0 | 201.3 | 0.01 | 99.23 |
| 107.0-108.0 | 0.2 | 0.0 | 201.4 | 0.01 | 99.24 |

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

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 | 0.2 | 0.0 | 201.4 | 0.01 | 99.25 |
| 109.0-110.0 | 0.2 | 0.0 | 201.4 | 0.01 | 99.26 |
| 110.0-111.0 | 0.2 | 0.0 | 201.4 | 0.01 | 99.27 |
| 111.0-112.0 | 0.2 | 0.0 | 201.5 | 0.01 | 99.28 |
| 112.0-113.0 | 0.2 | 0.0 | 201.5 | 0.01 | 99.29 |
| 113.0-114.0 | 0.2 | 0.0 | 201.5 | 0.01 | 99.31 |
| 114.0-115.0 | 0.3 | 0.0 | 201.5 | 0.01 | 99.32 |
| 115.0-116.0 | 0.3 | 0.0 | 201.6 | 0.01 | 99.33 |
| 116.0-117.0 | 0.3 | 0.0 | 201.6 | 0.01 | 99.35 |
| 117.0-118.0 | 0.3 | 0.0 | 201.6 | 0.01 | 99.36 |
| 118.0-119.0 | 0.3 | 0.0 | 201.6 | 0.01 | 99.37 |
| 119.0-120.0 | 0.3 | 0.0 | 201.7 | 0.01 | 99.39 |
| 120.0-121.0 | 0.3 | 0.0 | 201.7 | 0.01 | 99.40 |
| 121.0-122.0 | 0.3 | 0.0 | 201.7 | 0.01 | 99.41 |
| 122.0-123.0 | 0.3 | 0.0 | 201.7 | 0.01 | 99.43 |
| 123.0-124.0 | 0.3 | 0.0 | 201.8 | 0.01 | 99.44 |
| 124.0-125.0 | 0.3 | 0.0 | 201.8 | 0.01 | 99.45 |
| 125.0-126.0 | 0.3 | 0.0 | 201.8 | 0.01 | 99.47 |
| 126.0-127.0 | 0.3 | 0.0 | 201.9 | 0.01 | 99.48 |
| 127.0-128.0 | 0.3 | 0.0 | 201.9 | 0.01 | 99.50 |
| 128.0-129.0 | 0.4 | 0.0 | 201.9 | 0.01 | 99.51 |
| 129.0-130.0 | 0.4 | 0.0 | 201.9 | 0.01 | 99.53 |
| 130.0-131.0 | 0.3 | 0.0 | 202.0 | 0.01 | 99.54 |
| 131.0-132.0 | 0.4 | 0.0 | 202.0 | 0.01 | 99.55 |
| 132.0-133.0 | 0.4 | 0.0 | 202.0 | 0.01 | 99.57 |
| 133.0-134.0 | 0.4 | 0.0 | 202.1 | 0.01 | 99.58 |
| 134.0-135.0 | 0.4 | 0.0 | 202.1 | 0.01 | 99.60 |
| 135.0-136.0 | 0.4 | 0.0 | 202.1 | 0.01 | 99.61 |
| 136.0-137.0 | 0.4 | 0.0 | 202.2 | 0.01 | 99.63 |
| 137.0-138.0 | 0.4 | 0.0 | 202.2 | 0.01 | 99.64 |
| 138.0-139.0 | 0.4 | 0.0 | 202.2 | 0.01 | 99.66 |
| 139.0-140.0 | 0.4 | 0.0 | 202.2 | 0.01 | 99.67 |
| 140.0-141.0 | 0.4 | 0.0 | 202.3 | 0.01 | 99.68 |
| 141.0-142.0 | 0.4 | 0.0 | 202.3 | 0.01 | 99.70 |
| 142.0-143.0 | 0.4 | 0.0 | 202.3 | 0.01 | 99.71 |
| 143.0-144.0 | 0.4 | 0.0 | 202.3 | 0.01 | 99.72 |

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

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 | 0.4 | 0.0 | 202.4 | 0.01 | 99.74 |
| 145.0-146.0 | 0.4 | 0.0 | 202.4 | 0.01 | 99.75 |
| 146.0-147.0 | 0.4 | 0.0 | 202.4 | 0.01 | 99.76 |
| 147.0-148.0 | 0.4 | 0.0 | 202.5 | 0.01 | 99.78 |
| 148.0-149.0 | 0.4 | 0.0 | 202.5 | 0.01 | 99.79 |
| 149.0-150.0 | 0.4 | 0.0 | 202.5 | 0.01 | 99.80 |
| 150.0-151.0 | 0.4 | 0.0 | 202.5 | 0.01 | 99.81 |
| 151.0-152.0 | 0.5 | 0.0 | 202.6 | 0.01 | 99.82 |
| 152.0-153.0 | 0.5 | 0.0 | 202.6 | 0.01 | 99.83 |
| 153.0-154.0 | 0.5 | 0.0 | 202.6 | 0.01 | 99.85 |
| 154.0-155.0 | 0.5 | 0.0 | 202.6 | 0.01 | 99.86 |
| 155.0-156.0 | 0.5 | 0.0 | 202.6 | 0.01 | 99.87 |
| 156.0-157.0 | 0.5 | 0.0 | 202.7 | 0.01 | 99.88 |
| 157.0-158.0 | 0.5 | 0.0 | 202.7 | 0.01 | 99.89 |
| 158.0-159.0 | 0.5 | 0.0 | 202.7 | 0.01 | 99.90 |
| 159.0-160.0 | 0.5 | 0.0 | 202.7 | 0.01 | 99.91 |
| 160.0-161.0 | 0.5 | 0.0 | 202.7 | 0.01 | 99.91 |
| 161.0-162.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.92 |
| 162.0-163.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.93 |
| 163.0-164.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.94 |
| 164.0-165.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.95 |
| 165.0-166.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.95 |
| 166.0-167.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.96 |
| 167.0-168.0 | 0.5 | 0.0 | 202.8 | 0.01 | 99.97 |
| 168.0-169.0 | 0.5 | 0.0 | 202.9 | 0.01 | 99.97 |
| 169.0-170.0 | 0.5 | 0.0 | 202.9 | 0.01 | 99.98 |
| 170.0-171.0 | 0.5 | 0.0 | 202.9 | 0.00 | 99.98 |
| 171.0-172.0 | 0.5 | 0.0 | 202.9 | 0.00 | 99.98 |
| 172.0-173.0 | 0.5 | 0.0 | 202.9 | 0.00 | 99.99 |
| 173.0-174.0 | 0.5 | 0.0 | 202.9 | 0.00 | 99.99 |
| 174.0-175.0 | 0.5 | 0.0 | 202.9 | 0.00 | 99.99 |
| 175.0-176.0 | 0.5 | 0.0 | 202.9 | 0.00 | 100.00 |
| 176.0-177.0 | 0.5 | 0.0 | 202.9 | 0.00 | 100.00 |
| 177.0-178.0 | 0.5 | 0.0 | 202.9 | 0.00 | 100.00 |
| 178.0-179.0 | 0.5 | 0.0 | 202.9 | 0.00 | 100.00 |
| 179.0-180.0 | 0.5 | 0.0 | 202.9 | 0.00 | 100.00 |

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

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