

Report No.: 01

Test Time: 2017/2/5 16:49

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RB241.527PH

Luminous Length (mm): 500mm

Luminous Height (mm): 1mm

Current: 0.098 A

Power Factor: 1.000

Luminaire Description: RB241.527PH

Luminous Width (mm): 8mm

Voltage: 24.0 V

Power: 2.35 W

Photometric Results

CIE Class: Direct

Measurement Flux: 199.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H114

Vertical Diffuse Angle(50%): V114.3

Luminaire Efficacy Rating (LER): 85

Max. Intensity: 67.95 cd

Total Rated Lamp Lumens: 199.6 lm

Efficiency: 100%

Upward Ratio: 1%

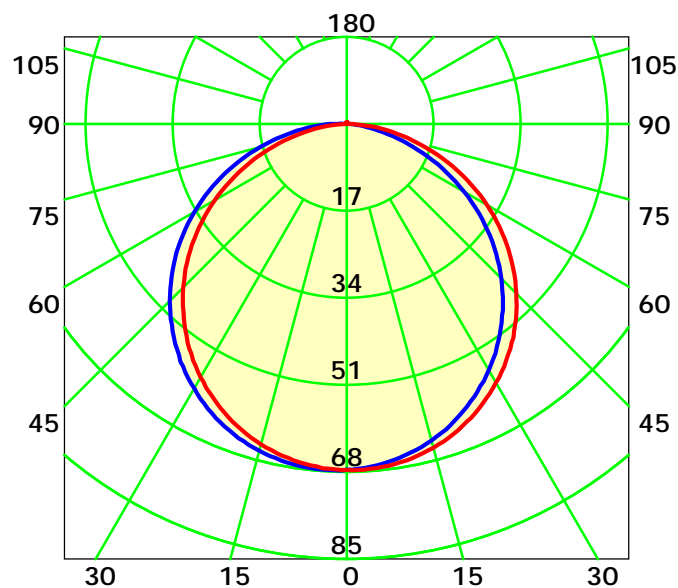
Central Intensity: 67.76 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 114.2° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: roy

Gamma Plane (°):0.0-180.0: 1.0

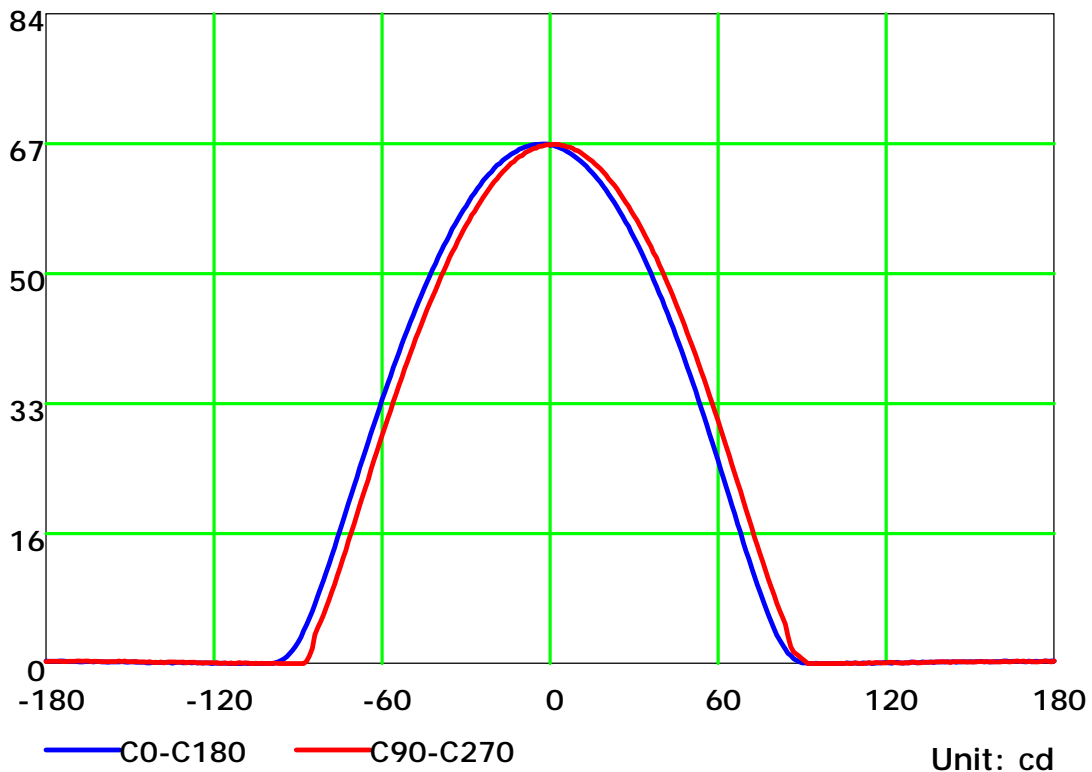
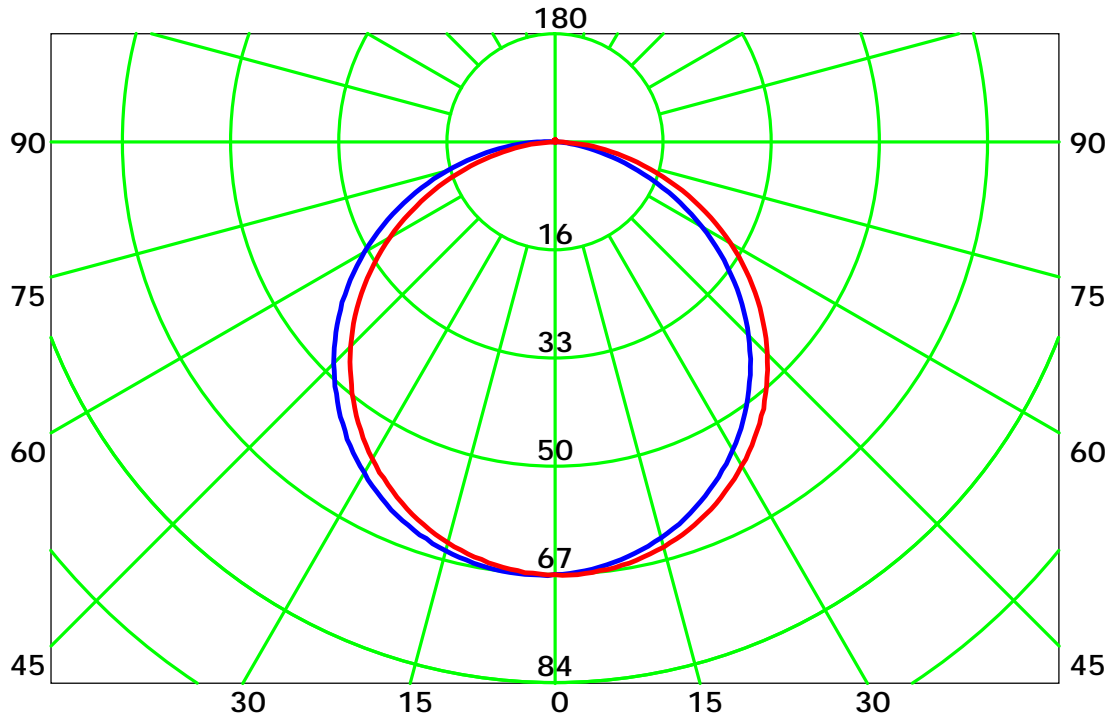
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

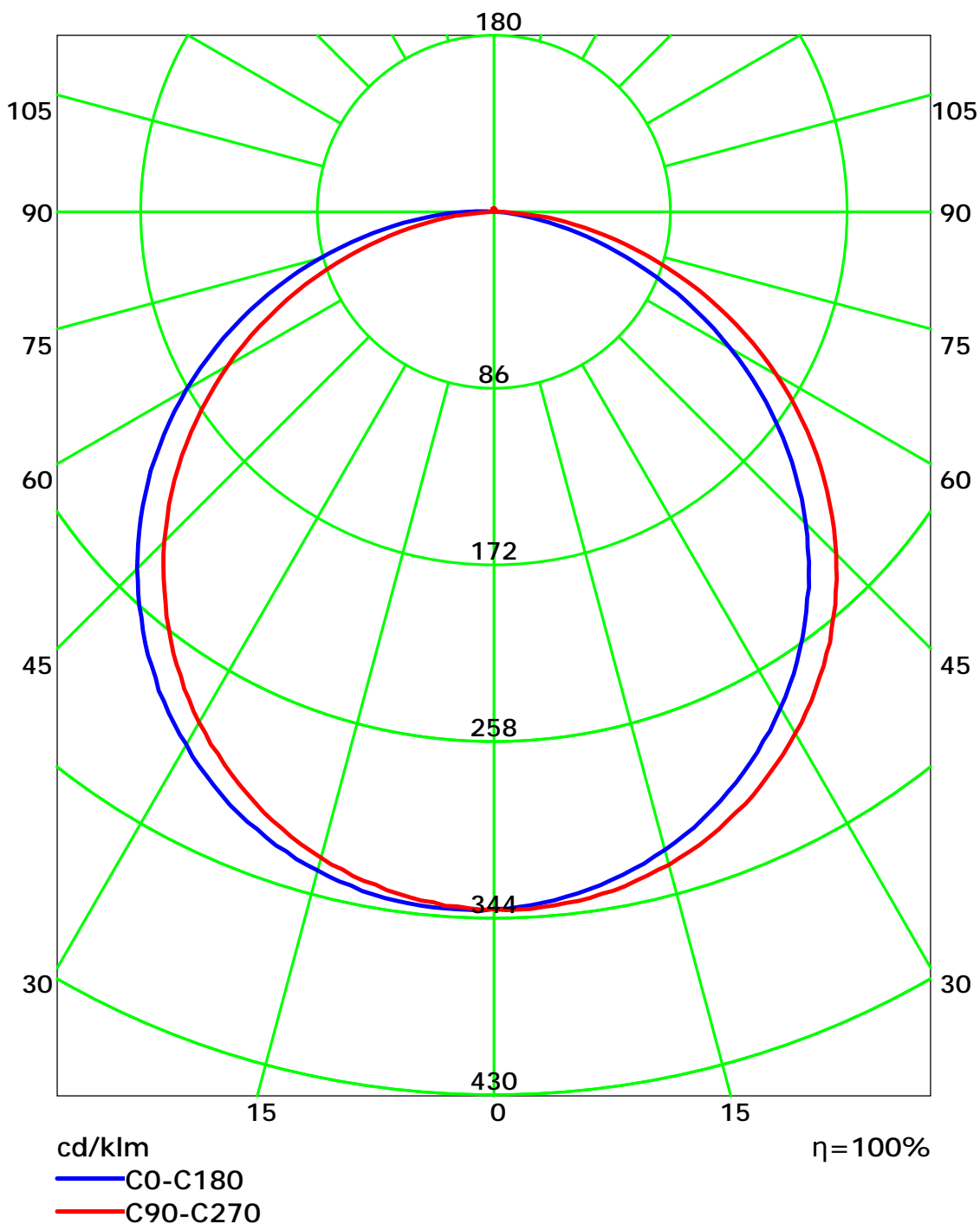
Luminous Intensity Distribution Curve



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

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: acolyteled
Test Type: TYPE C
Temperature: 25°C
Operator: roy

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

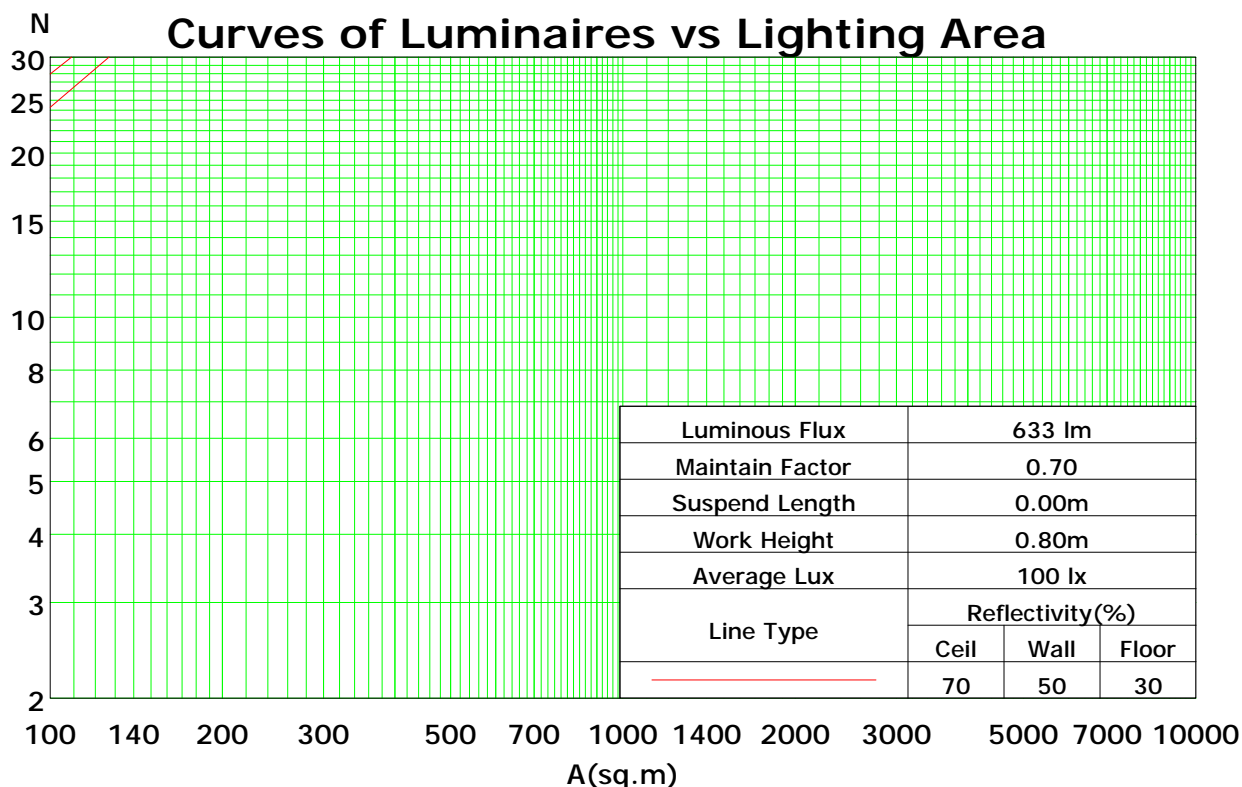
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 82 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 68 |
| 3 | 89 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 66 | 61 | 68 | 64 | 60 | 57 |
| 4 | 82 | 70 | 61 | 54 | 79 | 68 | 60 | 54 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 42 |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 44 | 39 | 50 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 36 | 30 | 25 | 23 |

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.39



C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: roy

Gamma Plane (°):0.0-180.0: 1.0

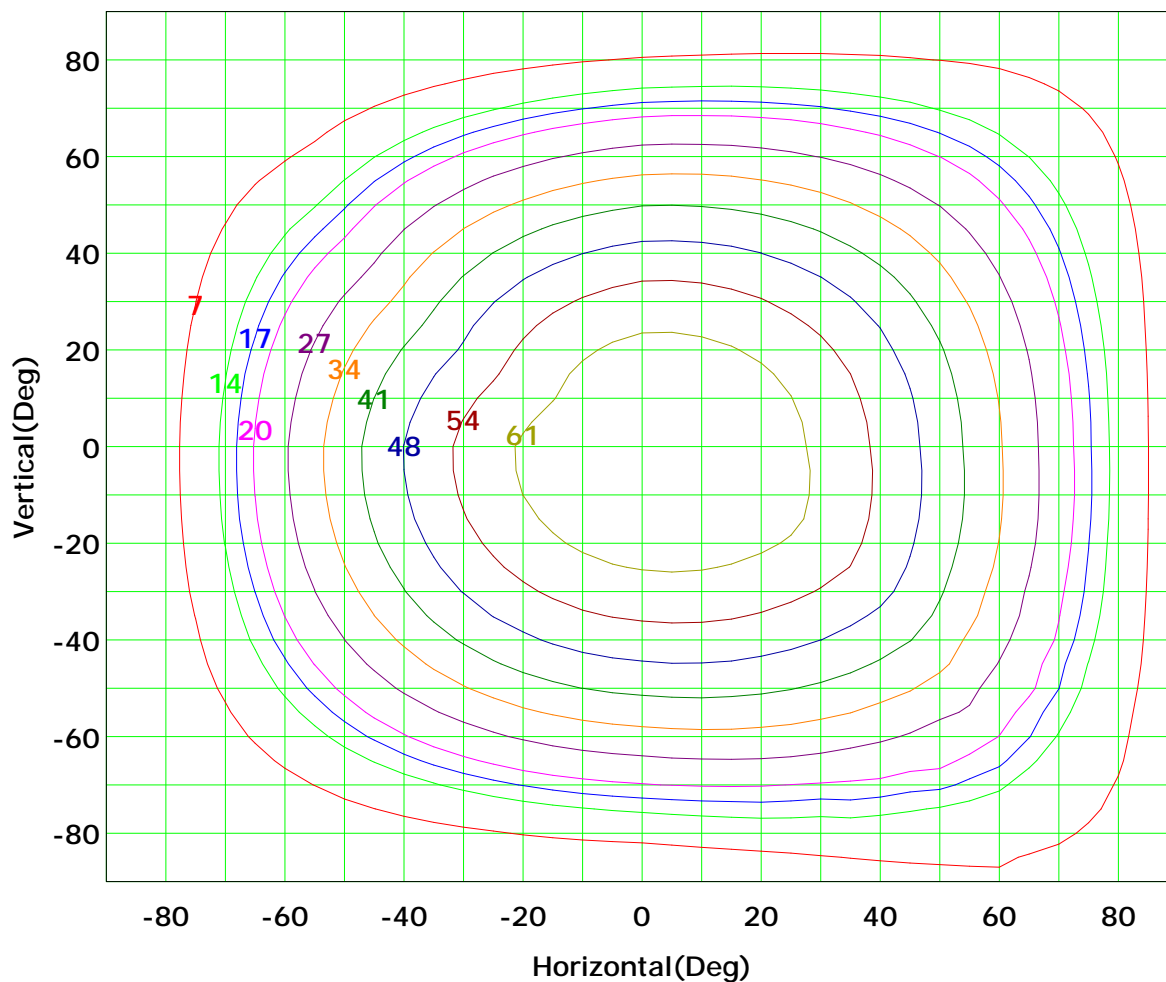
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



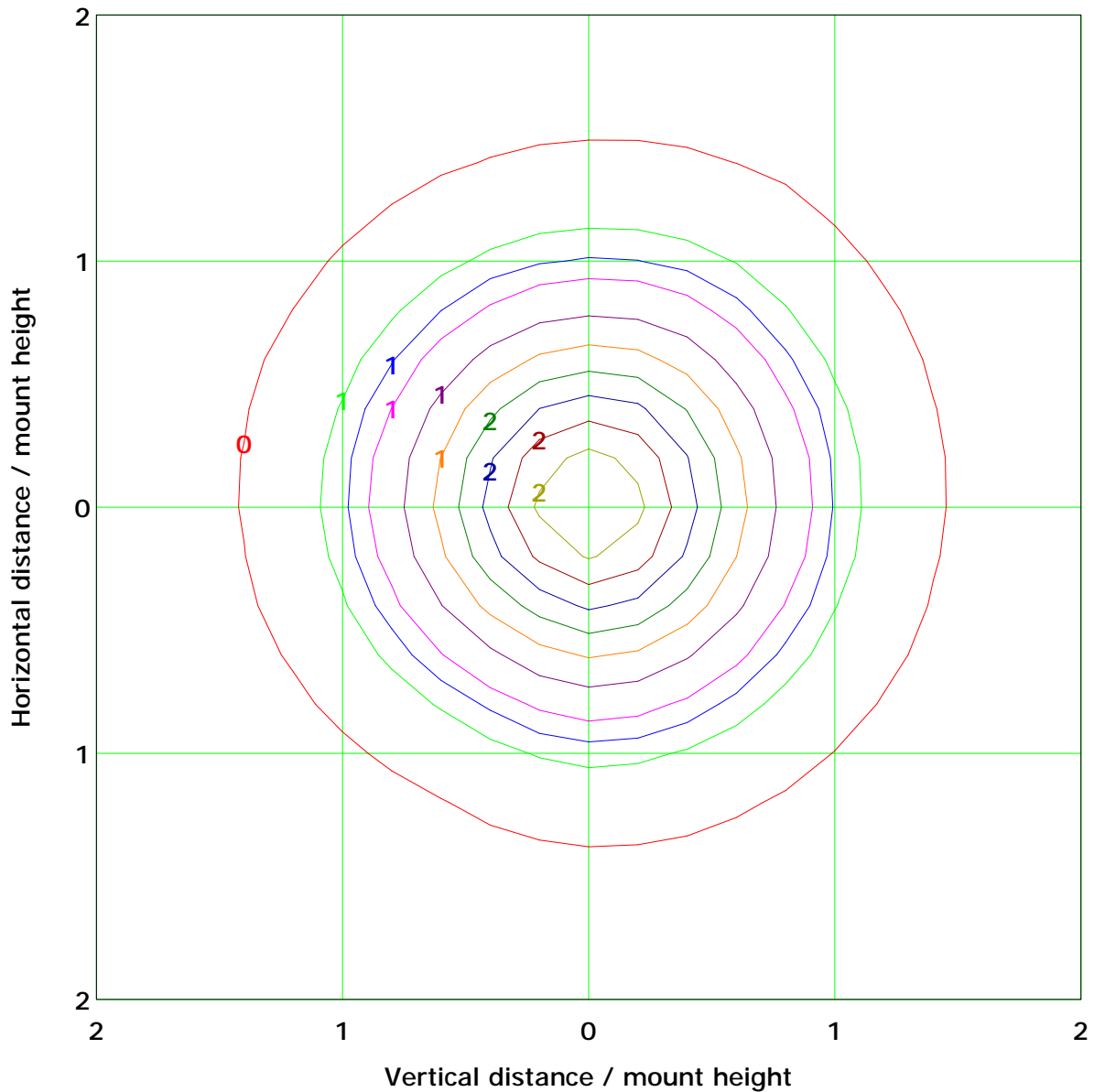
Imax (100%): 68 cd

| | | | |
|---------|-------|---------|-------|
| (10%): | 7 cd | (20%): | 14 cd |
| (25%): | 17 cd | (30%): | 20 cd |
| (40%): | 27 cd | (50%): | 34 cd |
| (60%): | 41 cd | (70%): | 48 cd |
| (80%): | 54 cd | (90%): | 61 cd |

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

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%): 2.7 lx

| | |
|----------------|----------------|
| (10%): 0.3 lx | (20%): 0.5 lx |
| (25%): 0.7 lx | (30%): 0.8 lx |
| (40%): 1.1 lx | (50%): 1.4 lx |
| (60%): 1.6 lx | (70%): 1.9 lx |
| (80%): 2.2 lx | (90%): 2.4 lx |

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: roy

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

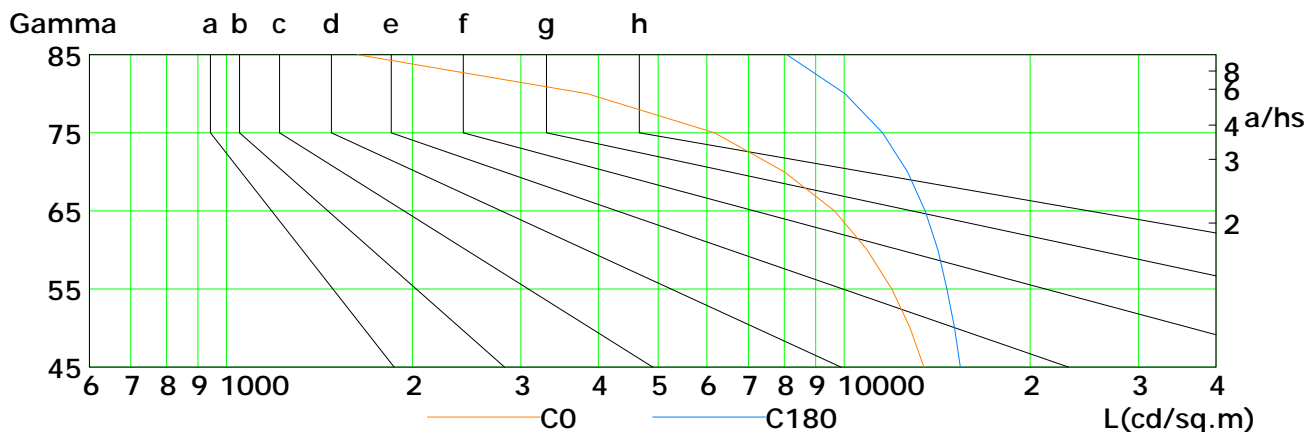
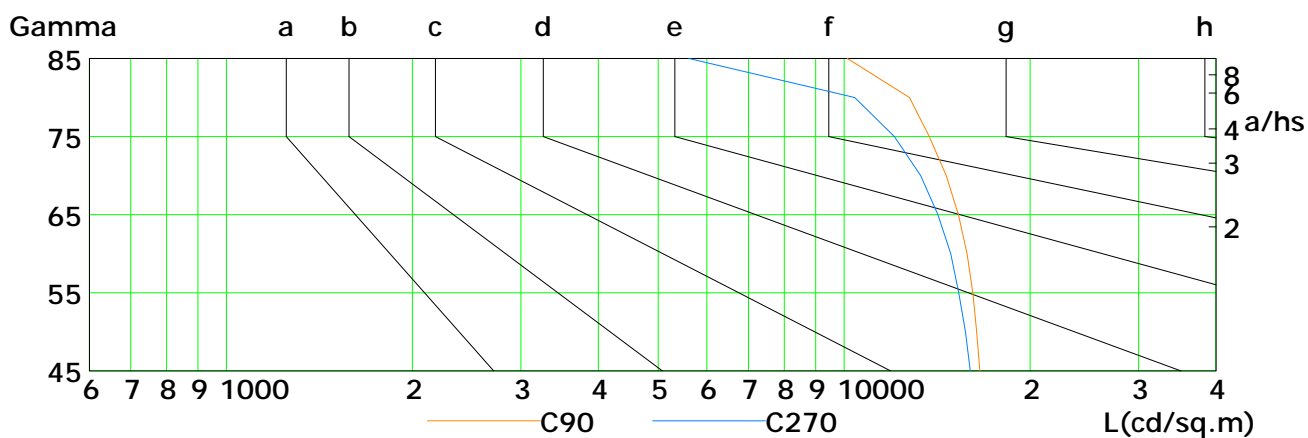
Humidity: 60%

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 | 13470 | 12799 | 11953 | 10904 | 9652 | 8009 | 6172 | 3842 | 1630 |
| C90 | 16601 | 16401 | 16168 | 15815 | 15326 | 14641 | 13749 | 12769 | 10124 |
| C180 | 15427 | 15101 | 14675 | 14192 | 13528 | 12677 | 11546 | 10042 | 8078 |
| C270 | 16005 | 15730 | 15342 | 14883 | 14190 | 13311 | 12061 | 10406 | 5609 |

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25℃

Operator: roy

Gamma Plane (°):0.0-180.0: 1.0

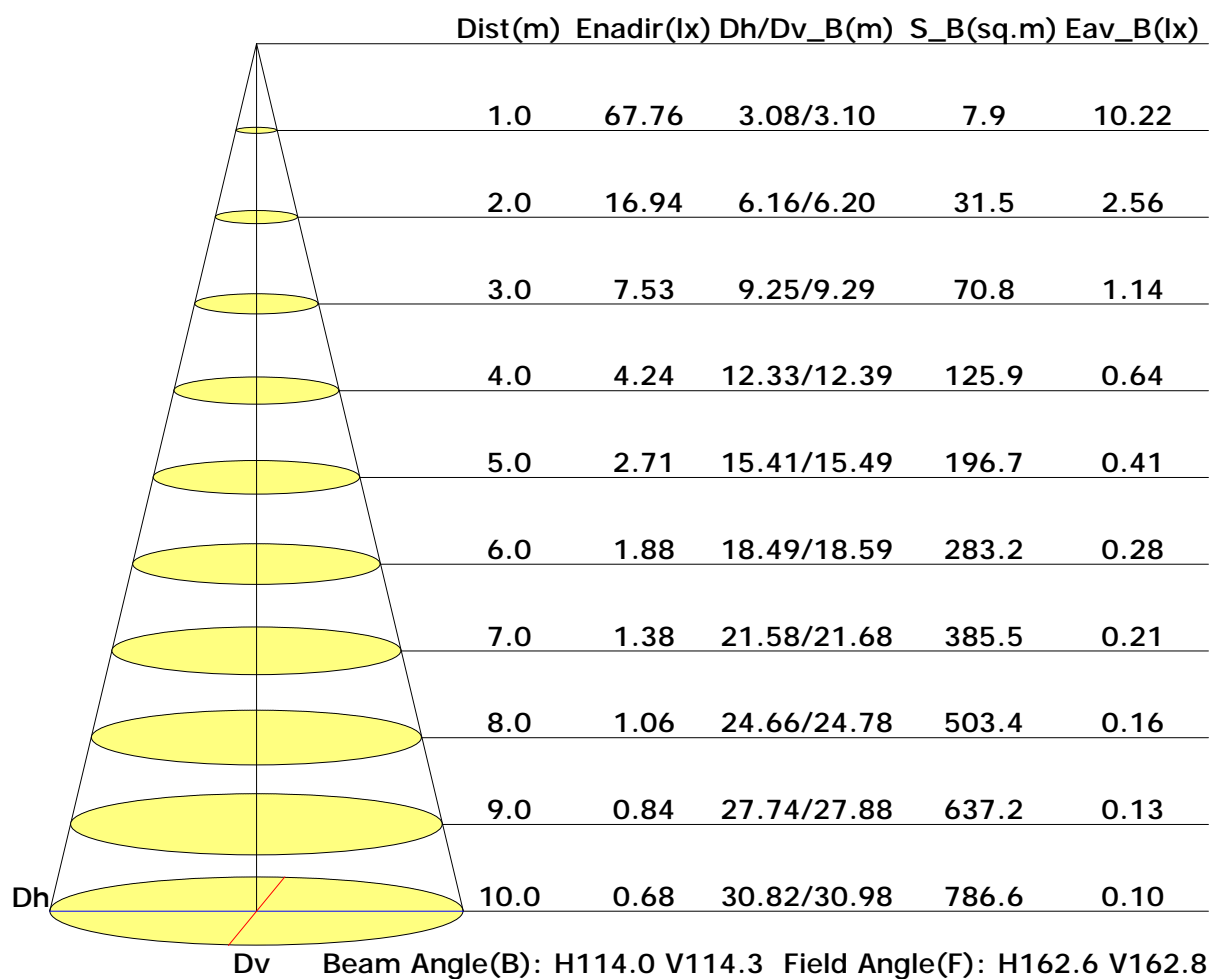
Test Device: GPM-1800B

Distance: 9.028 m

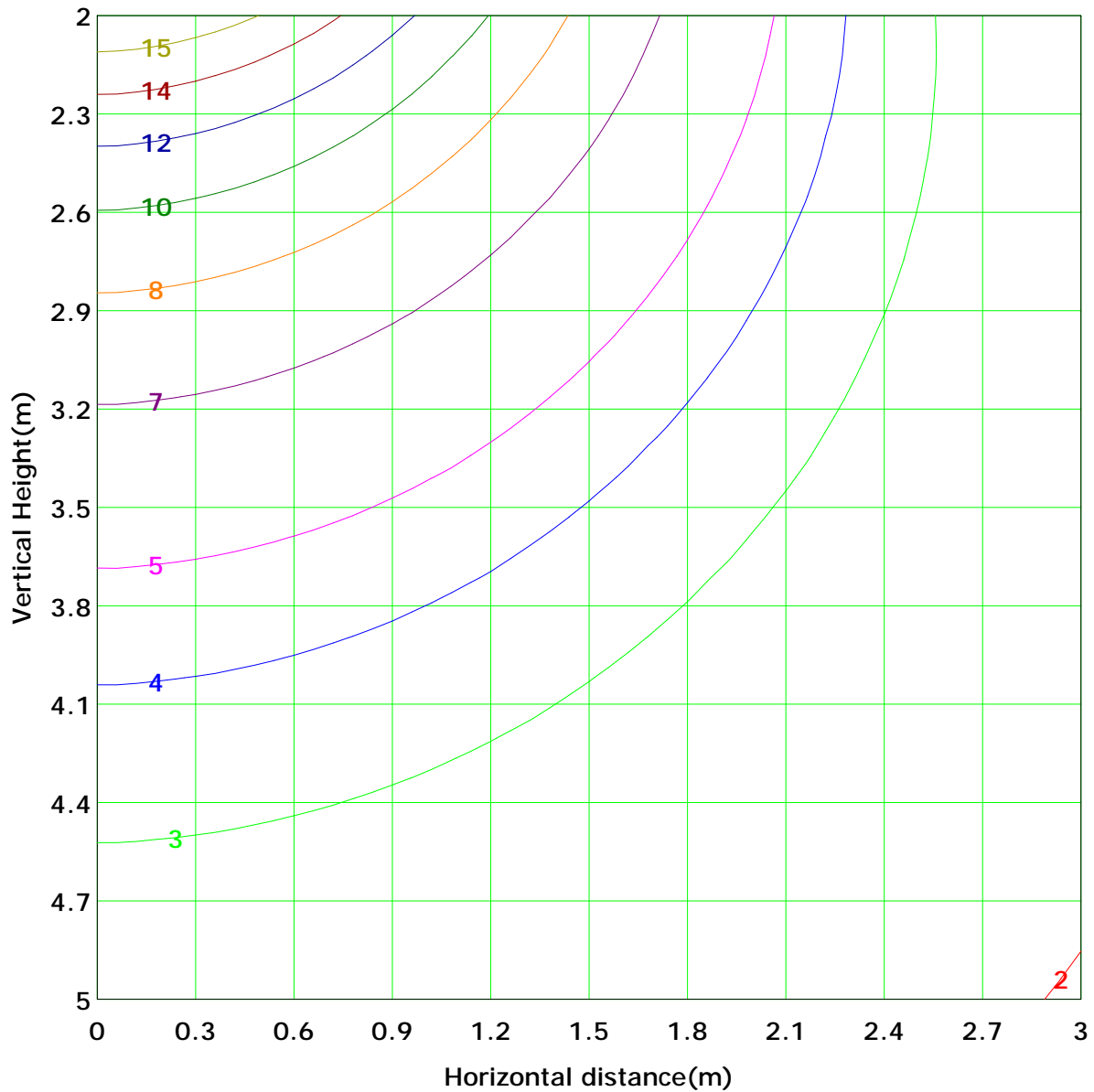
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | | |
|-----------------|------------------|------------------|
| Lowest(m): 2.0m | Highest(m): 5.0m | Max Lux: 16.9 lx |
| (10%): 1.7 lx | (20%): 3.4 lx | |
| (25%): 4.2 lx | (30%): 5.1 lx | |
| (40%): 6.8 lx | (50%): 8.5 lx | |
| (60%): 10.2 lx | (70%): 11.9 lx | |
| (80%): 13.6 lx | (90%): 15.2 lx | |

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

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

Area Flux Table

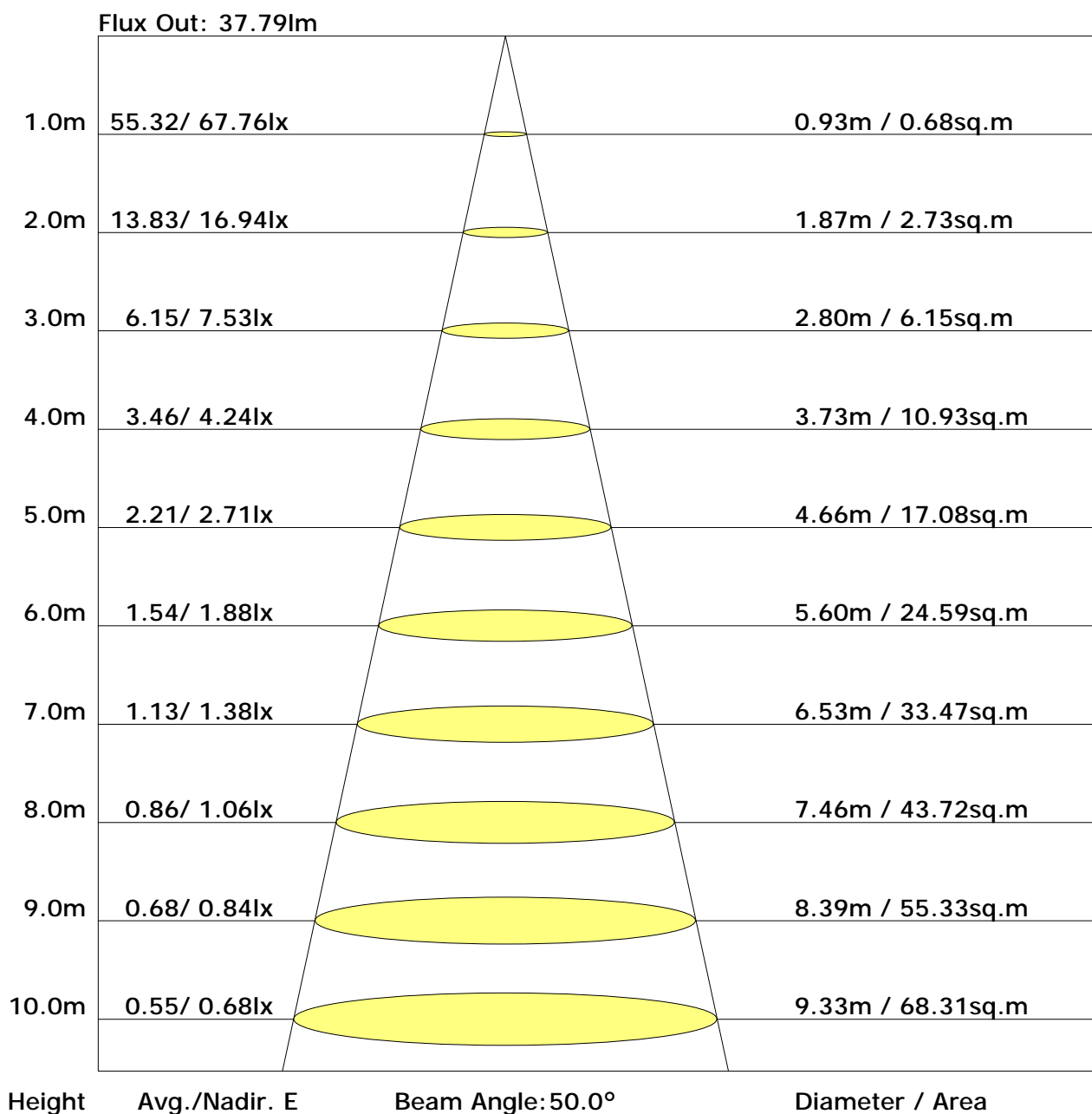
Unit: lm

| 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 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 1.0 | 1.4 | 1.4 | 1.7 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.3 | 0.2 |
| | -80 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 1.0 | 1.4 | 1.4 | 1.7 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.6 |
| | -70 | 0.0 | 0.1 | 0.1 | 0.3 | 0.4 | 0.5 | 0.6 | 0.6 | 1.0 | 1.4 | 1.4 | 1.7 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.5 | 4.4 |
| | -60 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.7 | 0.9 | 0.9 | 1.0 | 1.3 | 1.3 | 1.6 | 1.8 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 8.2 | 8.1 |
| | -50 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.7 | 0.9 | 1.0 | 1.0 | 1.3 | 1.3 | 1.6 | 1.8 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 12.3 | 12.2 |
| | -40 | 0.0 | 0.1 | 0.3 | 0.5 | 0.7 | 0.8 | 1.1 | 1.2 | 1.3 | 1.6 | 1.6 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 16.2 | 16.1 |
| | -30 | 0.0 | 0.1 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.5 | 1.6 | 1.8 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 19.5 | 19.3 |
| | -20 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.1 | 1.5 | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 21.7 | 21.6 |
| | -10 | 0.0 | 0.1 | 0.4 | 0.7 | 1.0 | 1.3 | 1.6 | 1.9 | 2.0 | 2.2 | 2.2 | 2.4 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 22.7 | 22.5 |
| | 0 | 0.0 | 0.1 | 0.4 | 0.7 | 1.0 | 1.3 | 1.6 | 1.9 | 2.0 | 2.2 | 2.2 | 2.4 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 22.2 | 22.0 |
| | 10 | 0.0 | 0.1 | 0.4 | 0.7 | 1.0 | 1.3 | 1.6 | 1.9 | 2.0 | 2.2 | 2.2 | 2.4 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 20.2 | 20.1 |
| | 20 | 0.0 | 0.1 | 0.4 | 0.7 | 1.0 | 1.3 | 1.6 | 1.9 | 2.0 | 2.2 | 2.2 | 2.4 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 17.2 | 17.0 |
| | 30 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.1 | 1.5 | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 13.3 | 13.1 |
| | 40 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.1 | 1.5 | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 9.2 | 9.0 |
| | 50 | 0.0 | 0.1 | 0.3 | 0.5 | 0.8 | 1.0 | 1.2 | 1.4 | 1.4 | 1.6 | 1.6 | 1.8 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.5 | 5.3 |
| | 60 | 0.0 | 0.1 | 0.2 | 0.5 | 0.7 | 0.8 | 1.0 | 1.1 | 1.1 | 1.3 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.6 | 2.3 |
| | 70 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.6 | 0.7 | 0.8 | 0.8 | 1.0 | 1.0 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.7 | 0.5 |
| | 80 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.1 | 0.0 |
| | 90 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 1.5 | 0.7 |
| | Flux(T) | 0.3 | 1.8 | 4.5 | 8.2 | 12.3 | 16.2 | 19.5 | 21.7 | 22.7 | 22.2 | 20.2 | 17.2 | 13.3 | 9.2 | 5.5 | 2.6 | 0.7 | 0.1 | 0.1 | 198 | |
| | Flux(E) | 0.2 | 1.6 | 4.4 | 8.1 | 12.2 | 16.1 | 19.3 | 21.6 | 22.5 | 22.0 | 20.1 | 17.0 | 13.1 | 9.0 | 5.3 | 2.3 | 0.5 | 0.0 | 0.0 | | 195 |

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

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

The Average Illuminance Effective Figure



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

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 | 26.0 | 27.6 | 26.4 | 28.0 | 28.3 | 27.0 | 28.7 | 27.4 | 29.0 | 29.3 |
| 3H | 27.5 | 29.0 | 27.9 | 29.4 | 29.7 | 28.7 | 30.2 | 29.1 | 30.6 | 30.9 |
| 4H | 28.0 | 29.4 | 28.4 | 29.8 | 30.2 | 29.4 | 30.8 | 29.8 | 31.1 | 31.5 |
| 6H | 28.3 | 29.6 | 28.7 | 30.0 | 30.4 | 29.8 | 31.1 | 30.2 | 31.5 | 31.9 |
| 8H | 28.3 | 29.6 | 28.8 | 30.0 | 30.4 | 29.9 | 31.2 | 30.3 | 31.6 | 32.0 |
| 12H | 28.4 | 29.5 | 28.8 | 29.9 | 30.4 | 30.0 | 31.2 | 30.4 | 31.6 | 32.0 |
| X=4H Y=2H | 26.5 | 27.9 | 26.9 | 28.3 | 28.7 | 27.7 | 29.1 | 28.1 | 29.5 | 29.9 |
| 3H | 28.2 | 29.4 | 28.6 | 29.8 | 30.2 | 29.7 | 30.8 | 30.1 | 31.2 | 31.7 |
| 4H | 28.8 | 29.8 | 29.2 | 30.3 | 30.7 | 30.4 | 31.4 | 30.8 | 31.9 | 32.3 |
| 6H | 29.1 | 30.0 | 29.6 | 30.5 | 31.0 | 30.9 | 31.9 | 31.4 | 32.3 | 32.8 |
| 8H | 29.2 | 30.1 | 29.7 | 30.5 | 31.0 | 31.1 | 32.0 | 31.6 | 32.4 | 32.9 |
| 12H | 29.2 | 30.0 | 29.7 | 30.5 | 31.0 | 31.2 | 32.0 | 31.7 | 32.5 | 33.0 |
| X=8H Y=4H | 29.0 | 29.8 | 29.4 | 30.3 | 30.8 | 30.8 | 31.7 | 31.3 | 32.1 | 32.6 |
| 6H | 29.4 | 30.1 | 29.9 | 30.6 | 31.1 | 31.4 | 32.2 | 32.0 | 32.7 | 33.2 |
| 8H | 29.5 | 30.1 | 30.0 | 30.6 | 31.1 | 31.7 | 32.4 | 32.2 | 32.9 | 33.4 |
| 12H | 29.5 | 30.1 | 30.0 | 30.6 | 31.2 | 31.9 | 32.5 | 32.4 | 33.0 | 33.5 |
| X=12H Y=4H | 29.0 | 29.8 | 29.5 | 30.3 | 30.7 | 30.8 | 31.6 | 31.3 | 32.1 | 32.6 |
| 6H | 29.4 | 30.1 | 29.9 | 30.5 | 31.1 | 31.6 | 32.2 | 32.1 | 32.7 | 33.2 |
| 8H | 29.5 | 30.1 | 30.0 | 30.6 | 31.2 | 31.9 | 32.4 | 32.4 | 32.9 | 33.5 |

Calculate in accordance with CIE 190:2010

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

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 | 0.56 | 0.66 | 0.73 | 0.79 | 0.86 | 0.91 | 0.95 | 1.00 | 1.03 |
| | 0.30 | | 0.48 | 0.58 | 0.66 | 0.72 | 0.80 | 0.86 | 0.90 | 0.95 | 0.99 |
| | 0.20 | | 0.42 | 0.52 | 0.60 | 0.66 | 0.75 | 0.81 | 0.85 | 0.91 | 0.96 |
| 0.50 | 0.50 | 0.20 | 0.54 | 0.64 | 0.71 | 0.76 | 0.83 | 0.88 | 0.91 | 0.95 | 0.98 |
| | 0.30 | | 0.47 | 0.57 | 0.64 | 0.70 | 0.78 | 0.83 | 0.87 | 0.92 | 0.95 |
| | 0.20 | | 0.41 | 0.52 | 0.59 | 0.65 | 0.73 | 0.79 | 0.83 | 0.89 | 0.92 |
| 0.30 | 0.50 | 0.20 | 0.52 | 0.62 | 0.69 | 0.73 | 0.80 | 0.84 | 0.88 | 0.92 | 0.94 |
| | 0.30 | | 0.46 | 0.56 | 0.63 | 0.68 | 0.75 | 0.80 | 0.84 | 0.89 | 0.92 |
| | 0.20 | | 0.41 | 0.51 | 0.58 | 0.64 | 0.71 | 0.77 | 0.81 | 0.86 | 0.89 |
| 0.00 | 0.00 | 0.00 | 0.39 | 0.48 | 0.55 | 0.61 | 0.68 | 0.73 | 0.77 | 0.82 | 0.85 |
| <p>Rating: 2W 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 = 1.25 | | | | | | | | |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | 1.01 | 0.84 | 0.71 | 0.62 | 0.50 | 0.41 | 0.35 | 0.28 | 0.23 |
| | 0.30 | | 0.84 | 0.71 | 0.62 | 0.55 | 0.45 | 0.38 | 0.33 | 0.26 | 0.21 |
| | 0.20 | | 0.72 | 0.62 | 0.55 | 0.49 | 0.41 | 0.35 | 0.31 | 0.24 | 0.20 |
| 0.50 | 0.50 | 0.20 | 0.97 | 0.80 | 0.68 | 0.60 | 0.48 | 0.43 | 0.34 | 0.26 | 0.21 |
| | 0.30 | | 0.82 | 0.70 | 0.60 | 0.53 | 0.43 | 0.37 | 0.32 | 0.25 | 0.21 |
| | 0.20 | | 0.71 | 0.61 | 0.54 | 0.48 | 0.40 | 0.34 | 0.30 | 0.24 | 0.20 |
| 0.30 | 0.50 | 0.20 | 0.95 | 0.77 | 0.66 | 0.57 | 0.45 | 0.38 | 0.32 | 0.25 | 0.21 |
| | 0.30 | | 0.81 | 0.68 | 0.59 | 0.52 | 0.42 | 0.35 | 0.30 | 0.24 | 0.20 |
| | 0.20 | | 0.71 | 0.61 | 0.53 | 0.47 | 0.39 | 0.33 | 0.29 | 0.23 | 0.19 |
| 0.00 | 0.00 | 0.00 | 0.61 | 0.51 | 0.44 | 0.39 | 0.32 | 0.26 | 0.23 | 0.18 | 0.15 |
| <p>Rating: 2W 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 = 1.25 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 |
| | 0.30 | | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
| | 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 | 0.16 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 |
| | 0.30 | | 0.10 | 0.11 | 0.13 | 0.14 | 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 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.20 | 0.21 |
| | 0.30 | | 0.10 | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 |
| | 0.20 | | 0.05 | 0.07 | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 |
| 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <p>Rating:2W 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> | | | | | | | | | | | |