

Report No.: 20230921

Test Time: 2023/9/25 17:15

Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Nano Pivot

Luminaire Description: Nano pivot rgbw4000k 9.75 - Green only

Lamp Catalog: Optic BA 45 degree

Luminous Width (mm): 28

Voltage: 24.0 V

Power: 9.06 W

Luminous Length (mm): 1000

Luminous Height (mm): 36

Current: 0.378 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 383.1 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H78.8,H44.4

Vertical Diffuse Angle(10%,50%): V80.3,V38.3

Luminaire Efficacy Rating (LER): 42

Max. Intensity: 622.22 cd

Total Rated Lamp Lumens: 383.1 lm

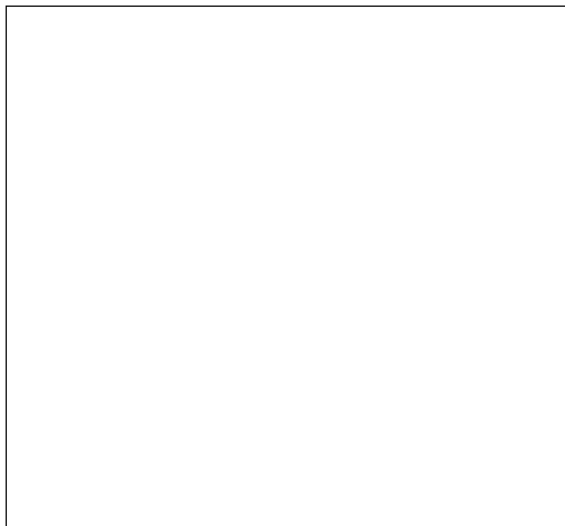
Efficiency: 100%

Upward Ratio: 2%

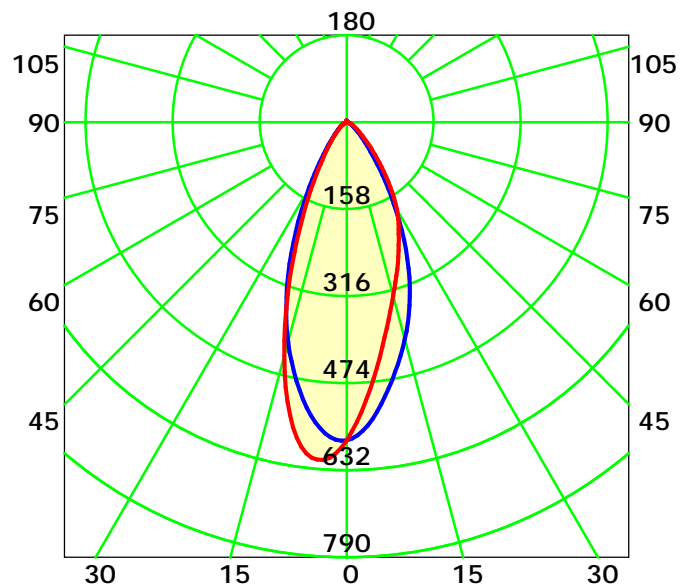
Central Intensity: 577.88 cd

Pos of Max. Intensity: H240 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 41.3° Unit: cd

— C0-C180 — C90-C270

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

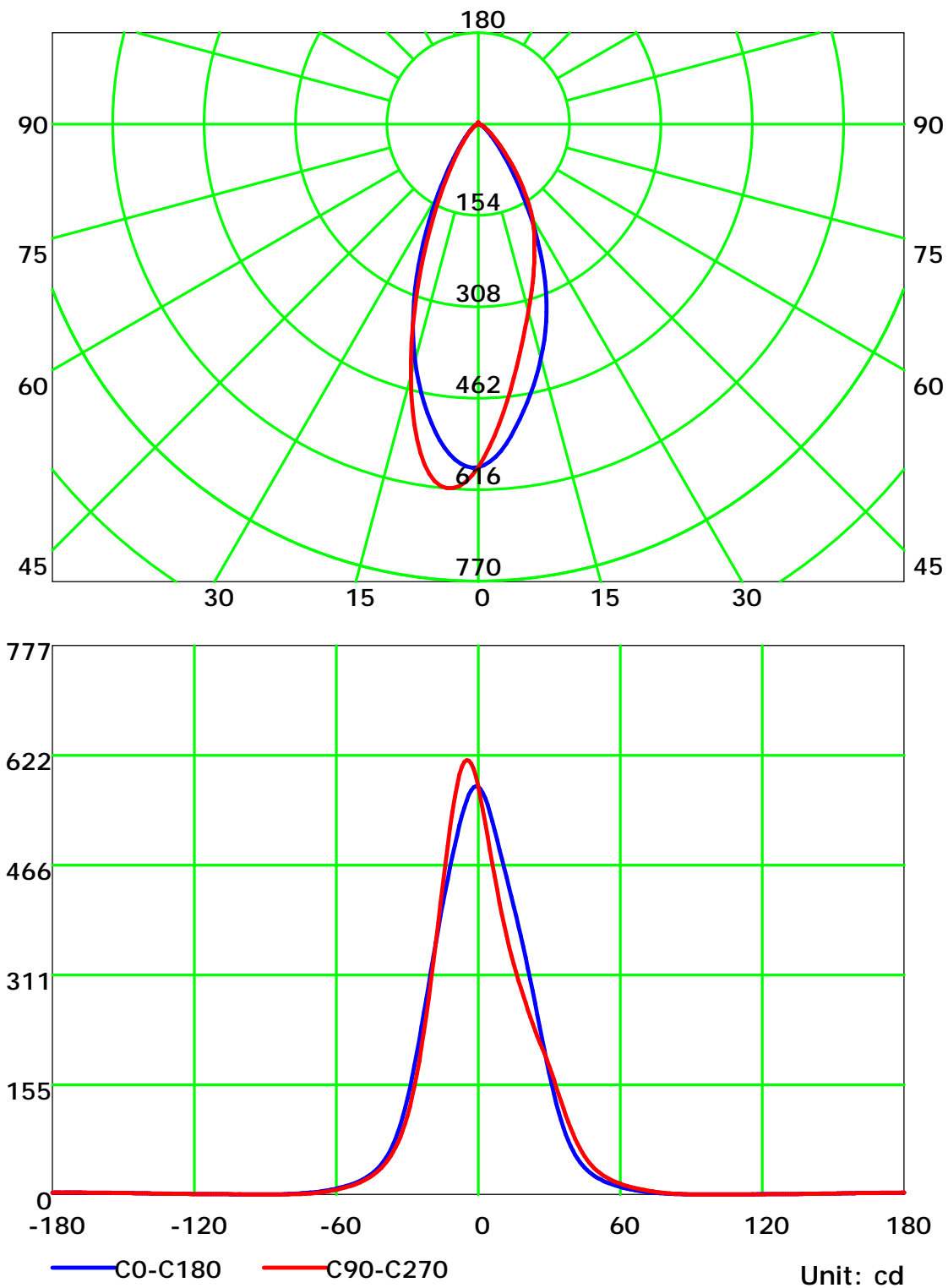
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

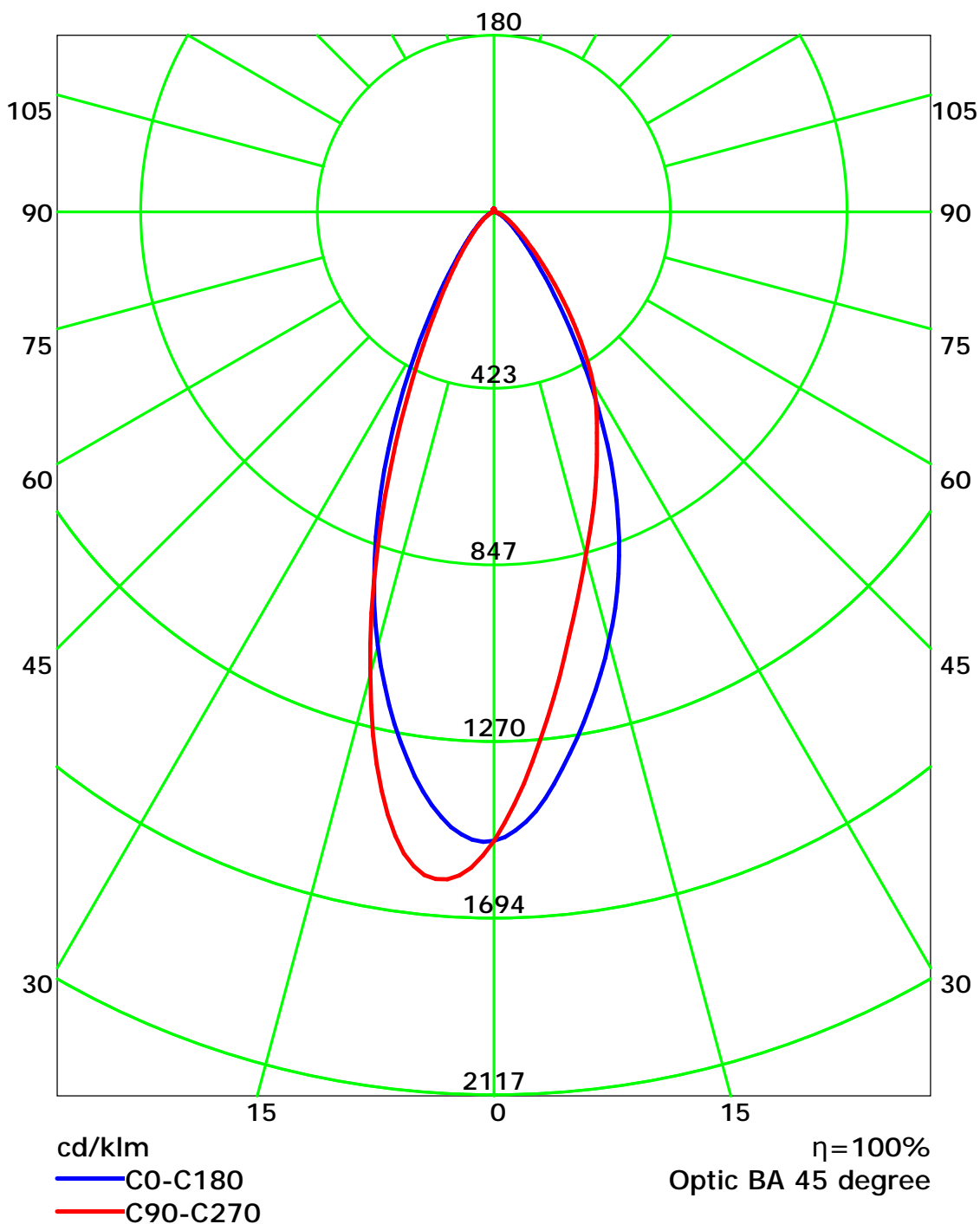
Luminous Intensity Distribution Curve



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:

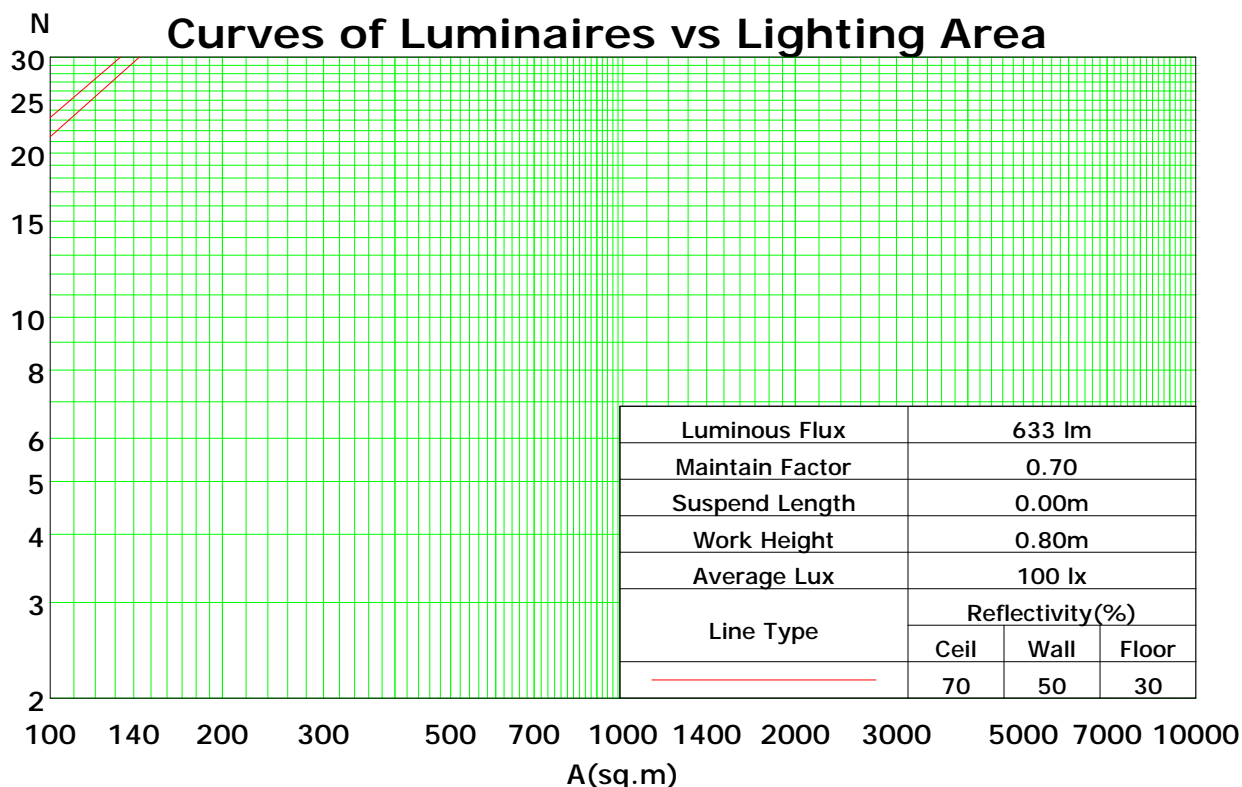
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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 | 113 | 110 | 107 | 105 | 110 | 107 | 105 | 103 | 103 | 101 | 99 | 99 | 97 | 96 | 95 | 94 | 93 | 91 |
| 2 | 107 | 101 | 97 | 94 | 104 | 100 | 96 | 92 | 96 | 93 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 85 | 82 | 79 | 78 |
| 4 | 96 | 88 | 82 | 78 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 |
| 5 | 91 | 82 | 76 | 72 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 70 | 75 | 72 | 69 | 67 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 70 | 66 | 74 | 69 | 66 | 73 | 68 | 65 | 71 | 67 | 64 | 63 |
| 7 | 82 | 73 | 66 | 62 | 81 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 |
| 8 | 78 | 69 | 62 | 58 | 77 | 68 | 62 | 58 | 67 | 61 | 58 | 65 | 61 | 57 | 64 | 60 | 57 | 56 |
| 9 | 75 | 65 | 59 | 55 | 73 | 64 | 59 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 52 |
| 10 | 71 | 62 | 56 | 52 | 70 | 61 | 55 | 52 | 60 | 55 | 51 | 59 | 55 | 51 | 58 | 54 | 51 | 50 |

Spacing Criteria (0-180): 0.69

Spacing Criteria (90-270): 0.63

Spacing Criteria (Diagonal): 0.70



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

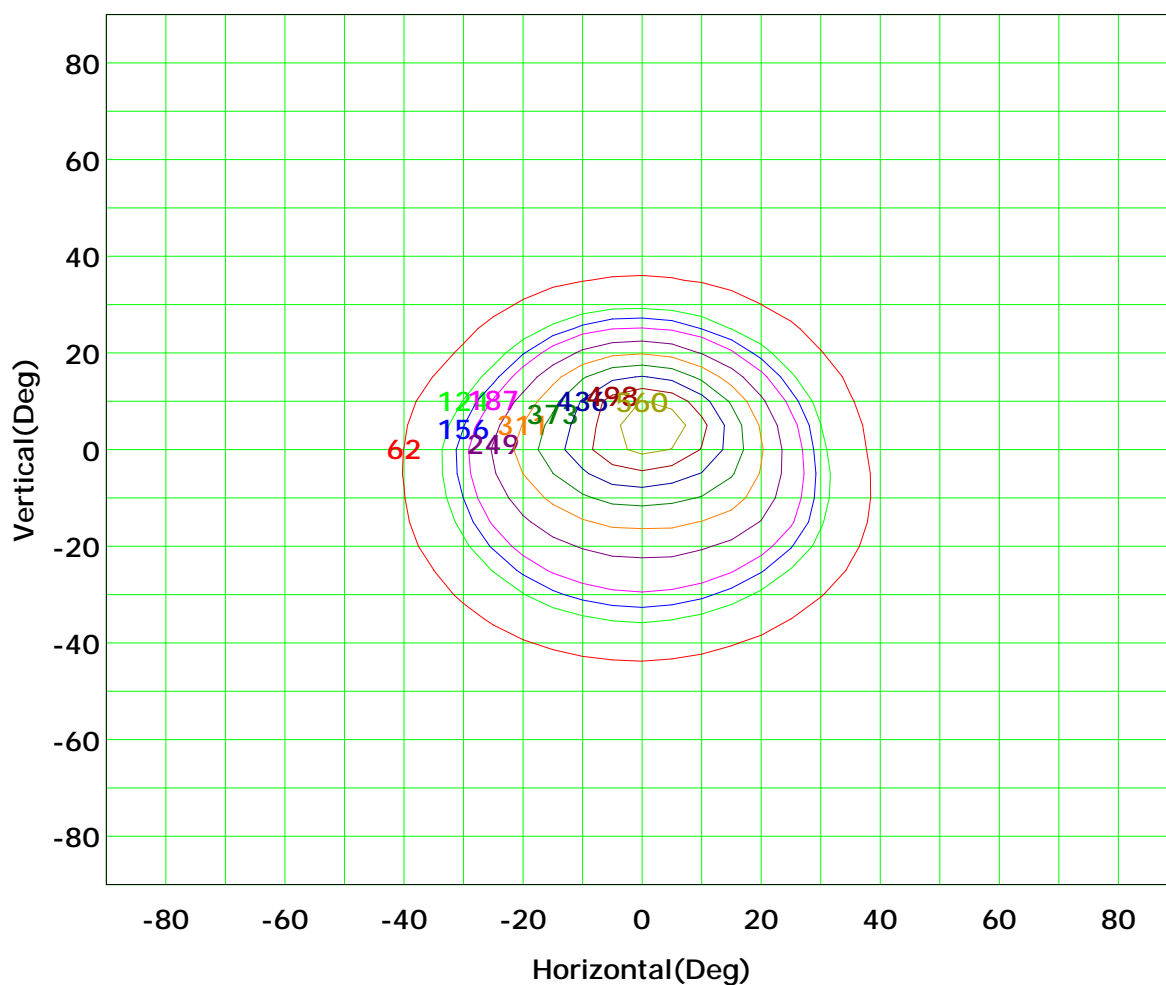
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



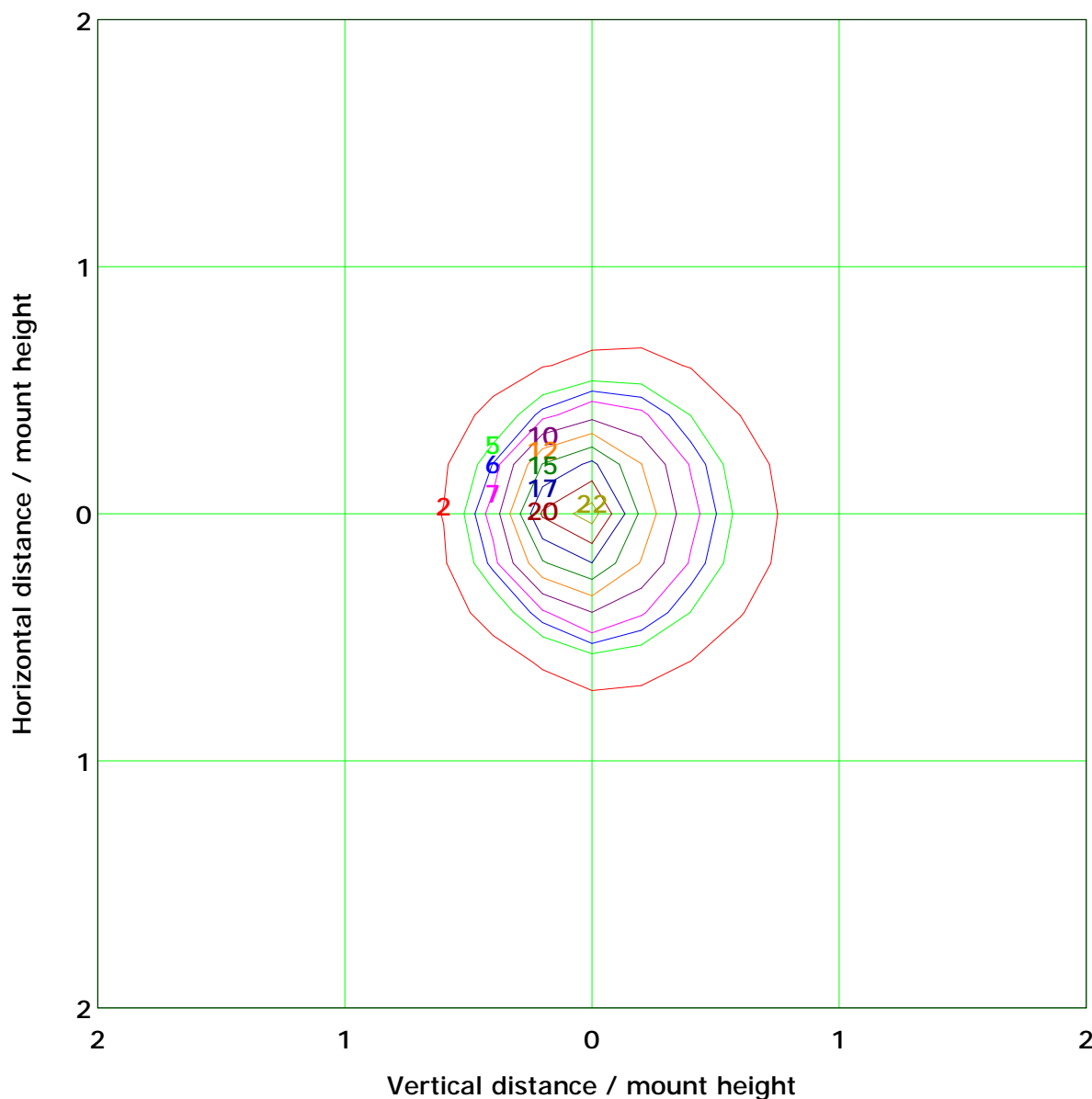
I_{max} (100%): 622 cd

| | |
|----------------|----------------|
| (10%): 62 cd | (20%): 124 cd |
| (25%): 156 cd | (30%): 187 cd |
| (40%): 249 cd | (50%): 311 cd |
| (60%): 373 cd | (70%): 436 cd |
| (80%): 498 cd | (90%): 560 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%): 24.7 lx | |
| (10%): 2.5 lx | (20%): 4.9 lx |
| (25%): 6.2 lx | (30%): 7.4 lx |
| (40%): 9.9 lx | (50%): 12.4 lx |
| (60%): 14.8 lx | (70%): 17.3 lx |
| (80%): 19.8 lx | (90%): 22.2 lx |

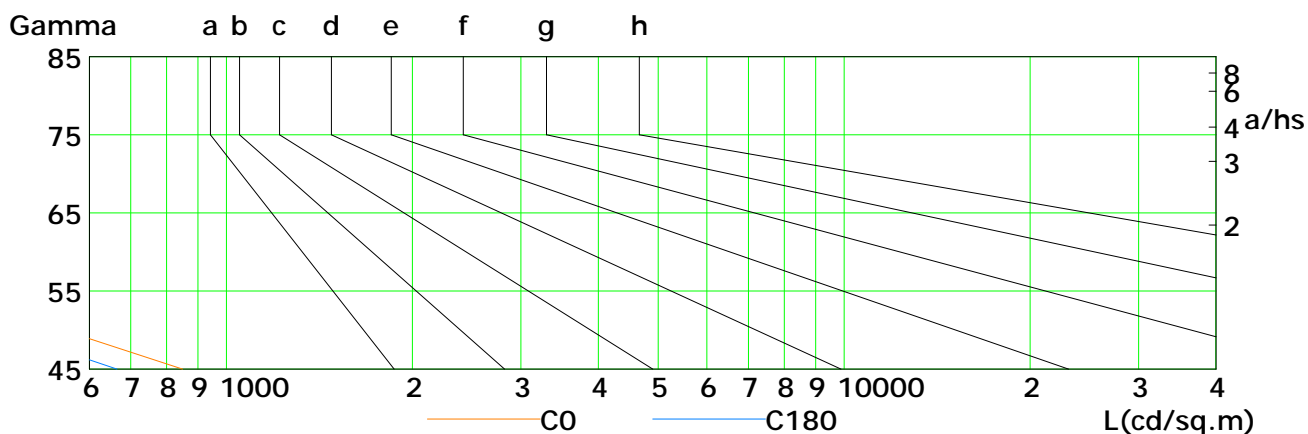
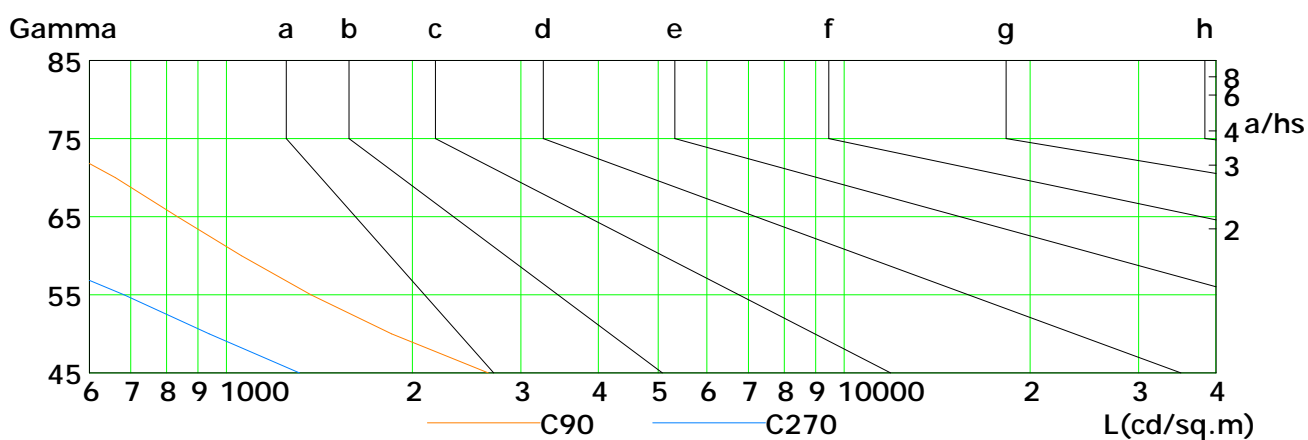
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

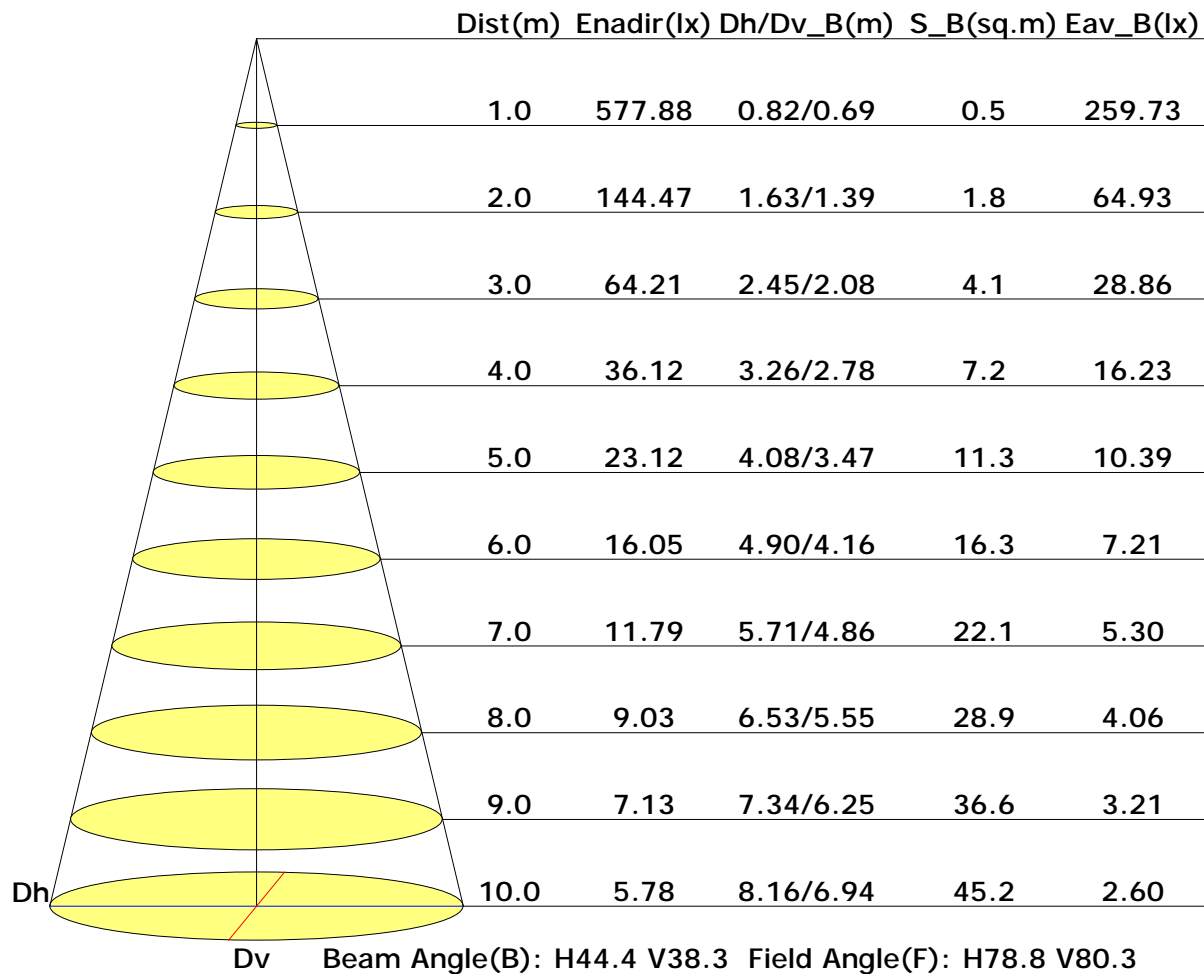


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|------|-----|-----|-----|-----|-----|
| C0 | 849 | 544 | 364 | 247 | 165 | 104 | 68 | 41 | 21 |
| C90 | 2656 | 1851 | 1370 | 1058 | 833 | 661 | 507 | 388 | 337 |
| C180 | 665 | 435 | 294 | 194 | 123 | 78 | 49 | 29 | 17 |
| C270 | 1313 | 938 | 683 | 484 | 325 | 205 | 137 | 114 | 218 |

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

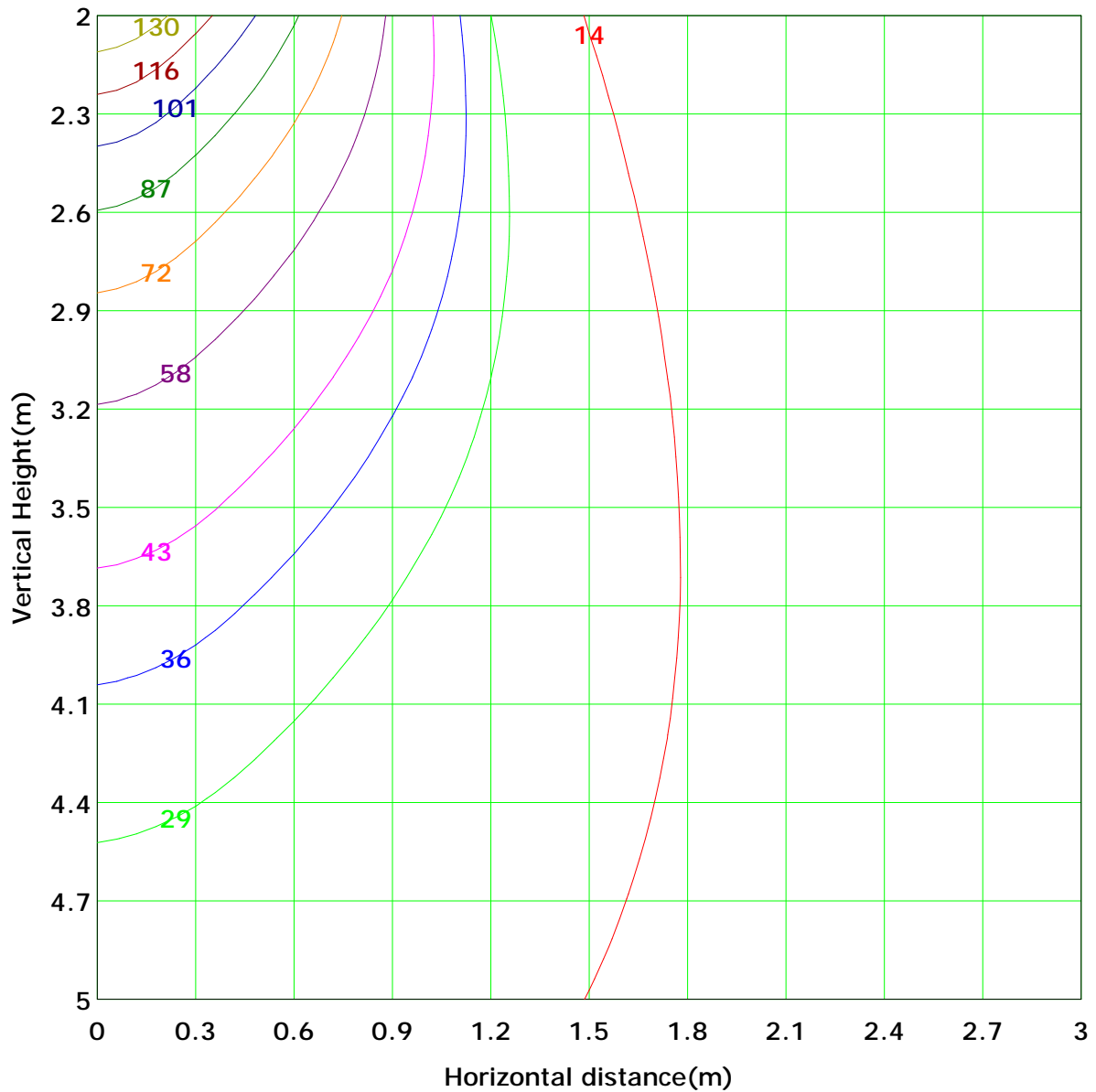


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



Vertical IsoLux Plot



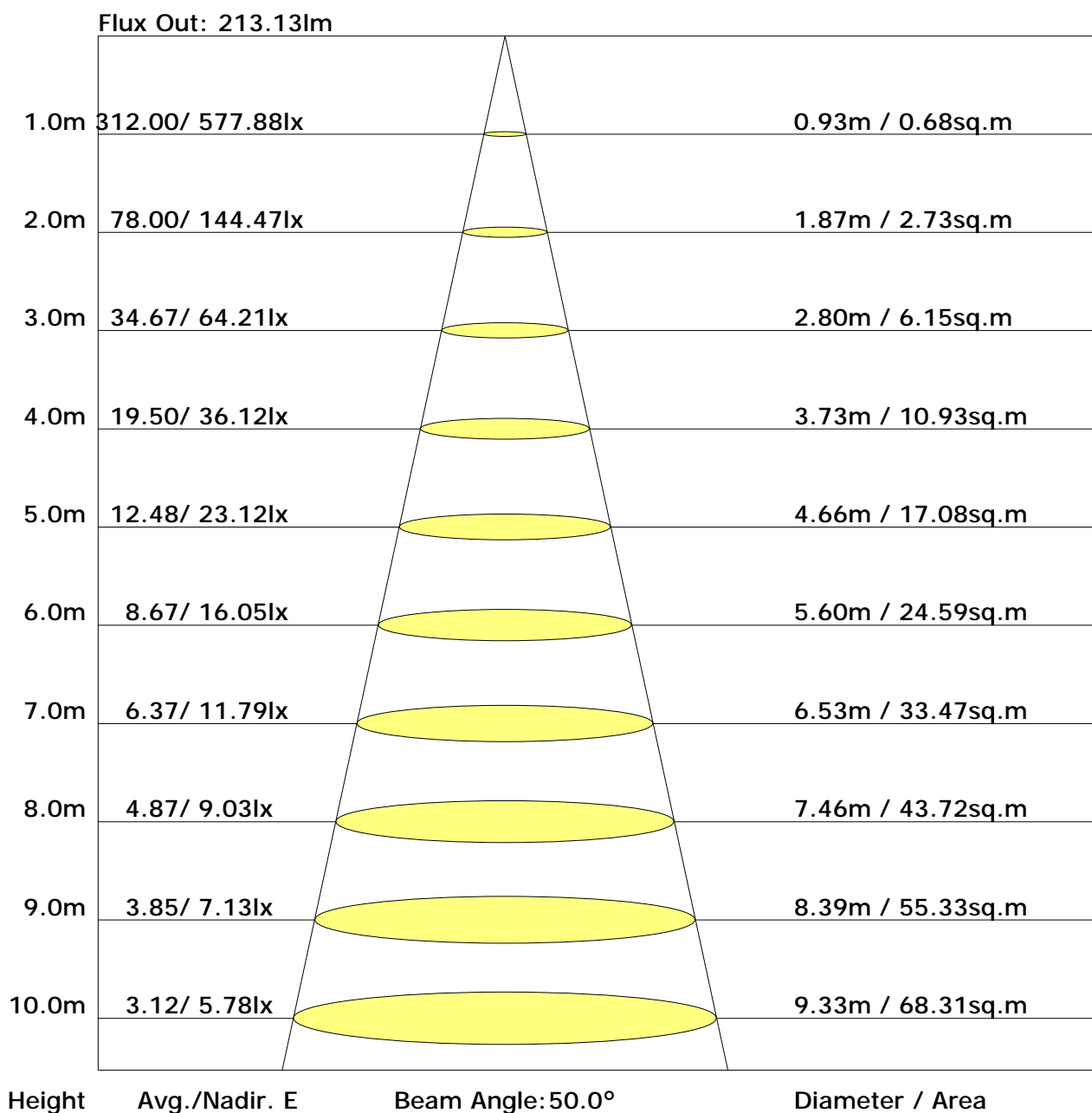
| | | |
|------------------|------------------|-------------------|
| Lowest(m): 2.0m | Highest(m): 5.0m | Max Lux: 144.5 lx |
| (10%): 14.4 lx | (20%): 28.9 lx | |
| (25%): 36.1 lx | (30%): 43.3 lx | |
| (40%): 57.8 lx | (50%): 72.2 lx | |
| (60%): 86.7 lx | (70%): 101.1 lx | |
| (80%): 115.6 lx | (90%): 130.0 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:

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:
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 | 8.4 | 9.4 | 8.8 | 9.8 | 10.2 | 8.6 | 9.7 | 9.0 | 10.0 | 10.4 |
| 3H | 9.1 | 10.0 | 9.5 | 10.4 | 10.8 | 9.2 | 10.1 | 9.6 | 10.5 | 10.9 |
| 4H | 9.3 | 10.1 | 9.7 | 10.5 | 11.0 | 9.3 | 10.1 | 9.7 | 10.5 | 11.0 |
| 6H | 9.4 | 10.1 | 9.8 | 10.6 | 11.0 | 9.3 | 10.1 | 9.8 | 10.5 | 10.9 |
| 8H | 9.4 | 10.1 | 9.9 | 10.6 | 11.0 | 9.3 | 10.0 | 9.7 | 10.4 | 10.9 |
| 12H | 9.4 | 10.1 | 9.9 | 10.5 | 11.0 | 9.2 | 9.9 | 9.7 | 10.4 | 10.8 |
| X=4H Y=2H | 8.4 | 9.3 | 8.9 | 9.7 | 10.1 | 8.7 | 9.6 | 9.2 | 10.0 | 10.4 |
| 3H | 9.2 | 9.9 | 9.6 | 10.3 | 10.8 | 9.4 | 10.1 | 9.9 | 10.6 | 11.0 |
| 4H | 9.4 | 10.0 | 9.9 | 10.5 | 11.0 | 9.6 | 10.2 | 10.1 | 10.7 | 11.2 |
| 6H | 9.5 | 10.1 | 10.0 | 10.6 | 11.1 | 9.6 | 10.2 | 10.1 | 10.7 | 11.2 |
| 8H | 9.6 | 10.1 | 10.1 | 10.5 | 11.1 | 9.6 | 10.1 | 10.1 | 10.6 | 11.1 |
| 12H | 9.6 | 10.0 | 10.1 | 10.5 | 11.1 | 9.6 | 10.0 | 10.1 | 10.5 | 11.1 |
| X=8H Y=4H | 9.3 | 9.8 | 9.8 | 10.3 | 10.8 | 9.5 | 10.0 | 10.0 | 10.5 | 11.0 |
| 6H | 9.4 | 9.9 | 10.0 | 10.4 | 10.9 | 9.6 | 10.0 | 10.1 | 10.5 | 11.1 |
| 8H | 9.5 | 9.9 | 10.1 | 10.4 | 11.0 | 9.6 | 10.0 | 10.2 | 10.5 | 11.1 |
| 12H | 9.6 | 9.9 | 10.1 | 10.4 | 11.0 | 9.6 | 9.9 | 10.1 | 10.4 | 11.1 |
| X=12H Y=4H | 9.2 | 9.7 | 9.8 | 10.2 | 10.7 | 9.5 | 9.9 | 10.0 | 10.4 | 11.0 |
| 6H | 9.4 | 9.8 | 10.0 | 10.3 | 10.9 | 9.6 | 9.9 | 10.1 | 10.4 | 11.0 |
| 8H | 9.5 | 9.8 | 10.0 | 10.3 | 10.9 | 9.6 | 9.9 | 10.1 | 10.4 | 11.0 |

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 = 0.75 | | | | | | | | |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | 0.80 | 0.87 | 0.92 | 0.96 | 1.00 | 1.03 | 1.05 | 1.08 | 1.09 |
| | 0.30 | | 0.75 | 0.83 | 0.88 | 0.91 | 0.96 | 1.00 | 1.02 | 1.05 | 1.07 |
| | 0.20 | | 0.72 | 0.79 | 0.84 | 0.88 | 0.93 | 0.97 | 1.00 | 1.03 | 1.05 |
| 0.50 | 0.50 | 0.20 | 0.79 | 0.85 | 0.90 | 0.93 | 0.97 | 1.00 | 1.01 | 1.04 | 1.05 |
| | 0.30 | | 0.74 | 0.81 | 0.86 | 0.89 | 0.94 | 0.97 | 0.99 | 1.02 | 1.03 |
| | 0.20 | | 0.71 | 0.78 | 0.83 | 0.86 | 0.91 | 0.95 | 0.97 | 1.00 | 1.02 |
| 0.30 | 0.50 | 0.20 | 0.77 | 0.84 | 0.88 | 0.90 | 0.94 | 0.96 | 0.98 | 1.00 | 1.01 |
| | 0.30 | | 0.74 | 0.80 | 0.84 | 0.87 | 0.92 | 0.94 | 0.96 | 0.98 | 1.00 |
| | 0.20 | | 0.71 | 0.77 | 0.82 | 0.85 | 0.89 | 0.92 | 0.94 | 0.97 | 0.98 |
| 0.00 | 0.00 | 0.00 | 0.69 | 0.75 | 0.79 | 0.82 | 0.86 | 0.88 | 0.90 | 0.92 | 0.93 |
| Rating:9W 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 = 0.75 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | 0.64 | 0.52 | 0.43 | 0.37 | 0.29 | 0.24 | 0.21 | 0.16 | 0.13 |
| | 0.30 | | 0.53 | 0.44 | 0.38 | 0.33 | 0.27 | 0.22 | 0.19 | 0.15 | 0.12 |
| | 0.20 | | 0.46 | 0.39 | 0.34 | 0.30 | 0.24 | 0.21 | 0.18 | 0.14 | 0.12 |
| 0.50 | 0.50 | 0.20 | 0.61 | 0.49 | 0.41 | 0.35 | 0.27 | 0.26 | 0.19 | 0.15 | 0.12 |
| | 0.30 | | 0.51 | 0.42 | 0.36 | 0.31 | 0.25 | 0.21 | 0.18 | 0.14 | 0.11 |
| | 0.20 | | 0.45 | 0.37 | 0.32 | 0.28 | 0.23 | 0.19 | 0.17 | 0.13 | 0.11 |
| 0.30 | 0.50 | 0.20 | 0.58 | 0.46 | 0.38 | 0.33 | 0.25 | 0.21 | 0.17 | 0.13 | 0.11 |
| | 0.30 | | 0.50 | 0.40 | 0.34 | 0.29 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 |
| | 0.20 | | 0.43 | 0.36 | 0.31 | 0.27 | 0.22 | 0.18 | 0.16 | 0.12 | 0.10 |
| 0.00 | 0.00 | 0.00 | 0.30 | 0.24 | 0.20 | 0.17 | 0.13 | 0.11 | 0.09 | 0.07 | 0.06 |
| Rating: 9W 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(Ceiling cavity)

| Utilisation Factors UF(C) | | | SHR NOM = 0.75 | | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.22 | 0.22 | 0.23 | |
| | 0.30 | | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.21 | 0.21 | |
| | 0.20 | | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.19 | 0.20 | |
| 0.50 | 0.50 | 0.20 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.22 | |
| | 0.30 | | 0.11 | 0.12 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | |
| | 0.20 | | 0.08 | 0.10 | 0.11 | 0.12 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | |
| 0.30 | 0.50 | 0.20 | 0.14 | 0.16 | 0.17 | 0.17 | 0.19 | 0.19 | 0.20 | 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 | | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | |
| 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| <p>Rating:9W 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> | | | | | | | | | | | | |

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 570.6 | 0.5 | 0.5 | 0.14 | 0.14 |
| 1.0-2.0 | 568.3 | 1.6 | 2.2 | 0.43 | 0.57 |
| 2.0-3.0 | 563.9 | 2.7 | 4.9 | 0.70 | 1.27 |
| 3.0-4.0 | 557.5 | 3.7 | 8.6 | 0.97 | 2.25 |
| 4.0-5.0 | 549.3 | 4.7 | 13.3 | 1.23 | 3.48 |
| 5.0-6.0 | 539.5 | 5.7 | 19.0 | 1.48 | 4.96 |
| 6.0-7.0 | 528.2 | 6.6 | 25.6 | 1.71 | 6.67 |
| 7.0-8.0 | 515.6 | 7.4 | 32.9 | 1.93 | 8.60 |
| 8.0-9.0 | 501.8 | 8.1 | 41.1 | 2.12 | 10.72 |
| 9.0-10.0 | 487.1 | 8.8 | 49.9 | 2.30 | 13.02 |
| 10.0-11.0 | 471.7 | 9.4 | 59.3 | 2.46 | 15.49 |
| 11.0-12.0 | 455.3 | 10.0 | 69.3 | 2.60 | 18.08 |
| 12.0-13.0 | 438.3 | 10.4 | 79.7 | 2.72 | 20.80 |
| 13.0-14.0 | 421.1 | 10.8 | 90.5 | 2.81 | 23.62 |
| 14.0-15.0 | 403.5 | 11.1 | 101.5 | 2.89 | 26.51 |
| 15.0-16.0 | 385.4 | 11.3 | 112.8 | 2.95 | 29.46 |
| 16.0-17.0 | 367.5 | 11.4 | 124.3 | 2.99 | 32.44 |
| 17.0-18.0 | 349.5 | 11.5 | 135.8 | 3.01 | 35.45 |
| 18.0-19.0 | 331.2 | 11.5 | 147.3 | 3.01 | 38.46 |
| 19.0-20.0 | 313.0 | 11.5 | 158.8 | 2.99 | 41.45 |
| 20.0-21.0 | 295.1 | 11.3 | 170.1 | 2.96 | 44.41 |
| 21.0-22.0 | 277.3 | 11.1 | 181.3 | 2.91 | 47.32 |
| 22.0-23.0 | 260.1 | 10.9 | 192.2 | 2.85 | 50.17 |
| 23.0-24.0 | 243.2 | 10.6 | 202.8 | 2.78 | 52.95 |
| 24.0-25.0 | 226.9 | 10.3 | 213.1 | 2.69 | 55.64 |
| 25.0-26.0 | 211.4 | 10.0 | 223.1 | 2.60 | 58.25 |
| 26.0-27.0 | 196.5 | 9.6 | 232.7 | 2.51 | 60.76 |
| 27.0-28.0 | 182.2 | 9.2 | 241.9 | 2.41 | 63.16 |
| 28.0-29.0 | 168.5 | 8.8 | 250.8 | 2.30 | 65.47 |
| 29.0-30.0 | 155.6 | 8.4 | 259.2 | 2.19 | 67.66 |
| 30.0-31.0 | 143.2 | 8.0 | 267.1 | 2.08 | 69.74 |
| 31.0-32.0 | 131.4 | 7.5 | 274.7 | 1.97 | 71.71 |
| 32.0-33.0 | 120.4 | 7.1 | 281.8 | 1.85 | 73.56 |
| 33.0-34.0 | 110.1 | 6.7 | 288.4 | 1.74 | 75.30 |
| 34.0-35.0 | 100.5 | 6.2 | 294.7 | 1.63 | 76.92 |
| 35.0-36.0 | 91.6 | 5.8 | 300.5 | 1.52 | 78.45 |

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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 83.5 | 5.4 | 305.9 | 1.42 | 79.87 |
| 37.0-38.0 | 75.9 | 5.1 | 311.0 | 1.32 | 81.19 |
| 38.0-39.0 | 69.1 | 4.7 | 315.7 | 1.23 | 82.42 |
| 39.0-40.0 | 62.8 | 4.4 | 320.1 | 1.14 | 83.57 |
| 40.0-41.0 | 57.1 | 4.1 | 324.2 | 1.06 | 84.63 |
| 41.0-42.0 | 52.0 | 3.8 | 327.9 | 0.99 | 85.62 |
| 42.0-43.0 | 47.3 | 3.5 | 331.5 | 0.92 | 86.53 |
| 43.0-44.0 | 43.1 | 3.3 | 334.7 | 0.85 | 87.38 |
| 44.0-45.0 | 39.3 | 3.0 | 337.7 | 0.79 | 88.17 |
| 45.0-46.0 | 35.9 | 2.8 | 340.5 | 0.73 | 88.90 |
| 46.0-47.0 | 32.8 | 2.6 | 343.1 | 0.68 | 89.58 |
| 47.0-48.0 | 30.0 | 2.4 | 345.6 | 0.63 | 90.22 |
| 48.0-49.0 | 27.6 | 2.3 | 347.8 | 0.59 | 90.81 |
| 49.0-50.0 | 25.3 | 2.1 | 350.0 | 0.55 | 91.36 |
| 50.0-51.0 | 23.3 | 2.0 | 351.9 | 0.51 | 91.87 |
| 51.0-52.0 | 21.4 | 1.8 | 353.8 | 0.48 | 92.35 |
| 52.0-53.0 | 19.7 | 1.7 | 355.5 | 0.45 | 92.80 |
| 53.0-54.0 | 18.1 | 1.6 | 357.1 | 0.42 | 93.22 |
| 54.0-55.0 | 16.8 | 1.5 | 358.6 | 0.39 | 93.61 |
| 55.0-56.0 | 15.4 | 1.4 | 360.0 | 0.36 | 93.97 |
| 56.0-57.0 | 14.2 | 1.3 | 361.3 | 0.34 | 94.31 |
| 57.0-58.0 | 13.1 | 1.2 | 362.5 | 0.32 | 94.63 |
| 58.0-59.0 | 12.1 | 1.1 | 363.6 | 0.30 | 94.92 |
| 59.0-60.0 | 11.1 | 1.1 | 364.7 | 0.27 | 95.20 |
| 60.0-61.0 | 10.2 | 1.0 | 365.6 | 0.25 | 95.45 |
| 61.0-62.0 | 9.4 | 0.9 | 366.5 | 0.24 | 95.69 |
| 62.0-63.0 | 8.6 | 0.8 | 367.4 | 0.22 | 95.91 |
| 63.0-64.0 | 7.8 | 0.8 | 368.1 | 0.20 | 96.11 |
| 64.0-65.0 | 7.2 | 0.7 | 368.9 | 0.18 | 96.29 |
| 65.0-66.0 | 6.5 | 0.7 | 369.5 | 0.17 | 96.46 |
| 66.0-67.0 | 5.9 | 0.6 | 370.1 | 0.16 | 96.62 |
| 67.0-68.0 | 5.4 | 0.5 | 370.6 | 0.14 | 96.76 |
| 68.0-69.0 | 4.9 | 0.5 | 371.1 | 0.13 | 96.89 |
| 69.0-70.0 | 4.4 | 0.5 | 371.6 | 0.12 | 97.01 |
| 70.0-71.0 | 4.0 | 0.4 | 372.0 | 0.11 | 97.12 |
| 71.0-72.0 | 3.6 | 0.4 | 372.4 | 0.10 | 97.21 |

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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 3.2 | 0.3 | 372.7 | 0.09 | 97.30 |
| 73.0-74.0 | 2.9 | 0.3 | 373.0 | 0.08 | 97.38 |
| 74.0-75.0 | 2.6 | 0.3 | 373.3 | 0.07 | 97.45 |
| 75.0-76.0 | 2.3 | 0.2 | 373.5 | 0.06 | 97.51 |
| 76.0-77.0 | 2.0 | 0.2 | 373.7 | 0.06 | 97.57 |
| 77.0-78.0 | 1.8 | 0.2 | 373.9 | 0.05 | 97.62 |
| 78.0-79.0 | 1.6 | 0.2 | 374.1 | 0.04 | 97.66 |
| 79.0-80.0 | 1.4 | 0.2 | 374.3 | 0.04 | 97.70 |
| 80.0-81.0 | 1.3 | 0.1 | 374.4 | 0.04 | 97.74 |
| 81.0-82.0 | 1.2 | 0.1 | 374.5 | 0.03 | 97.77 |
| 82.0-83.0 | 1.0 | 0.1 | 374.6 | 0.03 | 97.80 |
| 83.0-84.0 | 0.9 | 0.1 | 374.7 | 0.03 | 97.83 |
| 84.0-85.0 | 0.9 | 0.1 | 374.8 | 0.02 | 97.85 |
| 85.0-86.0 | 0.8 | 0.1 | 374.9 | 0.02 | 97.88 |
| 86.0-87.0 | 0.7 | 0.1 | 375.0 | 0.02 | 97.90 |
| 87.0-88.0 | 0.7 | 0.1 | 375.1 | 0.02 | 97.92 |
| 88.0-89.0 | 0.7 | 0.1 | 375.1 | 0.02 | 97.94 |
| 89.0-90.0 | 0.7 | 0.1 | 375.2 | 0.02 | 97.96 |
| 90.0-91.0 | 0.7 | 0.1 | 375.3 | 0.02 | 97.98 |
| 91.0-92.0 | 0.7 | 0.1 | 375.4 | 0.02 | 98.00 |
| 92.0-93.0 | 0.7 | 0.1 | 375.4 | 0.02 | 98.01 |
| 93.0-94.0 | 0.7 | 0.1 | 375.5 | 0.02 | 98.03 |
| 94.0-95.0 | 0.7 | 0.1 | 375.6 | 0.02 | 98.05 |
| 95.0-96.0 | 0.7 | 0.1 | 375.7 | 0.02 | 98.07 |
| 96.0-97.0 | 0.7 | 0.1 | 375.7 | 0.02 | 98.09 |
| 97.0-98.0 | 0.7 | 0.1 | 375.8 | 0.02 | 98.11 |
| 98.0-99.0 | 0.7 | 0.1 | 375.9 | 0.02 | 98.13 |
| 99.0-100.0 | 0.7 | 0.1 | 376.0 | 0.02 | 98.15 |
| 100.0-101.0 | 0.7 | 0.1 | 376.0 | 0.02 | 98.17 |
| 101.0-102.0 | 0.7 | 0.1 | 376.1 | 0.02 | 98.19 |
| 102.0-103.0 | 0.7 | 0.1 | 376.2 | 0.02 | 98.21 |
| 103.0-104.0 | 0.7 | 0.1 | 376.3 | 0.02 | 98.23 |
| 104.0-105.0 | 0.7 | 0.1 | 376.3 | 0.02 | 98.25 |
| 105.0-106.0 | 0.7 | 0.1 | 376.4 | 0.02 | 98.27 |
| 106.0-107.0 | 0.7 | 0.1 | 376.5 | 0.02 | 98.29 |
| 107.0-108.0 | 0.8 | 0.1 | 376.6 | 0.02 | 98.31 |

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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 0.8 | 0.1 | 376.7 | 0.02 | 98.33 |
| 109.0-110.0 | 0.8 | 0.1 | 376.7 | 0.02 | 98.35 |
| 110.0-111.0 | 0.8 | 0.1 | 376.8 | 0.02 | 98.37 |
| 111.0-112.0 | 0.8 | 0.1 | 376.9 | 0.02 | 98.39 |
| 112.0-113.0 | 0.8 | 0.1 | 377.0 | 0.02 | 98.42 |
| 113.0-114.0 | 0.8 | 0.1 | 377.1 | 0.02 | 98.44 |
| 114.0-115.0 | 0.8 | 0.1 | 377.2 | 0.02 | 98.46 |
| 115.0-116.0 | 0.9 | 0.1 | 377.2 | 0.02 | 98.48 |
| 116.0-117.0 | 0.9 | 0.1 | 377.3 | 0.02 | 98.51 |
| 117.0-118.0 | 0.9 | 0.1 | 377.4 | 0.02 | 98.53 |
| 118.0-119.0 | 0.9 | 0.1 | 377.5 | 0.02 | 98.55 |
| 119.0-120.0 | 0.9 | 0.1 | 377.6 | 0.02 | 98.58 |
| 120.0-121.0 | 1.0 | 0.1 | 377.7 | 0.02 | 98.60 |
| 121.0-122.0 | 1.0 | 0.1 | 377.8 | 0.02 | 98.62 |
| 122.0-123.0 | 1.0 | 0.1 | 377.9 | 0.02 | 98.65 |
| 123.0-124.0 | 1.0 | 0.1 | 378.0 | 0.02 | 98.67 |
| 124.0-125.0 | 1.1 | 0.1 | 378.1 | 0.03 | 98.70 |
| 125.0-126.0 | 1.1 | 0.1 | 378.2 | 0.03 | 98.72 |
| 126.0-127.0 | 1.1 | 0.1 | 378.3 | 0.03 | 98.75 |
| 127.0-128.0 | 1.2 | 0.1 | 378.4 | 0.03 | 98.78 |
| 128.0-129.0 | 1.2 | 0.1 | 378.5 | 0.03 | 98.80 |
| 129.0-130.0 | 1.2 | 0.1 | 378.6 | 0.03 | 98.83 |
| 130.0-131.0 | 1.3 | 0.1 | 378.7 | 0.03 | 98.86 |
| 131.0-132.0 | 1.3 | 0.1 | 378.8 | 0.03 | 98.88 |
| 132.0-133.0 | 1.3 | 0.1 | 378.9 | 0.03 | 98.91 |
| 133.0-134.0 | 1.4 | 0.1 | 379.0 | 0.03 | 98.94 |
| 134.0-135.0 | 1.4 | 0.1 | 379.1 | 0.03 | 98.97 |
| 135.0-136.0 | 1.5 | 0.1 | 379.2 | 0.03 | 99.00 |
| 136.0-137.0 | 1.5 | 0.1 | 379.3 | 0.03 | 99.03 |
| 137.0-138.0 | 1.6 | 0.1 | 379.4 | 0.03 | 99.06 |
| 138.0-139.0 | 1.6 | 0.1 | 379.6 | 0.03 | 99.09 |
| 139.0-140.0 | 1.6 | 0.1 | 379.7 | 0.03 | 99.12 |
| 140.0-141.0 | 1.7 | 0.1 | 379.8 | 0.03 | 99.15 |
| 141.0-142.0 | 1.7 | 0.1 | 379.9 | 0.03 | 99.18 |
| 142.0-143.0 | 1.8 | 0.1 | 380.0 | 0.03 | 99.21 |
| 143.0-144.0 | 1.8 | 0.1 | 380.2 | 0.03 | 99.24 |

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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 1.9 | 0.1 | 380.3 | 0.03 | 99.28 |
| 145.0-146.0 | 1.9 | 0.1 | 380.4 | 0.03 | 99.31 |
| 146.0-147.0 | 2.0 | 0.1 | 380.5 | 0.03 | 99.34 |
| 147.0-148.0 | 2.1 | 0.1 | 380.6 | 0.03 | 99.37 |
| 148.0-149.0 | 2.1 | 0.1 | 380.8 | 0.03 | 99.40 |
| 149.0-150.0 | 2.2 | 0.1 | 380.9 | 0.03 | 99.43 |
| 150.0-151.0 | 2.2 | 0.1 | 381.0 | 0.03 | 99.46 |
| 151.0-152.0 | 2.3 | 0.1 | 381.1 | 0.03 | 99.50 |
| 152.0-153.0 | 2.3 | 0.1 | 381.2 | 0.03 | 99.53 |
| 153.0-154.0 | 2.3 | 0.1 | 381.3 | 0.03 | 99.56 |
| 154.0-155.0 | 2.4 | 0.1 | 381.5 | 0.03 | 99.59 |
| 155.0-156.0 | 2.4 | 0.1 | 381.6 | 0.03 | 99.61 |
| 156.0-157.0 | 2.5 | 0.1 | 381.7 | 0.03 | 99.64 |
| 157.0-158.0 | 2.5 | 0.1 | 381.8 | 0.03 | 99.67 |
| 158.0-159.0 | 2.6 | 0.1 | 381.9 | 0.03 | 99.70 |
| 159.0-160.0 | 2.6 | 0.1 | 382.0 | 0.03 | 99.72 |
| 160.0-161.0 | 2.6 | 0.1 | 382.1 | 0.03 | 99.75 |
| 161.0-162.0 | 2.7 | 0.1 | 382.2 | 0.02 | 99.77 |
| 162.0-163.0 | 2.7 | 0.1 | 382.3 | 0.02 | 99.80 |
| 163.0-164.0 | 2.7 | 0.1 | 382.3 | 0.02 | 99.82 |
| 164.0-165.0 | 2.7 | 0.1 | 382.4 | 0.02 | 99.84 |
| 165.0-166.0 | 2.8 | 0.1 | 382.5 | 0.02 | 99.86 |
| 166.0-167.0 | 2.8 | 0.1 | 382.6 | 0.02 | 99.88 |
| 167.0-168.0 | 2.8 | 0.1 | 382.6 | 0.02 | 99.89 |
| 168.0-169.0 | 2.9 | 0.1 | 382.7 | 0.02 | 99.91 |
| 169.0-170.0 | 2.9 | 0.1 | 382.8 | 0.02 | 99.93 |
| 170.0-171.0 | 2.9 | 0.1 | 382.8 | 0.01 | 99.94 |
| 171.0-172.0 | 2.9 | 0.0 | 382.9 | 0.01 | 99.95 |
| 172.0-173.0 | 2.9 | 0.0 | 382.9 | 0.01 | 99.96 |
| 173.0-174.0 | 3.0 | 0.0 | 382.9 | 0.01 | 99.97 |
| 174.0-175.0 | 3.0 | 0.0 | 383.0 | 0.01 | 99.98 |
| 175.0-176.0 | 3.0 | 0.0 | 383.0 | 0.01 | 99.99 |
| 176.0-177.0 | 3.0 | 0.0 | 383.0 | 0.01 | 99.99 |
| 177.0-178.0 | 3.1 | 0.0 | 383.0 | 0.00 | 100.00 |
| 178.0-179.0 | 3.1 | 0.0 | 383.0 | 0.00 | 100.00 |
| 179.0-180.0 | 3.1 | 0.0 | 383.0 | 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: