

Report No.:

Test Time: 2018/8/29 16:19

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RIBBONLYTE

Luminaire Description: RBS2241.560PH 1FT(300mm)

Luminous Length (mm): 300

Luminous Width (mm): 8

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.061 A

Power: 1.47 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 193.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H118.9

Vertical Diffuse Angle(50%): V118.9

Luminaire Efficacy Rating (LER): 132

Max. Intensity: 62.98 cd

Total Rated Lamp Lumens: 193.5 lm

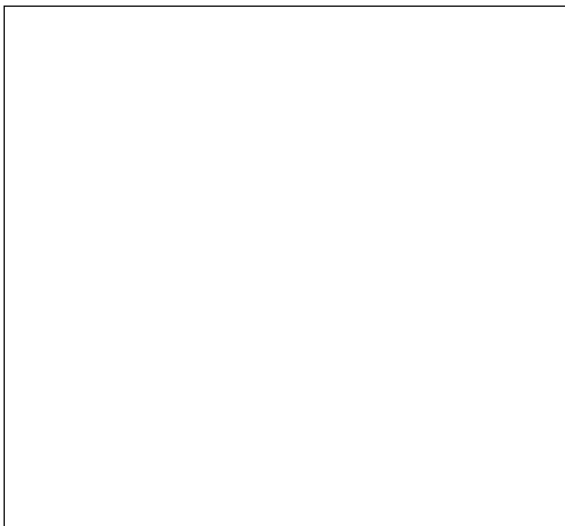
Efficiency: 100%

Upward Ratio: 1%

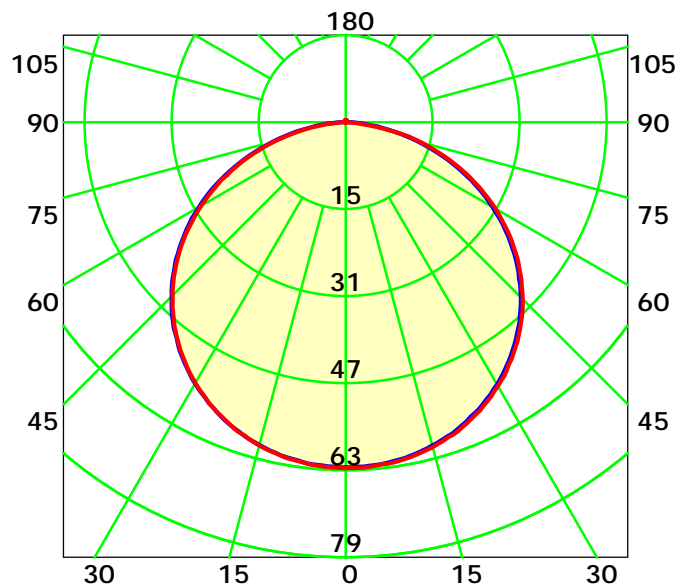
Central Intensity: 62.7 cd

Pos of Max. Intensity: H120 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 118.9° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0: 1.0

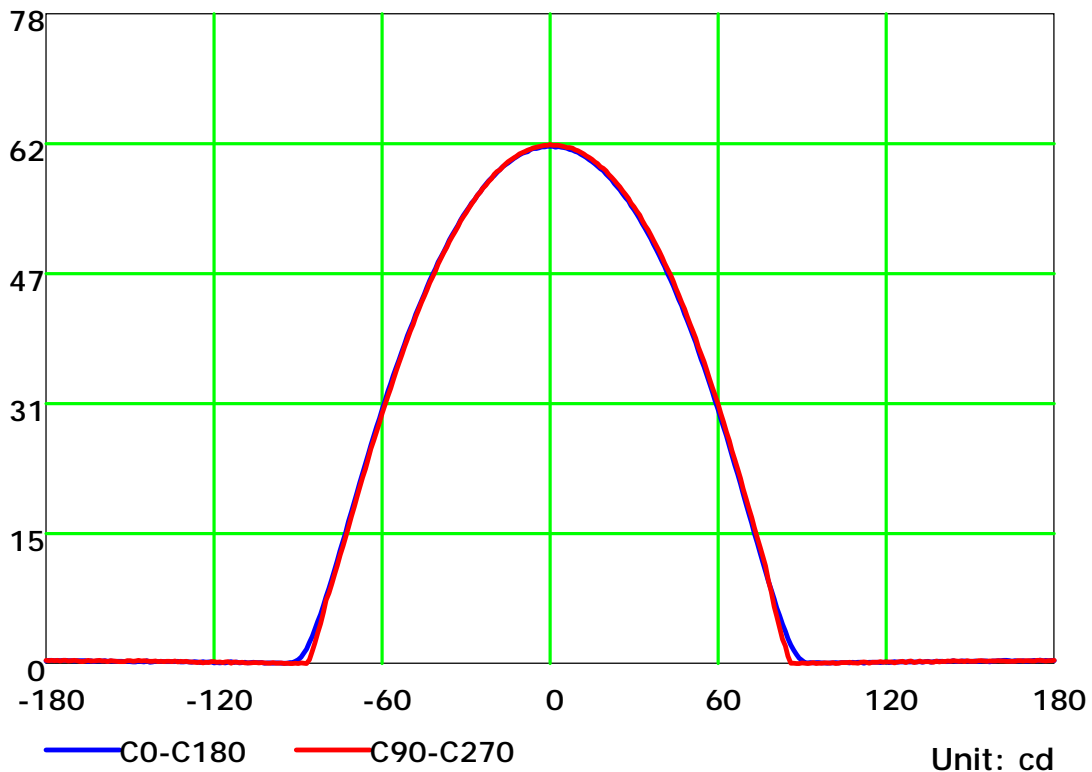
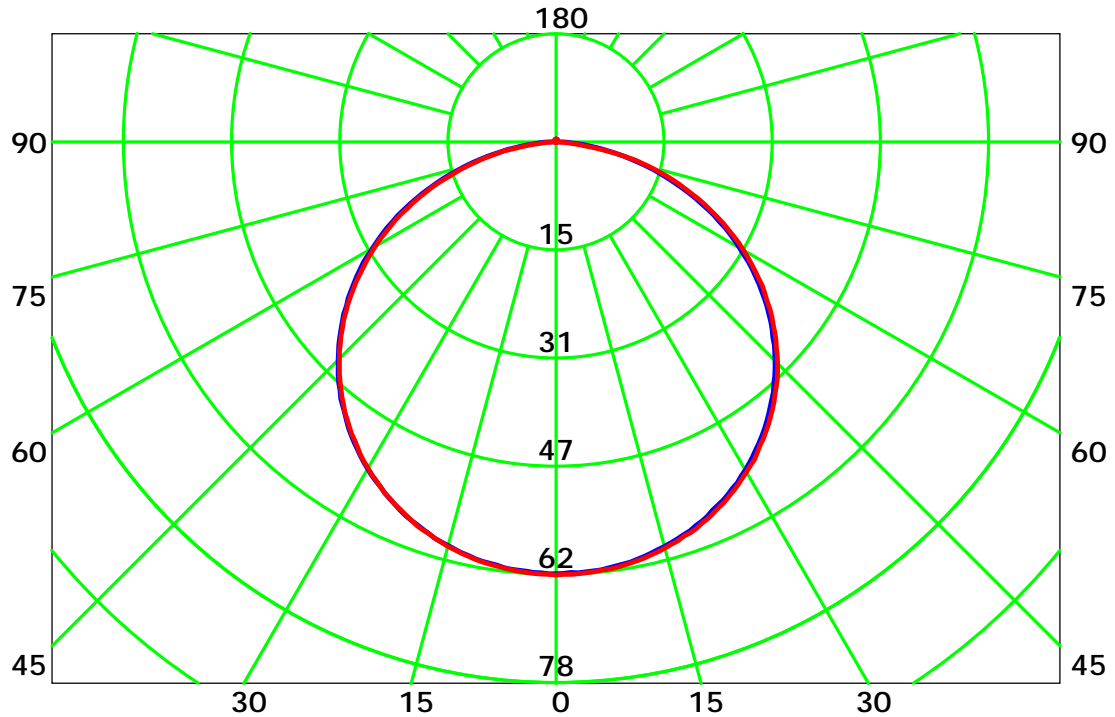
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

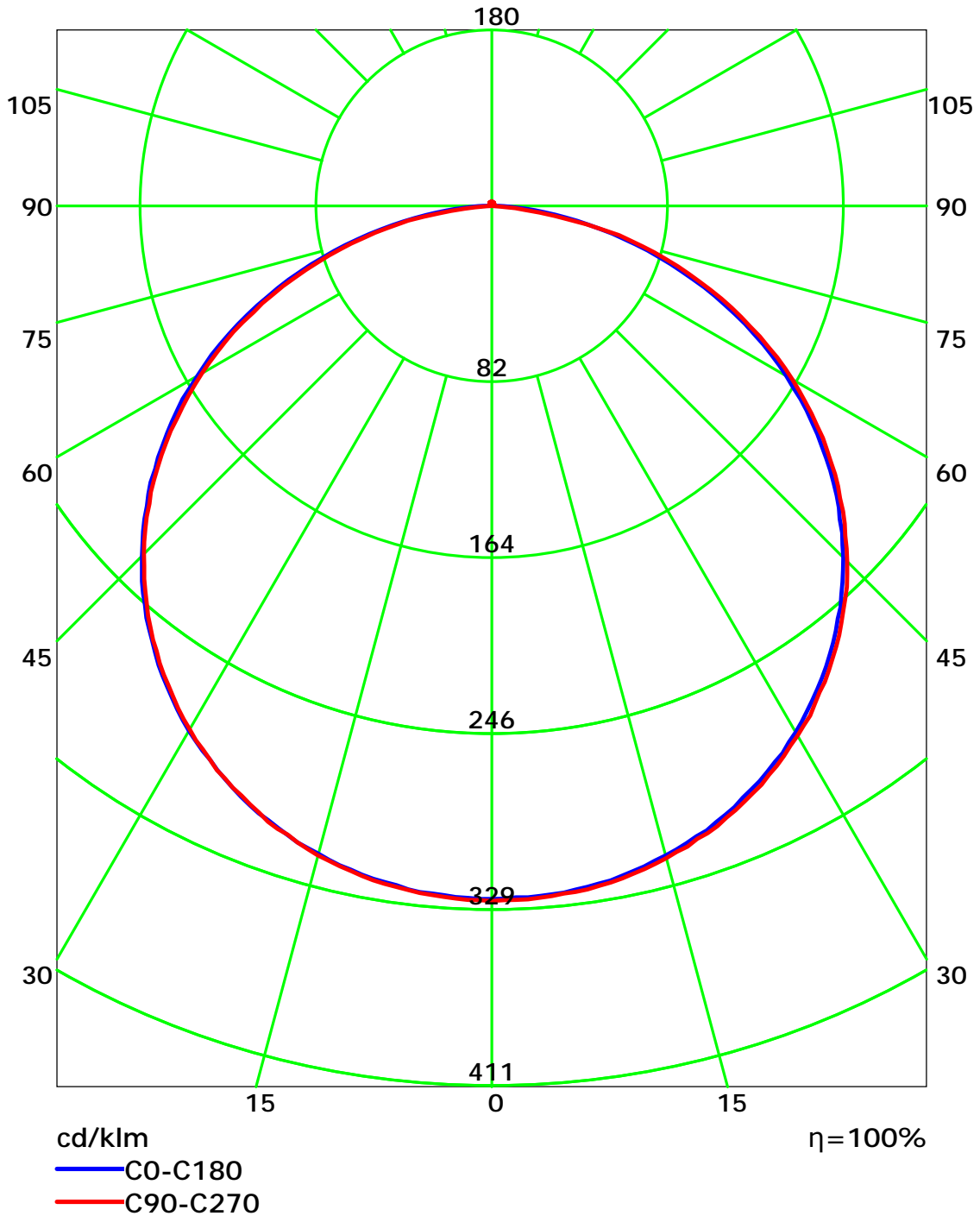
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
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:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

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:

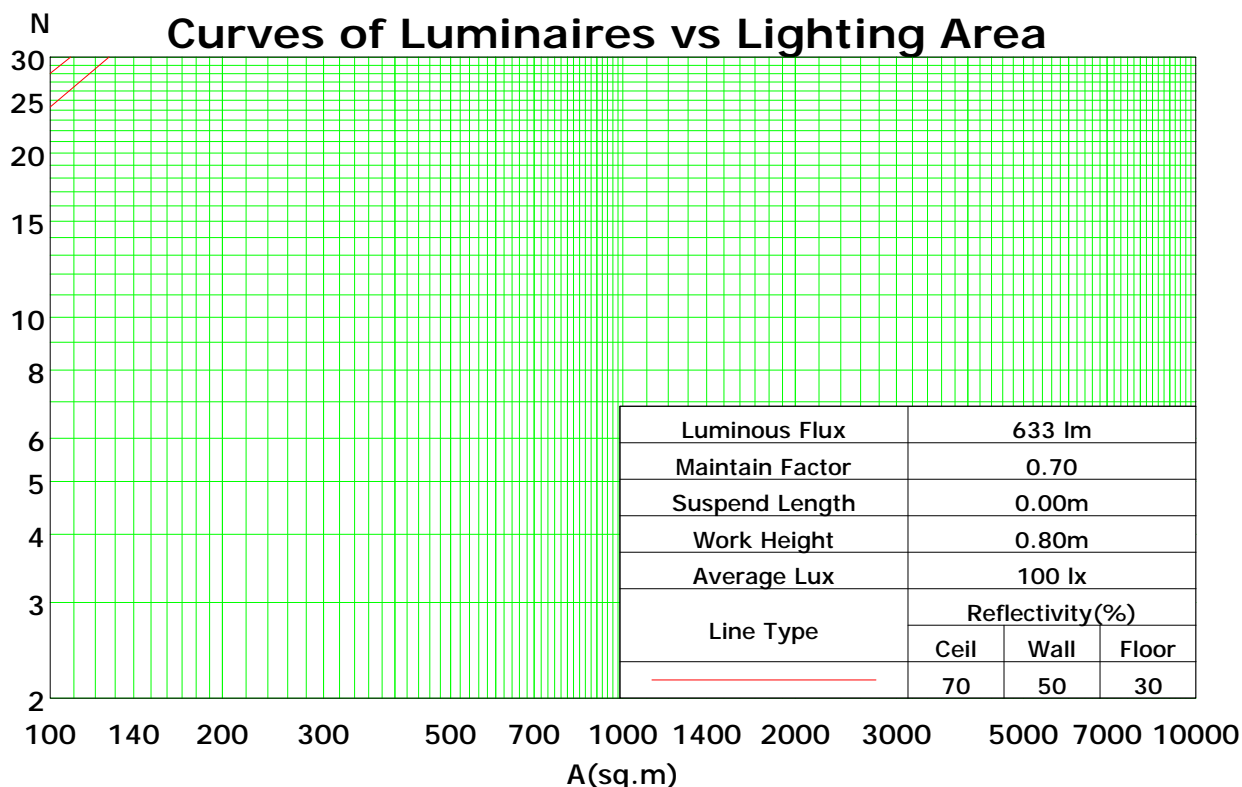
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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 | 106 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 95 | 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 | 65 | 61 | 68 | 63 | 59 | 57 |
| 4 | 82 | 69 | 60 | 54 | 79 | 68 | 60 | 53 | 65 | 58 | 52 | 63 | 57 | 51 | 61 | 55 | 51 | 48 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 58 | 51 | 45 | 56 | 50 | 44 | 54 | 49 | 44 | 42 |
| 6 | 69 | 56 | 46 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 35 | 46 | 39 | 34 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 30 | 28 |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 25 |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

Spacing Criteria (0-180): 1.30

Spacing Criteria (90-270): 1.30

Spacing Criteria (Diagonal): 1.43



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0: 1.0

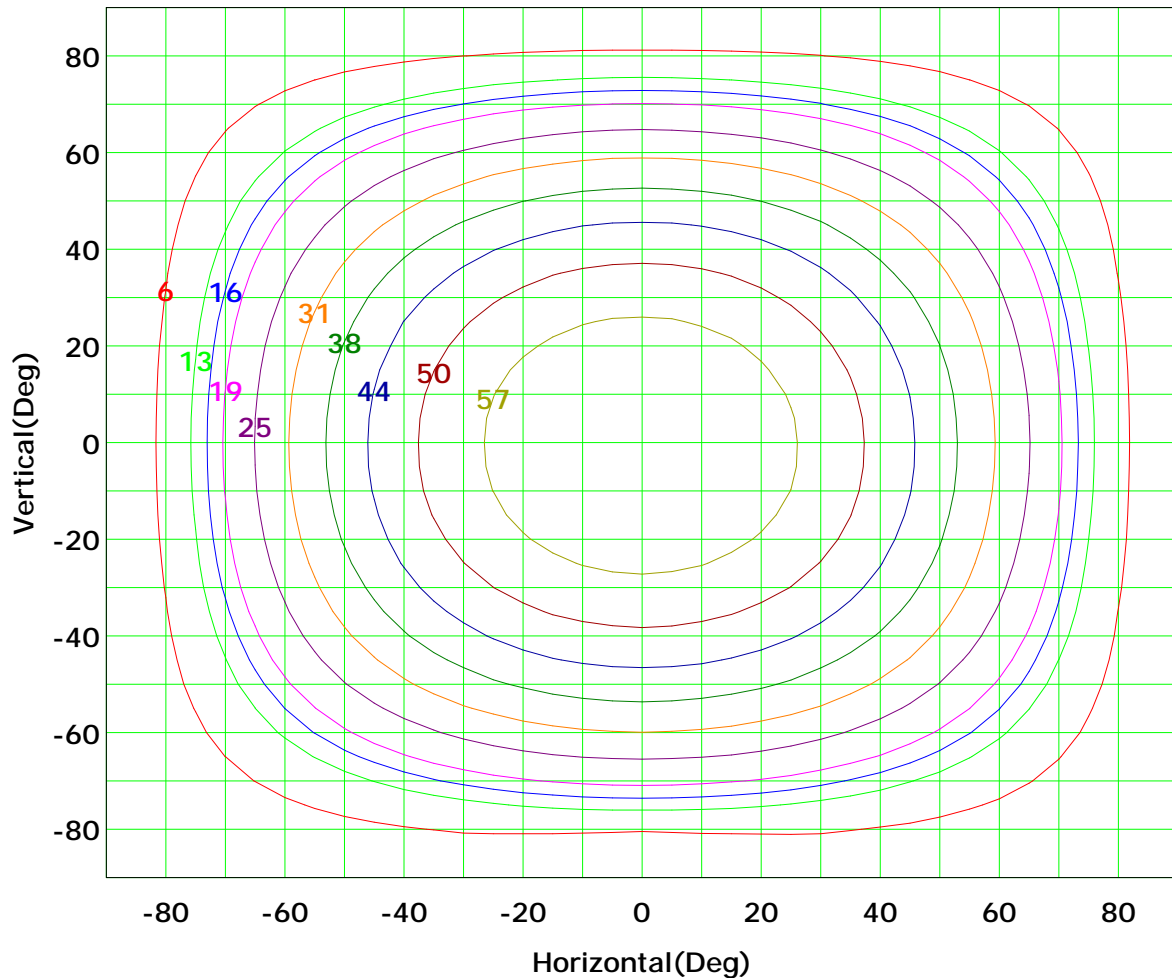
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 63 cd

| | | | |
|---------|-------|---------|-------|
| (10%): | 6 cd | (20%): | 13 cd |
| (25%): | 16 cd | (30%): | 19 cd |
| (40%): | 25 cd | (50%): | 31 cd |
| (60%): | 38 cd | (70%): | 44 cd |
| (80%): | 50 cd | (90%): | 57 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

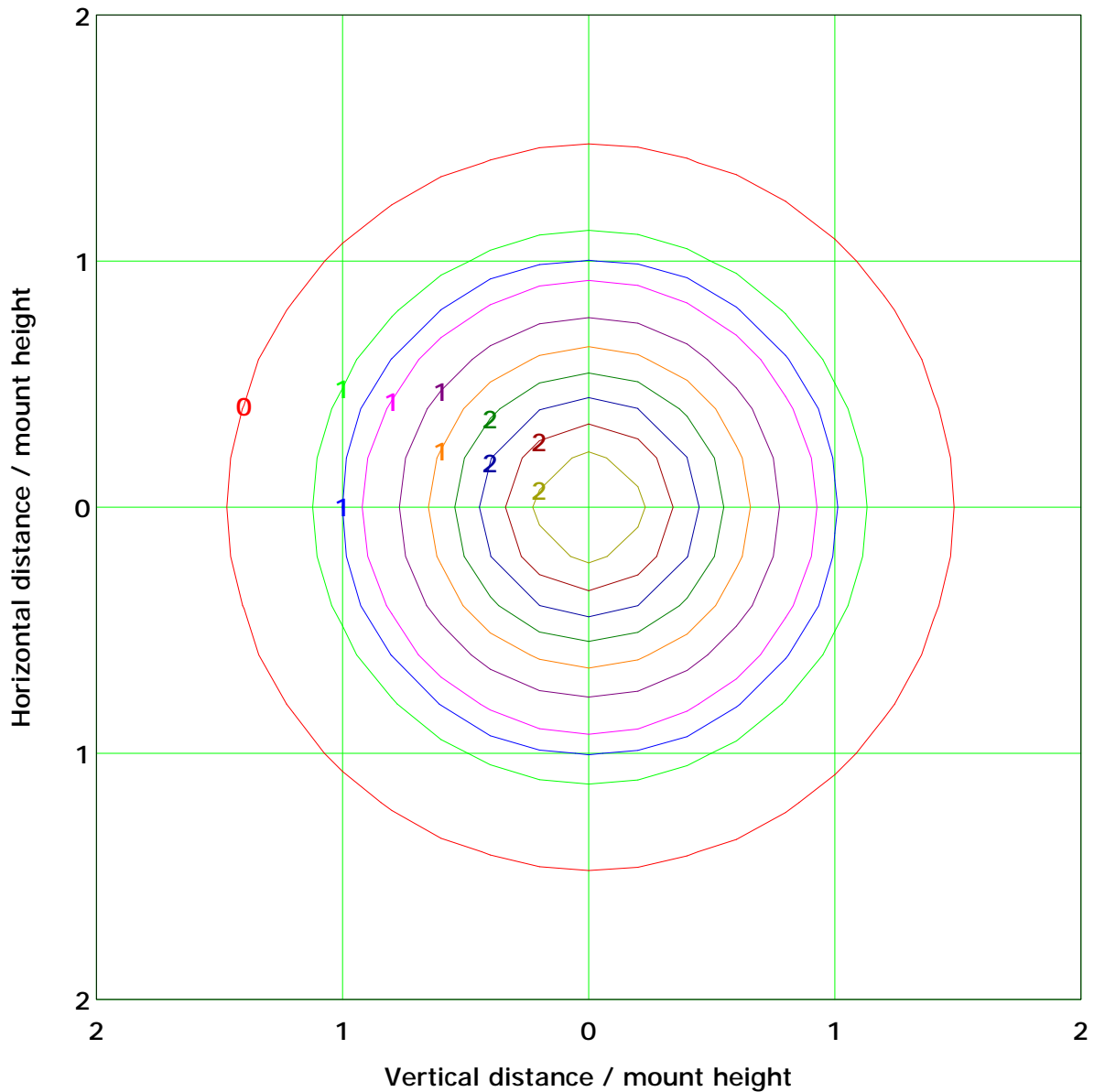
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.5 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%): 2.0 lx | (90%): 2.3 lx |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

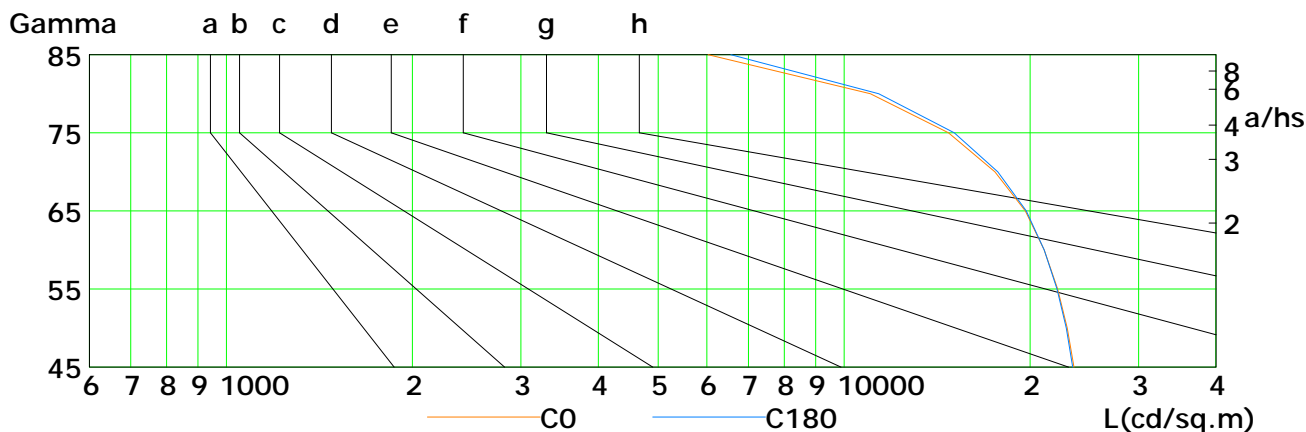
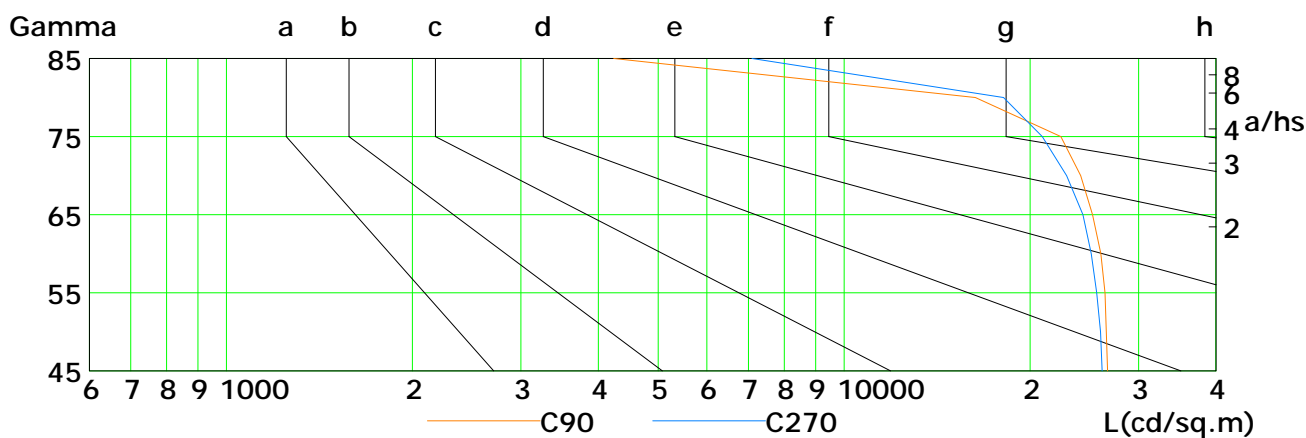
Humidity: 60%

Inspector:

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 | 23565 | 22984 | 22178 | 21092 | 19655 | 17556 | 14765 | 11036 | 6023 |
| C90 | 26710 | 26569 | 26454 | 26050 | 25246 | 24168 | 22452 | 16320 | 4237 |
| C180 | 23450 | 22894 | 22116 | 21085 | 19733 | 17746 | 15083 | 11387 | 6555 |
| C270 | 26164 | 26007 | 25652 | 25122 | 24365 | 22937 | 20942 | 18133 | 7092 |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

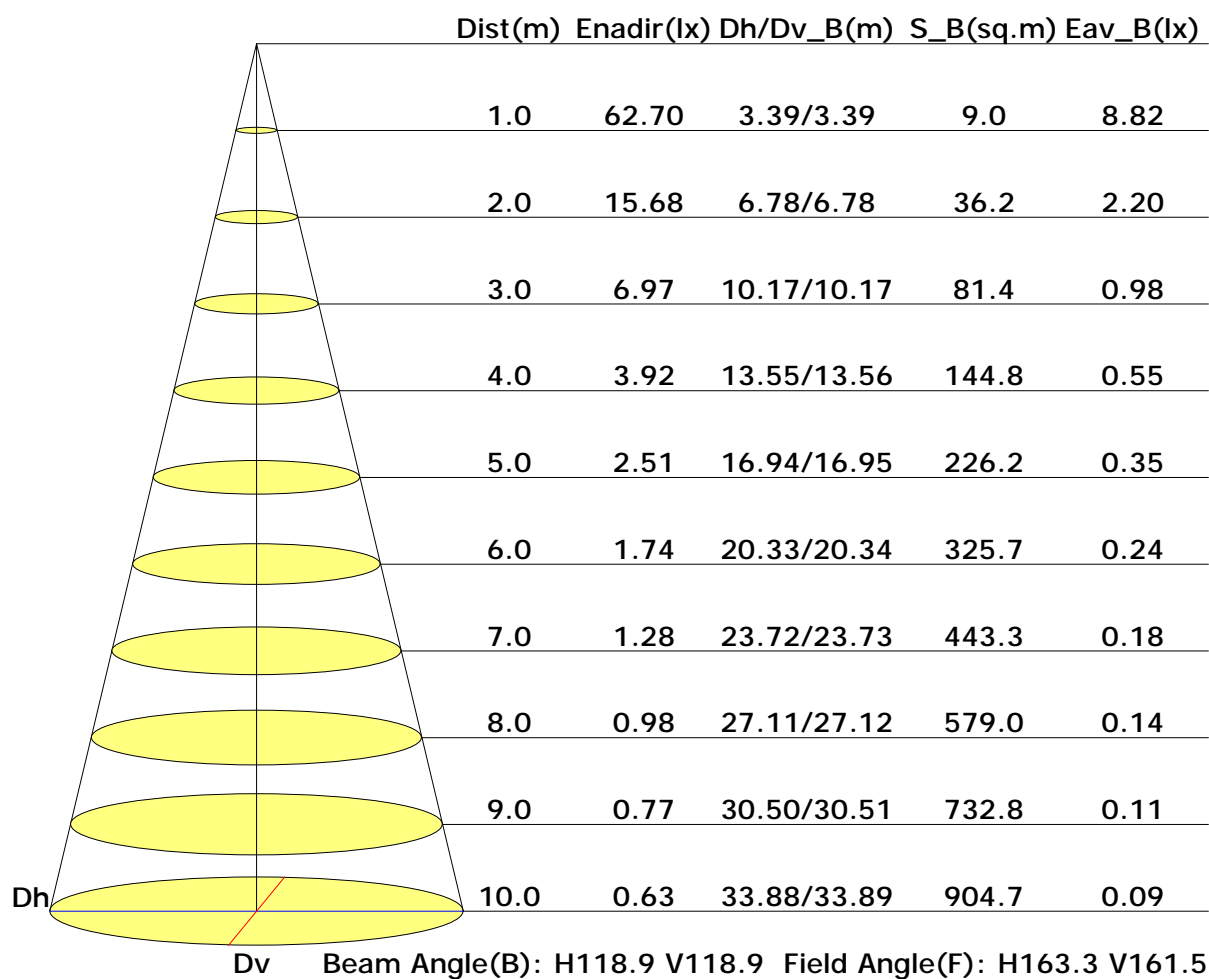
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

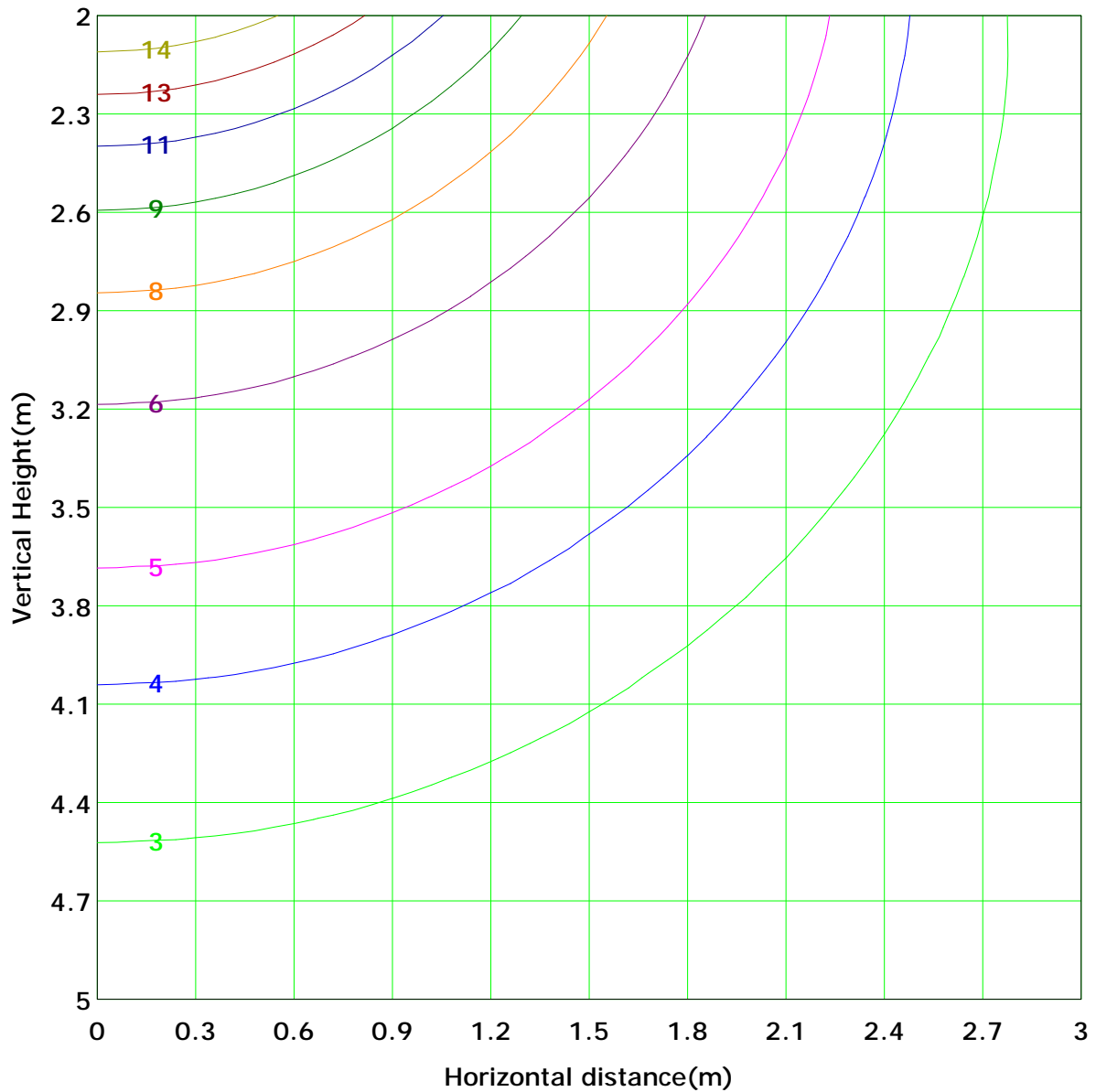
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



| | | |
|-----------------|------------------|------------------|
| Lowest(m): 2.0m | Highest(m): 5.0m | Max Lux: 15.7 lx |
| (10%): 1.6 lx | (20%): 3.1 lx | |
| (25%): 3.9 lx | (30%): 4.7 lx | |
| (40%): 6.3 lx | (50%): 7.8 lx | |
| (60%): 9.4 lx | (70%): 11.0 lx | |
| (80%): 12.5 lx | (90%): 14.1 lx | |

C Plane (°):0.0-360.0: 30.0

Test Lab:

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:

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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 |
| | -70 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 |
| | -60 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.6 |
| | -50 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.5 |
| | -40 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.4 |
| | -30 | 0.0 | 0.1 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.3 | 0.3 |
| | -20 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.3 | 0.2 |
| | -10 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.3 | 0.2 |
| | 0 | 0.0 | 0.1 | 0.3 | 0.6 | 1.0 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.6 | 0.3 | 0.1 |
| | 10 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.6 | 0.3 | 0.1 |
| | 20 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.6 | 0.3 | 0.1 |
| | 30 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.3 | 0.1 |
| | 40 | 0.0 | 0.1 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 0.8 | 0.3 | 0.1 |
| | 50 | 0.0 | 0.1 | 0.2 | 0.4 | 0.7 | 0.9 | 1.1 | 1.3 | 1.4 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 |
| | 60 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 |
| | 70 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 |
| | 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| | Flux(T) | 0.1 | 1.2 | 3.5 | 6.8 | 10.6 | 14.5 | 17.8 | 20.2 | 21.4 | 21.4 | 20.2 | 17.8 | 14.5 | 10.7 | 6.8 | 3.5 | 1.2 | 0.1 | | 192 | |
| | Flux(E) | 0.0 | 1.0 | 3.4 | 6.7 | 10.5 | 14.3 | 17.6 | 20.0 | 21.3 | 21.3 | 20.0 | 17.6 | 14.3 | 10.5 | 6.7 | 3.3 | 1.0 | 0.0 | | 190 | |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0:1.0

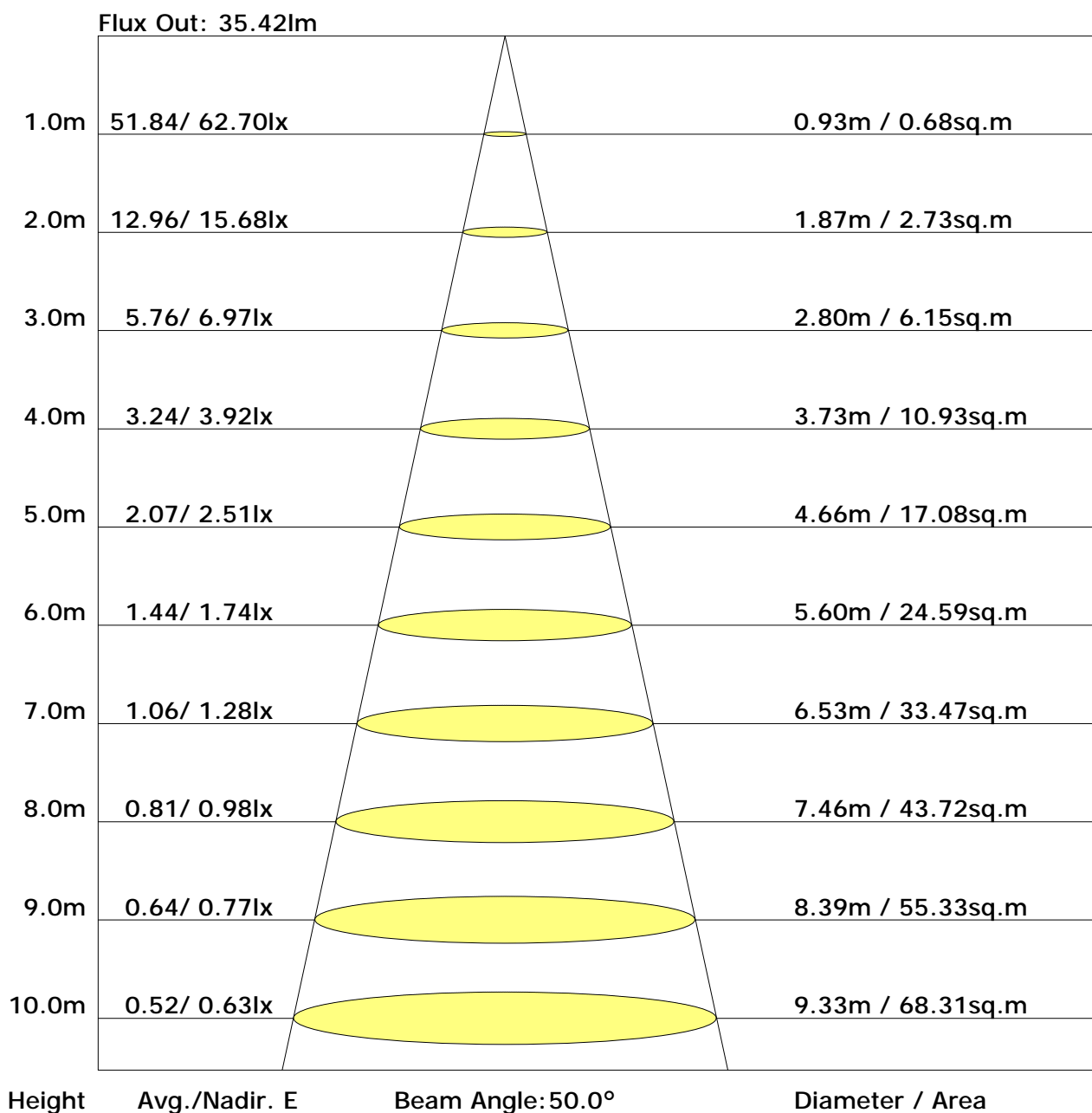
Test Device: GPM-1800B

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 | 29.1 | 30.7 | 29.5 | 31.1 | 31.4 | 28.8 | 30.4 | 29.2 | 30.8 | 31.1 |
| 3H | 30.9 | 32.4 | 31.3 | 32.8 | 33.2 | 30.5 | 32.0 | 30.9 | 32.4 | 32.8 |
| 4H | 31.6 | 33.0 | 32.0 | 33.4 | 33.8 | 31.2 | 32.6 | 31.6 | 32.9 | 33.3 |
| 6H | 32.1 | 33.4 | 32.5 | 33.8 | 34.2 | 31.5 | 32.8 | 31.9 | 33.2 | 33.6 |
| 8H | 32.2 | 33.5 | 32.7 | 33.9 | 34.3 | 31.6 | 32.8 | 32.0 | 33.2 | 33.6 |
| 12H | 32.3 | 33.5 | 32.8 | 33.9 | 34.3 | 31.6 | 32.8 | 32.0 | 33.1 | 33.6 |
| X=4H Y=2H | 29.7 | 31.1 | 30.1 | 31.4 | 31.8 | 29.5 | 30.9 | 29.9 | 31.2 | 31.6 |
| 3H | 31.7 | 32.9 | 32.1 | 33.3 | 33.7 | 31.4 | 32.6 | 31.8 | 33.0 | 33.4 |
| 4H | 32.5 | 33.6 | 33.0 | 34.0 | 34.5 | 32.1 | 33.2 | 32.6 | 33.6 | 34.1 |
| 6H | 33.1 | 34.0 | 33.6 | 34.5 | 35.0 | 32.6 | 33.5 | 33.1 | 34.0 | 34.5 |
| 8H | 33.3 | 34.2 | 33.8 | 34.6 | 35.1 | 32.7 | 33.6 | 33.1 | 34.0 | 34.5 |
| 12H | 33.4 | 34.2 | 33.9 | 34.7 | 35.2 | 32.7 | 33.5 | 33.2 | 34.0 | 34.4 |
| X=8H Y=4H | 32.8 | 33.6 | 33.2 | 34.1 | 34.6 | 32.4 | 33.3 | 32.9 | 33.8 | 34.3 |
| 6H | 33.4 | 34.2 | 33.9 | 34.7 | 35.2 | 33.0 | 33.7 | 33.5 | 34.2 | 34.7 |
| 8H | 33.7 | 34.3 | 34.2 | 34.8 | 35.3 | 33.1 | 33.8 | 33.7 | 34.3 | 34.8 |
| 12H | 33.9 | 34.4 | 34.4 | 34.9 | 35.5 | 33.2 | 33.8 | 33.7 | 34.3 | 34.8 |
| X=12H Y=4H | 32.8 | 33.6 | 33.3 | 34.1 | 34.5 | 32.5 | 33.3 | 33.0 | 33.8 | 34.2 |
| 6H | 33.5 | 34.1 | 34.0 | 34.6 | 35.2 | 33.1 | 33.7 | 33.6 | 34.2 | 34.7 |
| 8H | 33.7 | 34.3 | 34.3 | 34.8 | 35.4 | 33.2 | 33.8 | 33.8 | 34.3 | 34.9 |

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0

Test Lab:

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:

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 | 0.59 | 0.67 | 0.75 | 0.80 | 0.87 | 0.92 | 0.96 | 1.00 | 1.03 |
| | 0.30 | | 0.51 | 0.59 | 0.67 | 0.73 | 0.81 | 0.87 | 0.91 | 0.96 | 1.00 |
| | 0.20 | | 0.45 | 0.53 | 0.62 | 0.68 | 0.76 | 0.82 | 0.86 | 0.92 | 0.97 |
| 0.50 | 0.50 | 0.20 | 0.57 | 0.65 | 0.72 | 0.77 | 0.84 | 0.89 | 0.92 | 0.96 | 0.99 |
| | 0.30 | | 0.50 | 0.58 | 0.66 | 0.71 | 0.79 | 0.84 | 0.88 | 0.93 | 0.96 |
| | 0.20 | | 0.45 | 0.53 | 0.61 | 0.66 | 0.74 | 0.80 | 0.84 | 0.90 | 0.93 |
| 0.30 | 0.50 | 0.20 | 0.55 | 0.63 | 0.70 | 0.75 | 0.81 | 0.85 | 0.88 | 0.92 | 0.95 |
| | 0.30 | | 0.49 | 0.57 | 0.64 | 0.69 | 0.77 | 0.81 | 0.85 | 0.90 | 0.93 |
| | 0.20 | | 0.45 | 0.52 | 0.60 | 0.65 | 0.73 | 0.78 | 0.82 | 0.87 | 0.90 |
| 0.00 | 0.00 | 0.00 | 0.42 | 0.50 | 0.57 | 0.62 | 0.69 | 0.74 | 0.78 | 0.82 | 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 | | | | | | | | | | | |

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 | 0.82 | 0.69 | 0.60 | 0.48 | 0.40 | 0.34 | 0.27 | 0.22 |
| | 0.30 | | 0.81 | 0.70 | 0.61 | 0.54 | 0.44 | 0.37 | 0.32 | 0.25 | 0.21 |
| | 0.20 | | 0.69 | 0.61 | 0.54 | 0.48 | 0.40 | 0.34 | 0.30 | 0.24 | 0.20 |
| 0.50 | 0.50 | 0.20 | 0.93 | 0.79 | 0.67 | 0.58 | 0.46 | 0.42 | 0.33 | 0.25 | 0.21 |
| | 0.30 | | 0.79 | 0.68 | 0.59 | 0.52 | 0.42 | 0.35 | 0.31 | 0.24 | 0.20 |
| | 0.20 | | 0.68 | 0.60 | 0.53 | 0.47 | 0.39 | 0.33 | 0.29 | 0.23 | 0.19 |
| 0.30 | 0.50 | 0.20 | 0.90 | 0.76 | 0.64 | 0.55 | 0.44 | 0.36 | 0.31 | 0.24 | 0.20 |
| | 0.30 | | 0.77 | 0.67 | 0.57 | 0.50 | 0.41 | 0.34 | 0.29 | 0.23 | 0.19 |
| | 0.20 | | 0.68 | 0.60 | 0.52 | 0.46 | 0.38 | 0.32 | 0.28 | 0.22 | 0.18 |
| 0.00 | 0.00 | 0.00 | 0.57 | 0.50 | 0.42 | 0.37 | 0.30 | 0.25 | 0.22 | 0.17 | 0.14 |
| <p>Rating: 1W 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 | 0.10 | 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 | 0.10 | 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 | 0.21 |
| | 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 |
| Rating: 1W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 | | | | | | | | | | | |