

Report No.:

Test Time: 2017/11/9 17:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RB244.4RGB60 (ALL)

Luminaire Description: RB244.4RGB60 (ALL)

Luminous Length (mm): 500

Luminous Width (mm): 10

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.319 A

Power: 7.67 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 388 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H120.1

Vertical Diffuse Angle(50%): V120.5

Luminaire Efficacy Rating (LER): 51

Max. Intensity: 124.31 cd

Total Rated Lamp Lumens: 388.0 lm

Efficiency: 100%

Upward Ratio: 1%

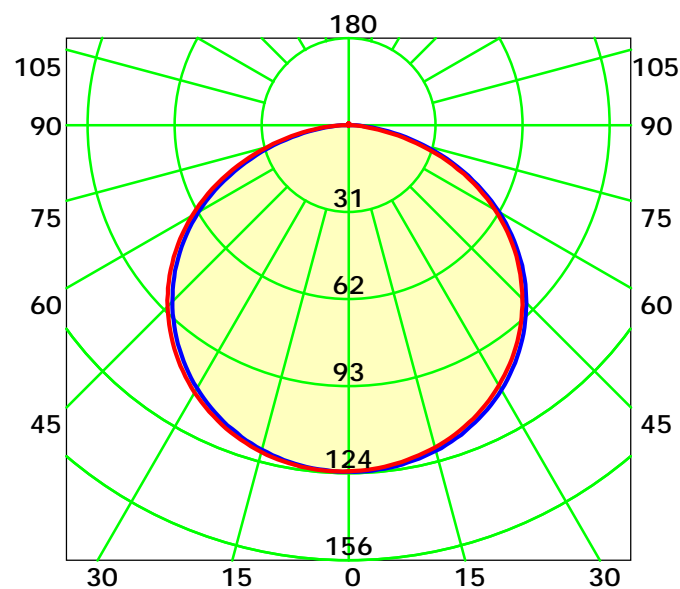
Central Intensity: 124.23 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 120.3° 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: Aaron

Gamma Plane (°):0.0-180.0: 1.0

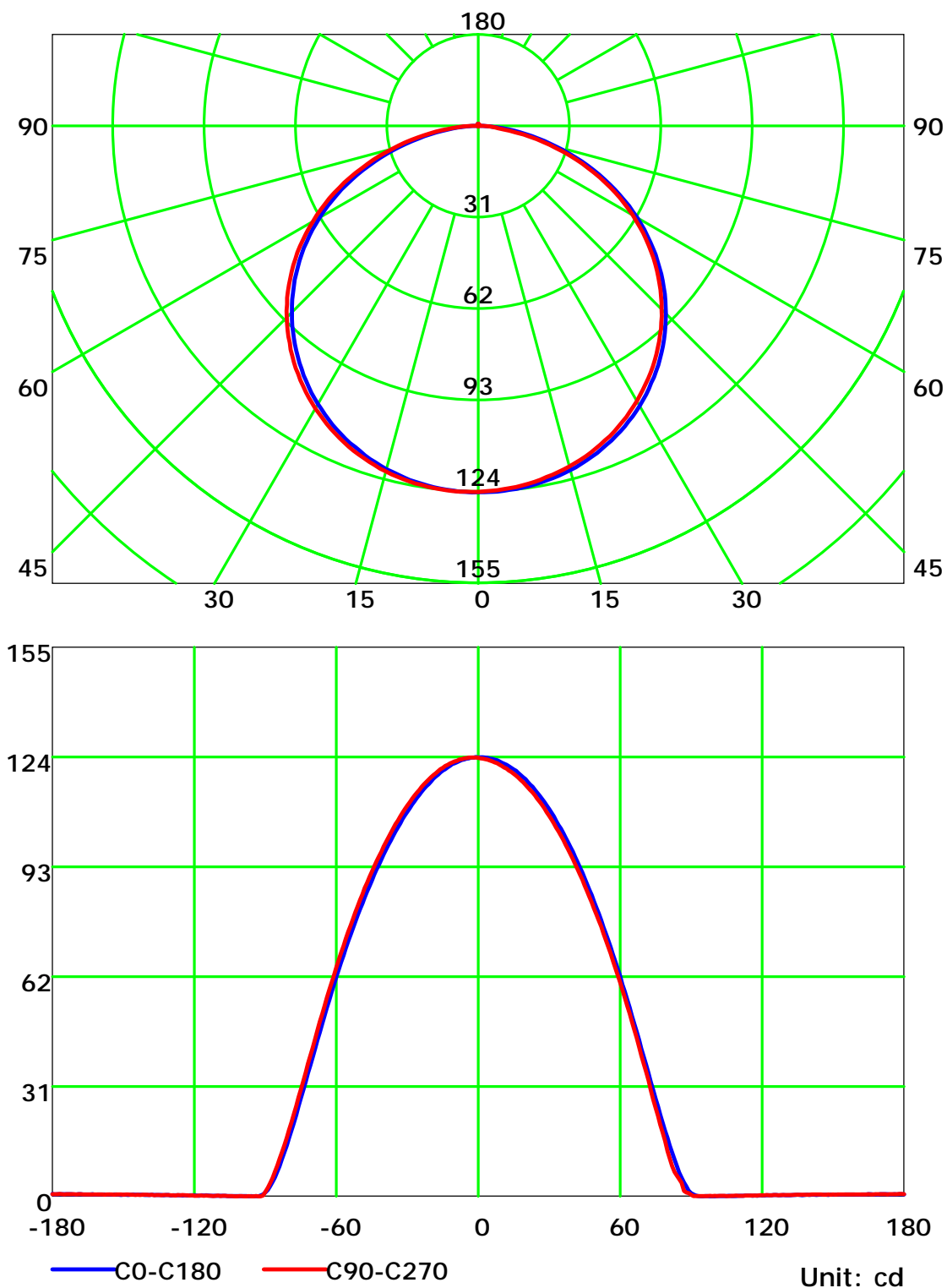
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

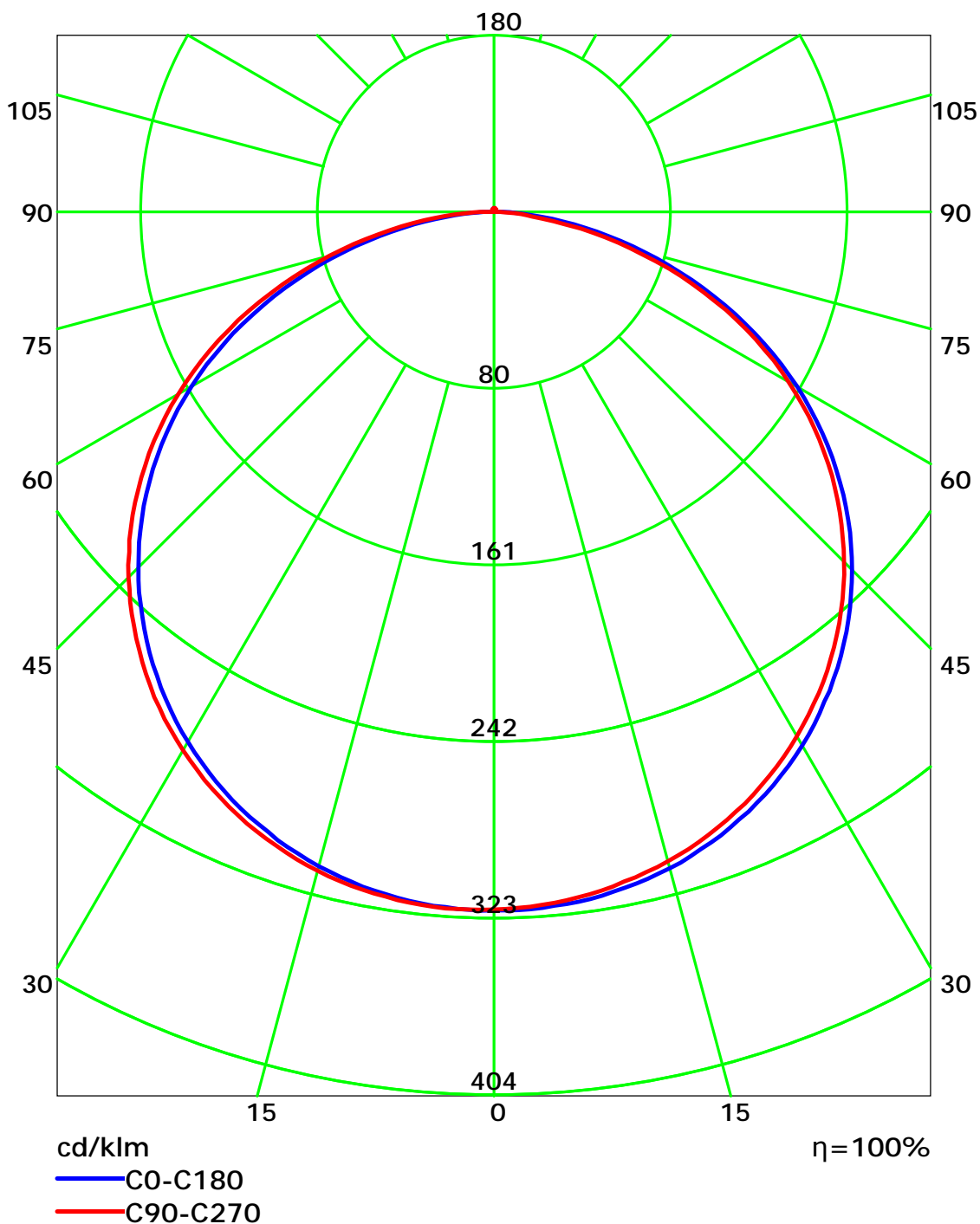
Luminous Intensity Distribution Curve



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

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: Aaron

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

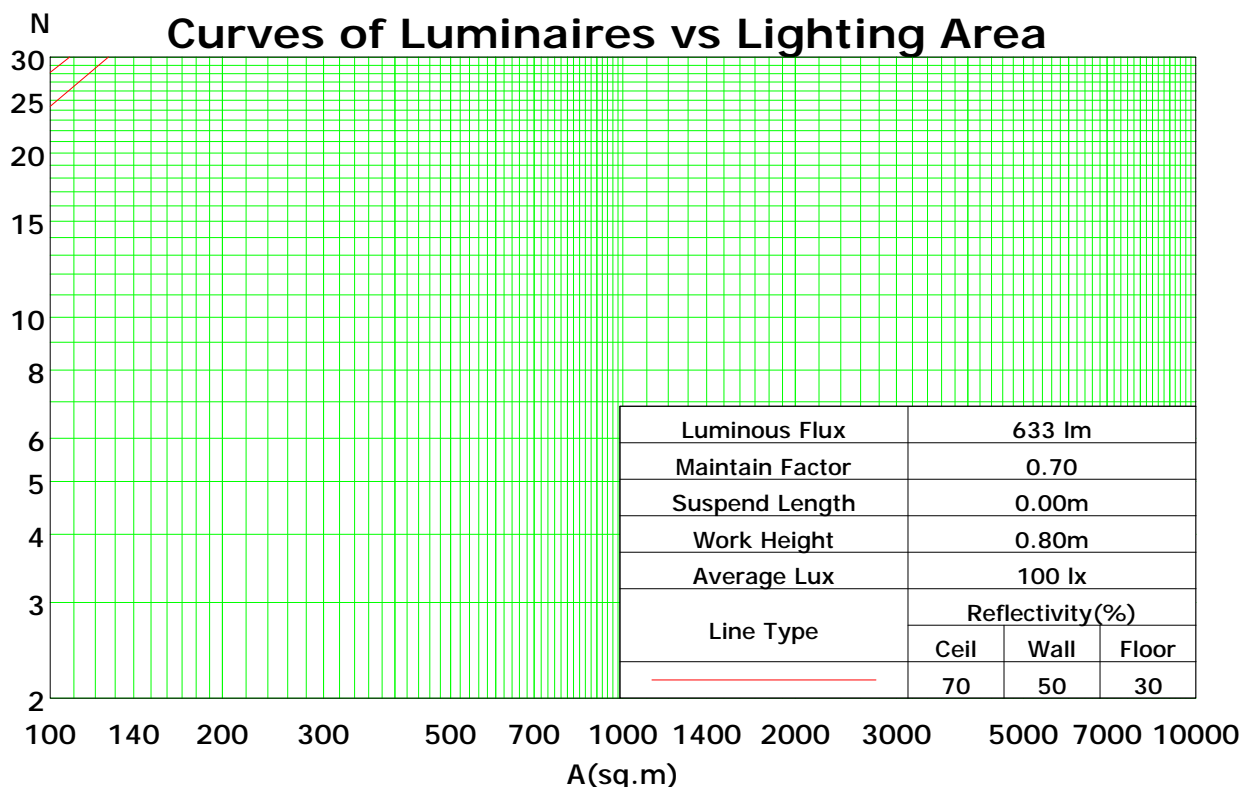
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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 | 102 | 102 | 102 | 99 |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 82 |
| 2 | 98 | 90 | 82 | 77 | 95 | 88 | 81 | 76 | 84 | 78 | 74 | 81 | 76 | 72 | 77 | 74 | 70 | 68 |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 |
| 4 | 81 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 48 |
| 5 | 75 | 62 | 52 | 45 | 73 | 60 | 52 | 45 | 58 | 50 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 41 |
| 6 | 69 | 55 | 46 | 40 | 67 | 54 | 46 | 39 | 52 | 45 | 39 | 51 | 44 | 38 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 32 |
| 8 | 59 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 30 | 41 | 35 | 30 | 28 |
| 9 | 55 | 42 | 33 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 27 | 39 | 32 | 27 | 38 | 32 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 51 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 29 | 25 | 35 | 29 | 25 | 23 |

Spacing Criteria (0-180): 1.31

Spacing Criteria (90-270): 1.31

Spacing Criteria (Diagonal): 1.43



C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: Aaron

Gamma Plane (°):0.0-180.0: 1.0

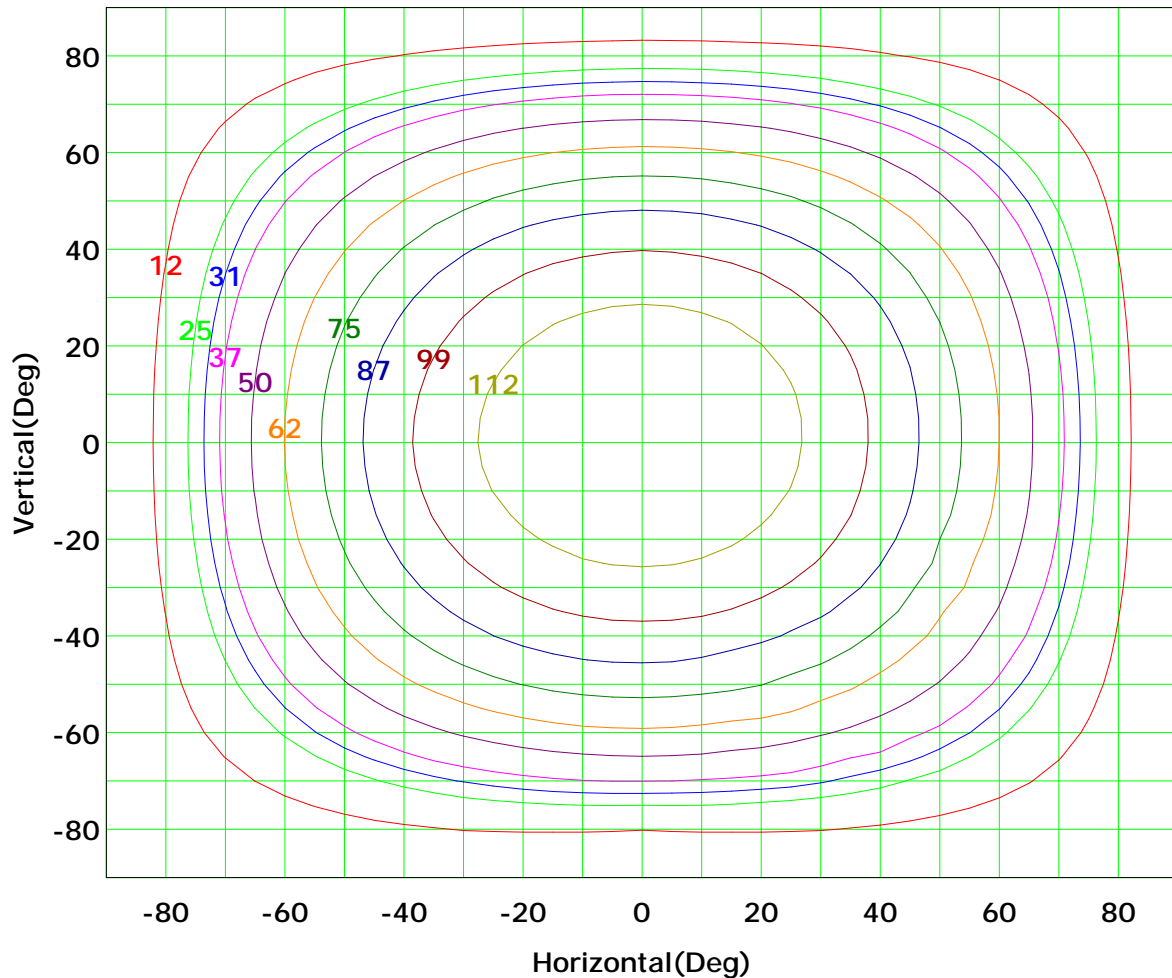
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 124 cd

| | | | |
|---------|-------|---------|--------|
| (10%): | 12 cd | (20%): | 25 cd |
| (25%): | 31 cd | (30%): | 37 cd |
| (40%): | 50 cd | (50%): | 62 cd |
| (60%): | 75 cd | (70%): | 87 cd |
| (80%): | 99 cd | (90%): | 112 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

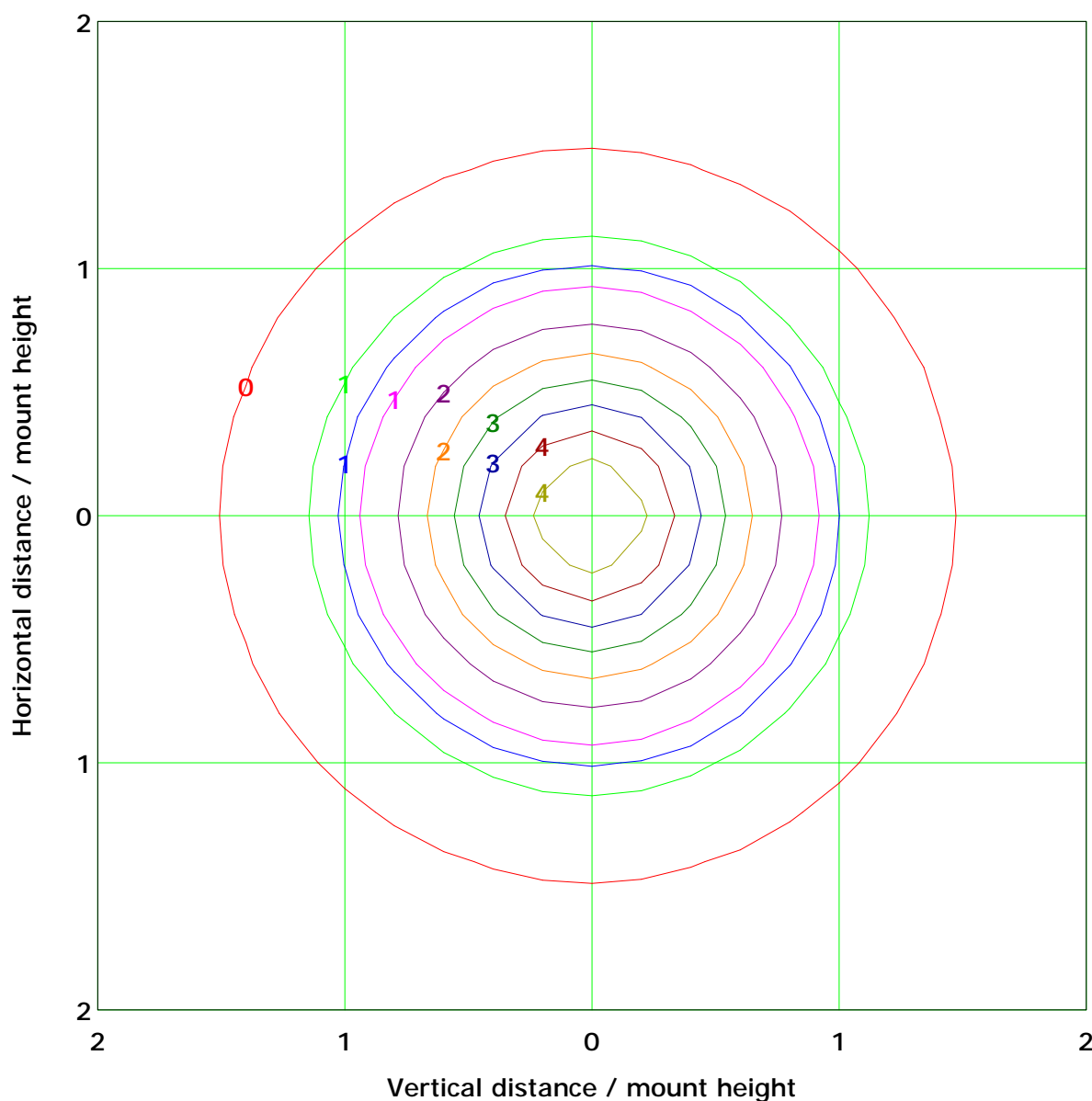
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



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

| | |
|----------------|----------------|
| (10%): 0.5 lx | (20%): 1.0 lx |
| (25%): 1.2 lx | (30%): 1.5 lx |
| (40%): 2.0 lx | (50%): 2.5 lx |
| (60%): 3.0 lx | (70%): 3.5 lx |
| (80%): 4.0 lx | (90%): 4.5 lx |

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25°C

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

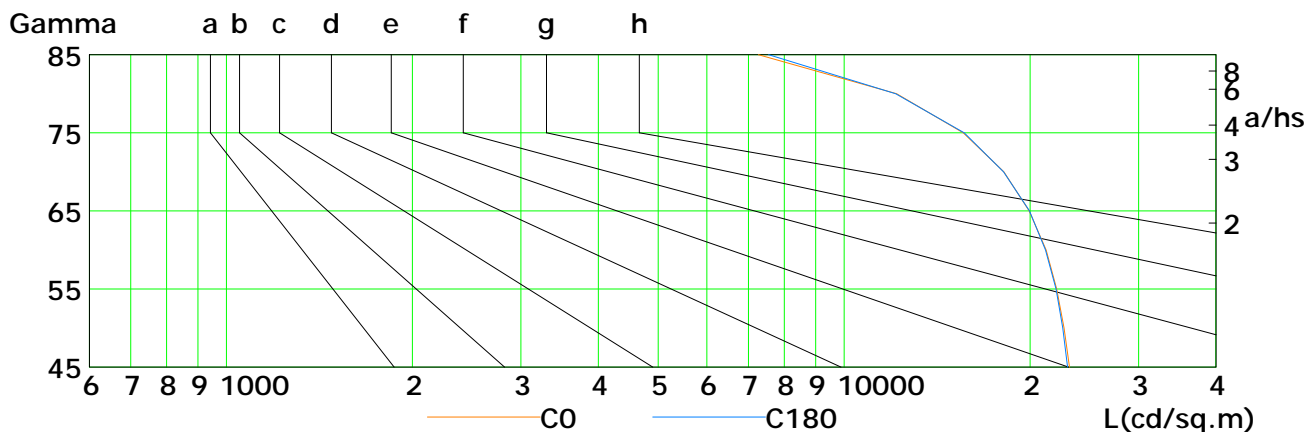
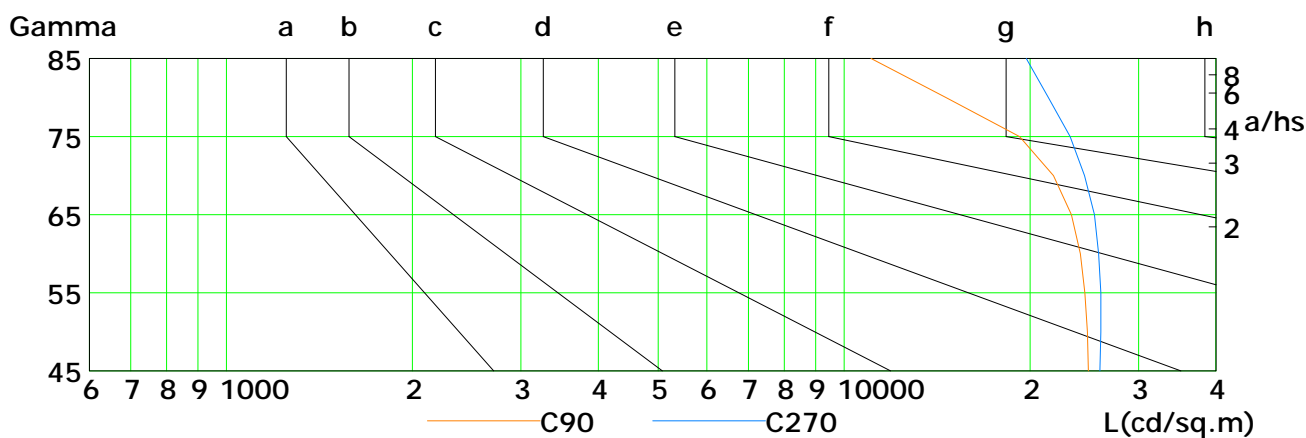
Humidity: 60%

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 | 23167 | 22722 | 22099 | 21244 | 19936 | 18143 | 15588 | 12171 | 7271 |
| C90 | 24855 | 24767 | 24554 | 24120 | 23349 | 21832 | 19244 | 14623 | 11060 |
| C180 | 23005 | 22611 | 22038 | 21190 | 19955 | 18115 | 15655 | 12127 | 7549 |
| C270 | 25958 | 26043 | 26046 | 25835 | 25446 | 24519 | 23225 | 21422 | 19720 |

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25℃

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

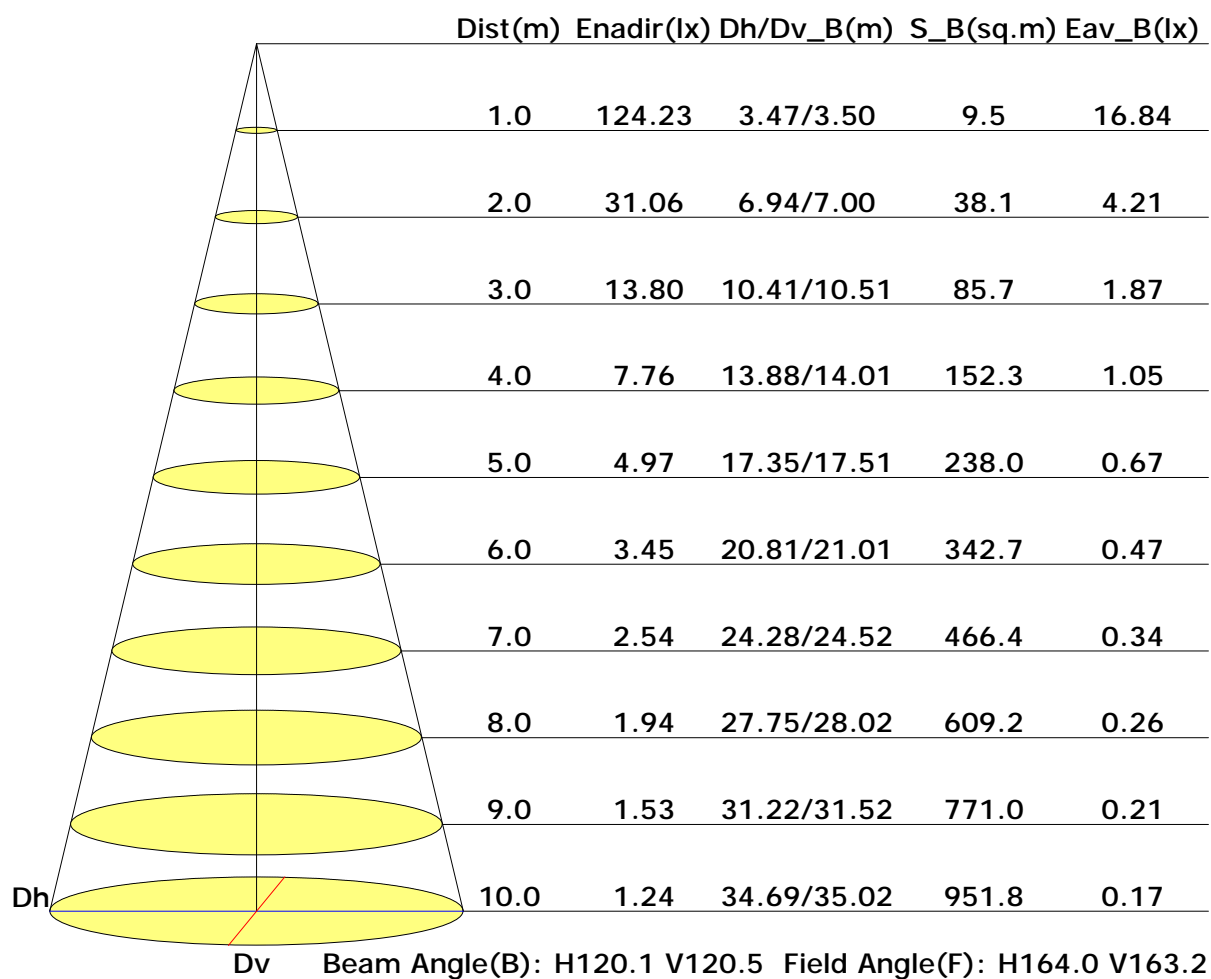
Test Device: GPM-1800B

Distance: 9.028 m

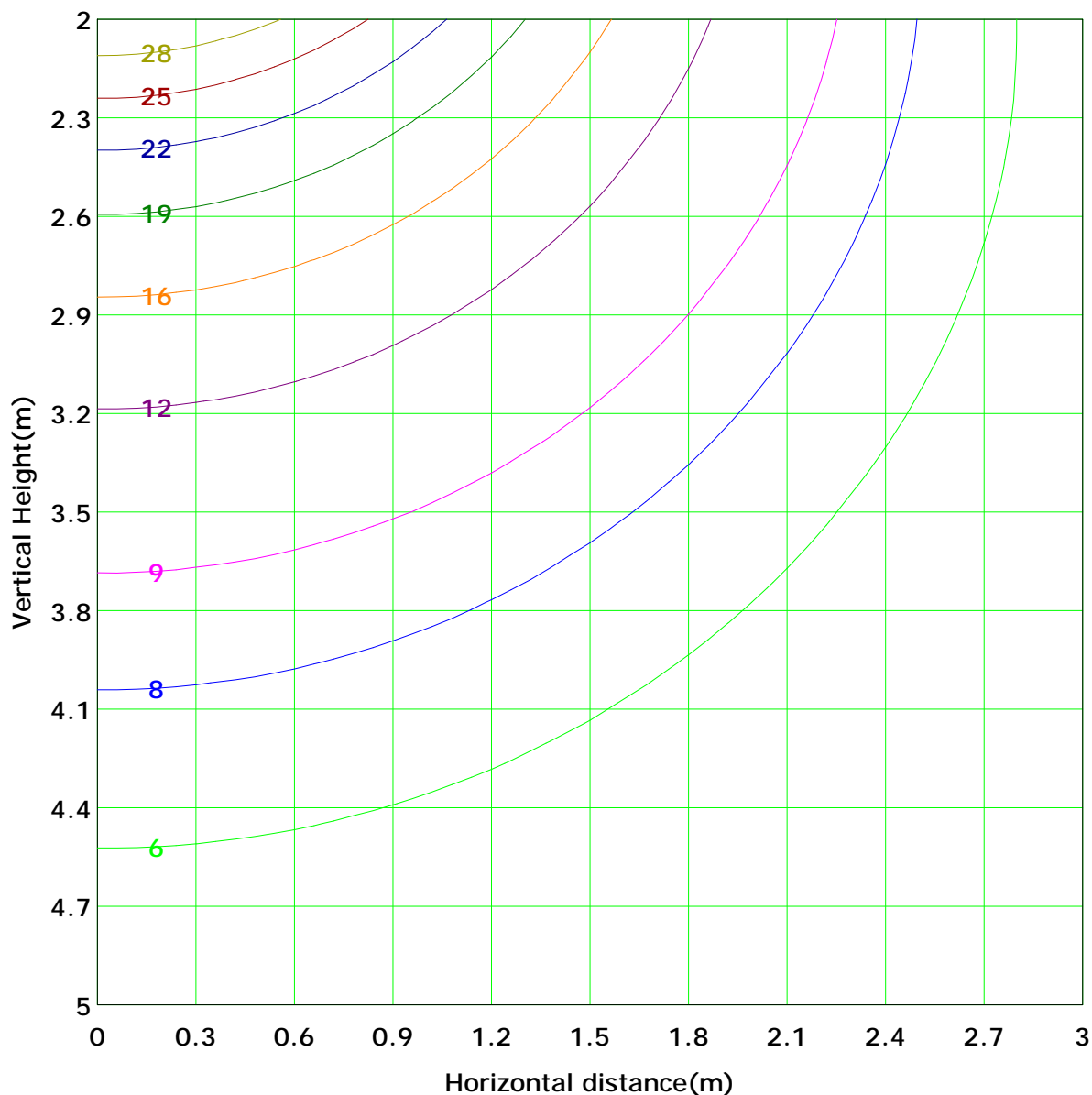
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | | |
|-----------------|------------------|------------------|
| Lowest(m): 2.0m | Highest(m): 5.0m | Max Lux: 31.1 lx |
| (10%): 3.1 lx | (20%): 6.2 lx | (30%): 9.3 lx |
| (25%): 7.8 lx | (40%): 12.4 lx | (50%): 15.5 lx |
| (60%): 18.6 lx | (70%): 21.7 lx | (80%): 24.8 lx |
| (90%): 28.0 lx | | |

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

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

Area Flux Table

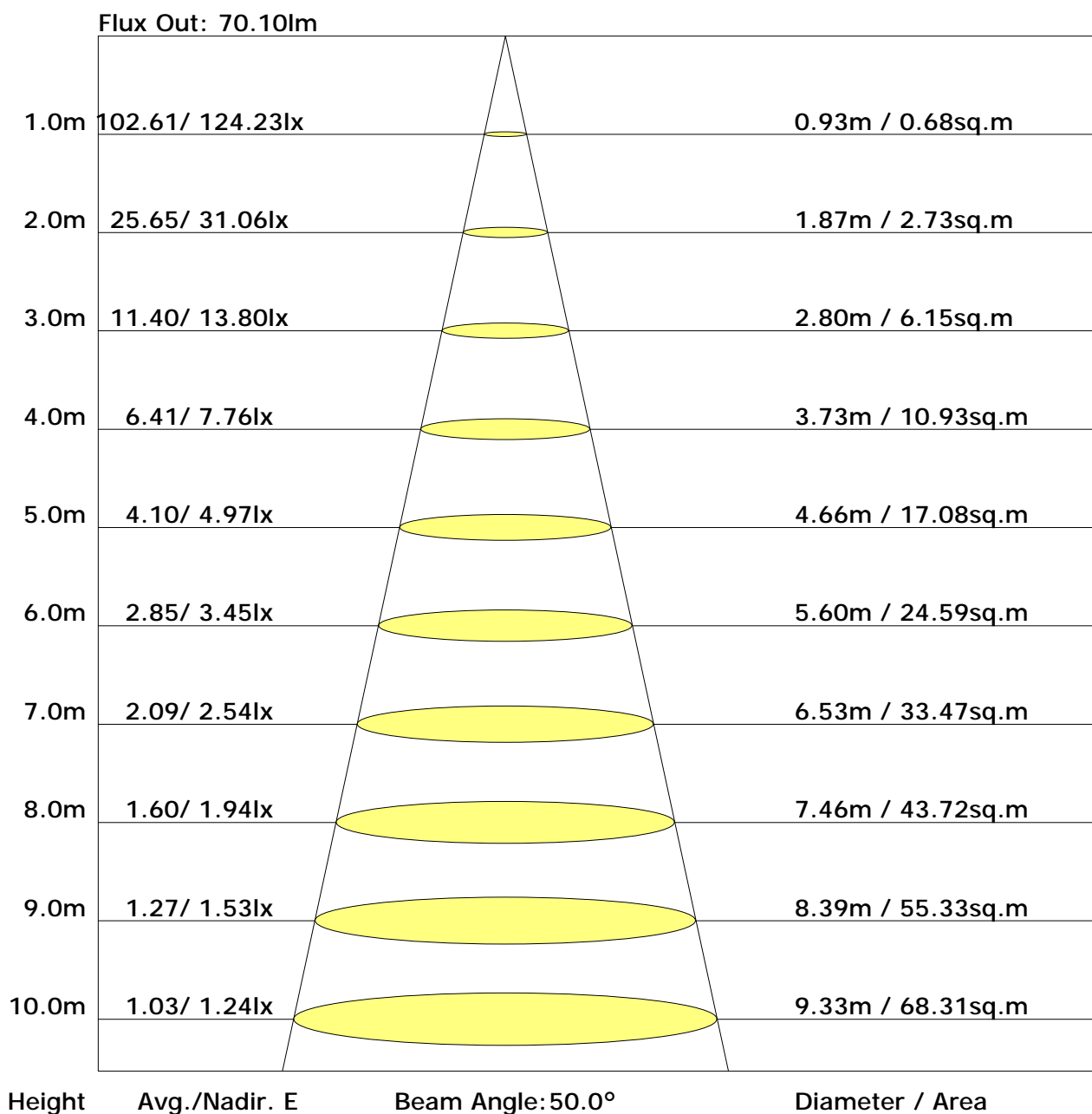
Unit: lm

| | | Vertical plane | | | | | | | | | | | | | | | | | | | | |
|---------|---------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|
| | | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| Flux(E) | Flux(T) | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.8 |
| | | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | 0.6 | 0.7 | 0.9 | 0.9 | 0.9 | 0.8 | 0.7 | 0.6 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 7.9 | 7.4 |
| 0.0 | 0.1 | 0.2 | 0.5 | 0.8 | 1.1 | 1.3 | 1.5 | 1.9 | 2.1 | 2.3 | 2.6 | 2.8 | 3.0 | 3.1 | 3.1 | 3.0 | 2.6 | 2.1 | 1.5 | 0.7 | 14.1 | 13.9 |
| 0.0 | 0.1 | 0.3 | 0.7 | 1.1 | 1.5 | 1.9 | 2.3 | 2.9 | 3.3 | 3.5 | 3.7 | 3.7 | 3.5 | 3.1 | 2.6 | 2.1 | 1.8 | 1.5 | 1.1 | 0.7 | 19.9 | 19.8 |
| 0.0 | 0.2 | 0.4 | 0.9 | 1.4 | 1.9 | 2.3 | 2.8 | 3.4 | 3.8 | 4.2 | 4.6 | 4.8 | 4.6 | 4.0 | 3.4 | 2.8 | 2.4 | 2.0 | 1.6 | 1.2 | 24.7 | 24.7 |
| 0.0 | 0.2 | 0.5 | 1.0 | 1.6 | 2.2 | 2.6 | 3.0 | 3.6 | 4.0 | 4.4 | 4.8 | 5.0 | 4.8 | 4.1 | 3.5 | 2.9 | 2.5 | 2.1 | 1.7 | 1.3 | 28.6 | 28.6 |
| 0.0 | 0.2 | 0.6 | 1.2 | 1.9 | 2.5 | 3.1 | 3.7 | 4.3 | 4.8 | 5.2 | 5.6 | 5.8 | 5.6 | 4.8 | 4.1 | 3.5 | 3.0 | 2.6 | 2.2 | 1.8 | 31.5 | 31.4 |
| 0.0 | 0.2 | 0.7 | 1.3 | 2.0 | 2.7 | 3.3 | 4.0 | 4.6 | 5.1 | 5.5 | 5.9 | 6.1 | 5.9 | 5.0 | 4.3 | 3.7 | 3.1 | 2.7 | 2.3 | 1.9 | 34.2 | 34.1 |
| 0.0 | 0.2 | 0.7 | 1.3 | 2.0 | 2.7 | 3.3 | 4.0 | 4.6 | 5.1 | 5.5 | 5.9 | 6.1 | 5.9 | 5.0 | 4.3 | 3.7 | 3.1 | 2.7 | 2.3 | 1.9 | 34.0 | 34.0 |
| 0.0 | 0.2 | 0.7 | 1.3 | 2.0 | 2.7 | 3.3 | 4.0 | 4.6 | 5.1 | 5.5 | 5.9 | 6.1 | 5.9 | 5.0 | 4.3 | 3.7 | 3.1 | 2.7 | 2.3 | 1.9 | 32.9 | 32.9 |
| 0.0 | 0.2 | 0.6 | 1.2 | 1.9 | 2.5 | 3.1 | 3.7 | 4.3 | 4.8 | 5.2 | 5.6 | 5.8 | 5.6 | 4.8 | 4.1 | 3.5 | 3.0 | 2.6 | 2.2 | 1.8 | 30.8 | 30.8 |
| 0.0 | 0.2 | 0.6 | 1.1 | 1.7 | 2.3 | 2.8 | 3.2 | 3.6 | 3.9 | 4.3 | 4.6 | 4.8 | 4.6 | 3.9 | 3.3 | 2.8 | 2.3 | 1.9 | 1.6 | 1.2 | 27.7 | 27.7 |
| 0.0 | 0.2 | 0.5 | 1.0 | 1.5 | 2.1 | 2.6 | 3.0 | 3.4 | 3.7 | 4.0 | 4.3 | 4.5 | 4.3 | 3.6 | 3.0 | 2.5 | 2.1 | 1.7 | 1.4 | 1.0 | 23.7 | 23.6 |
| 0.0 | 0.1 | 0.4 | 0.8 | 1.3 | 1.8 | 2.2 | 2.6 | 3.0 | 3.4 | 3.7 | 4.0 | 4.2 | 4.0 | 3.3 | 2.7 | 2.2 | 1.8 | 1.4 | 1.0 | 0.6 | 18.7 | 18.7 |
| 0.0 | 0.1 | 0.3 | 0.6 | 1.0 | 1.4 | 1.7 | 2.0 | 2.3 | 2.6 | 2.9 | 3.1 | 3.3 | 3.1 | 2.5 | 2.0 | 1.6 | 1.2 | 0.9 | 0.6 | 0.3 | 12.9 | 12.8 |
| 0.0 | 0.1 | 0.2 | 0.4 | 0.7 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.2 | 2.0 | 1.6 | 1.2 | 0.9 | 0.6 | 0.4 | 0.2 | 0.1 | 6.8 | 6.2 |
| 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.1 | 1.0 | 0.8 | 0.6 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 1.7 | 0.1 |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 0.3 | 2.5 | 7.2 | 13.9 | 21.5 | 29.0 | 35.6 | 40.3 | 42.8 | 42.8 | 40.3 | 35.6 | 29.0 | 21.4 | 13.8 | 7.1 | 2.4 | 0.3 | | | | 386 | |
| 0.1 | 2.1 | 6.9 | 13.6 | 21.2 | 28.8 | 35.3 | 40.1 | 42.5 | 42.5 | 40.1 | 35.3 | 28.7 | 21.1 | 13.5 | 6.8 | 2.1 | 0.1 | | | | 381 | |

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

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

The Average Illuminance Effective Figure



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 | 26.6 | 28.2 | 27.0 | 28.6 | 28.9 | 26.1 | 27.8 | 26.5 | 28.1 | 28.4 |
| 3H | 28.5 | 30.0 | 28.9 | 30.3 | 30.7 | 27.8 | 29.3 | 28.2 | 29.7 | 30.0 |
| 4H | 29.2 | 30.6 | 29.6 | 30.9 | 31.3 | 28.4 | 29.8 | 28.8 | 30.2 | 30.5 |
| 6H | 29.7 | 31.0 | 30.1 | 31.4 | 31.8 | 28.7 | 30.0 | 29.1 | 30.4 | 30.8 |
| 8H | 29.8 | 31.1 | 30.3 | 31.5 | 31.9 | 28.8 | 30.0 | 29.2 | 30.4 | 30.8 |
| 12H | 29.9 | 31.1 | 30.4 | 31.5 | 32.0 | 28.8 | 30.0 | 29.2 | 30.4 | 30.8 |
| X=4H Y=2H | 27.2 | 28.6 | 27.6 | 29.0 | 29.4 | 26.8 | 28.2 | 27.2 | 28.6 | 28.9 |
| 3H | 29.3 | 30.5 | 29.7 | 30.9 | 31.3 | 28.7 | 29.9 | 29.1 | 30.3 | 30.7 |
| 4H | 30.1 | 31.2 | 30.5 | 31.6 | 32.0 | 29.4 | 30.5 | 29.8 | 30.9 | 31.3 |
| 6H | 30.7 | 31.7 | 31.2 | 32.1 | 32.6 | 29.8 | 30.8 | 30.3 | 31.2 | 31.7 |
| 8H | 30.9 | 31.8 | 31.4 | 32.2 | 32.7 | 29.9 | 30.8 | 30.4 | 31.2 | 31.7 |
| 12H | 31.0 | 31.8 | 31.5 | 32.3 | 32.8 | 29.9 | 30.7 | 30.4 | 31.2 | 31.7 |
| X=8H Y=4H | 30.4 | 31.2 | 30.8 | 31.7 | 32.2 | 29.7 | 30.6 | 30.2 | 31.0 | 31.5 |
| 6H | 31.1 | 31.8 | 31.6 | 32.3 | 32.8 | 30.2 | 31.0 | 30.7 | 31.5 | 31.9 |
| 8H | 31.3 | 32.0 | 31.8 | 32.5 | 33.0 | 30.4 | 31.0 | 30.9 | 31.5 | 32.0 |
| 12H | 31.5 | 32.1 | 32.0 | 32.6 | 33.2 | 30.4 | 31.0 | 31.0 | 31.5 | 32.1 |
| X=12H Y=4H | 30.4 | 31.2 | 30.9 | 31.7 | 32.1 | 29.7 | 30.5 | 30.2 | 31.0 | 31.5 |
| 6H | 31.1 | 31.8 | 31.6 | 32.3 | 32.8 | 30.3 | 31.0 | 30.8 | 31.4 | 32.0 |
| 8H | 31.4 | 32.0 | 31.9 | 32.5 | 33.1 | 30.5 | 31.0 | 31.0 | 31.5 | 32.1 |

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: Aaron

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 | 0.67 | 0.74 | 0.80 | 0.87 | 0.92 | 0.96 | 1.00 | 1.03 |
| | 0.30 | | 0.50 | 0.59 | 0.67 | 0.73 | 0.81 | 0.86 | 0.90 | 0.96 | 1.00 |
| | 0.20 | | 0.45 | 0.53 | 0.61 | 0.67 | 0.76 | 0.82 | 0.86 | 0.92 | 0.96 |
| 0.50 | 0.50 | 0.20 | 0.57 | 0.65 | 0.72 | 0.77 | 0.84 | 0.88 | 0.92 | 0.96 | 0.99 |
| | 0.30 | | 0.50 | 0.58 | 0.65 | 0.71 | 0.78 | 0.84 | 0.87 | 0.93 | 0.96 |
| | 0.20 | | 0.45 | 0.52 | 0.60 | 0.66 | 0.74 | 0.80 | 0.84 | 0.89 | 0.93 |
| 0.30 | 0.50 | 0.20 | 0.55 | 0.63 | 0.70 | 0.74 | 0.81 | 0.85 | 0.88 | 0.92 | 0.95 |
| | 0.30 | | 0.49 | 0.57 | 0.64 | 0.69 | 0.76 | 0.81 | 0.85 | 0.89 | 0.92 |
| | 0.20 | | 0.44 | 0.52 | 0.59 | 0.65 | 0.72 | 0.78 | 0.82 | 0.87 | 0.90 |
| 0.00 | 0.00 | 0.00 | 0.42 | 0.49 | 0.57 | 0.62 | 0.69 | 0.74 | 0.77 | 0.82 | 0.85 |
| <p>Rating:8W 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 | 0.97 | 0.83 | 0.70 | 0.61 | 0.49 | 0.41 | 0.35 | 0.27 | 0.22 |
| | 0.30 | | 0.81 | 0.71 | 0.61 | 0.54 | 0.44 | 0.37 | 0.32 | 0.26 | 0.21 |
| | 0.20 | | 0.70 | 0.62 | 0.54 | 0.49 | 0.40 | 0.35 | 0.30 | 0.24 | 0.20 |
| 0.50 | 0.50 | 0.20 | 0.94 | 0.80 | 0.67 | 0.59 | 0.47 | 0.42 | 0.33 | 0.26 | 0.21 |
| | 0.30 | | 0.80 | 0.69 | 0.59 | 0.53 | 0.43 | 0.36 | 0.31 | 0.24 | 0.20 |
| | 0.20 | | 0.69 | 0.61 | 0.53 | 0.48 | 0.39 | 0.33 | 0.29 | 0.23 | 0.19 |
| 0.30 | 0.50 | 0.20 | 0.91 | 0.77 | 0.65 | 0.56 | 0.45 | 0.37 | 0.32 | 0.25 | 0.20 |
| | 0.30 | | 0.78 | 0.67 | 0.58 | 0.51 | 0.41 | 0.35 | 0.30 | 0.24 | 0.19 |
| | 0.20 | | 0.68 | 0.60 | 0.52 | 0.47 | 0.38 | 0.33 | 0.28 | 0.22 | 0.19 |
| 0.00 | 0.00 | 0.00 | 0.58 | 0.50 | 0.43 | 0.38 | 0.31 | 0.26 | 0.22 | 0.17 | 0.14 |
| <p>Rating:8W 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 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.21 | 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 | 0.09 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 |
| 0.50 | 0.50 | 0.20 | 0.16 | 0.17 | 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 | 0.19 | 0.20 | 0.20 | 0.20 |
| | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <p>Rating:8W 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> | | | | | | | | | | | |