

Report No.: 20221130

Test Time: 2022/12/1 11:18

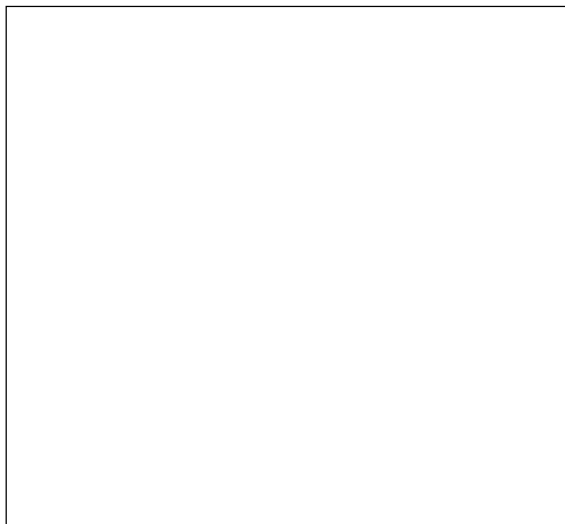
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: Neon Contour Plus
Luminaire Description: Neon Contour Plus VW-Warm only
Lamp Catalog: NLCP4.5VW-Warm only
Luminous Length (mm): 500
Luminous Height (mm): 25
Current: 0.145 A
Power Factor: 1.000
Number of Lamps: 1
Luminous Width (mm): 10
Voltage: 24.0 V
Power: 3.48 W

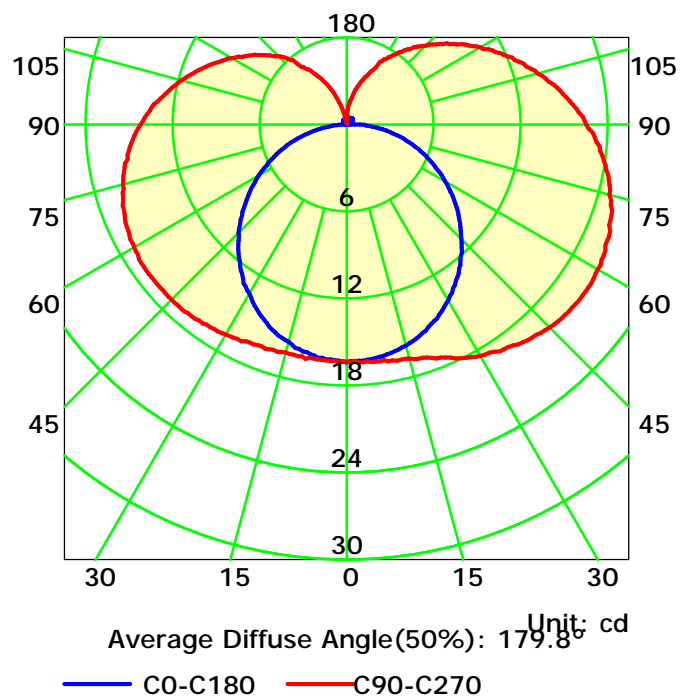
Photometric Results

CIE Class: Semi-Direct
Measurement Flux: 122.1 lm
Downward Ratio: 70%
Horizontal Diffuse Angle(10%,50%): H167.2,H113.5
Vertical Diffuse Angle(10%,50%): V328.9,V246
Luminaire Efficacy Rating (LER): 35
Max. Intensity: 20.61 cd
Total Rated Lamp Lumens: 122.1 lm
Efficiency: 100%
Upward Ratio: 30%
Central Intensity: 16.8 cd
Pos of Max. Intensity: H90 V56

Picture Of Luminaire



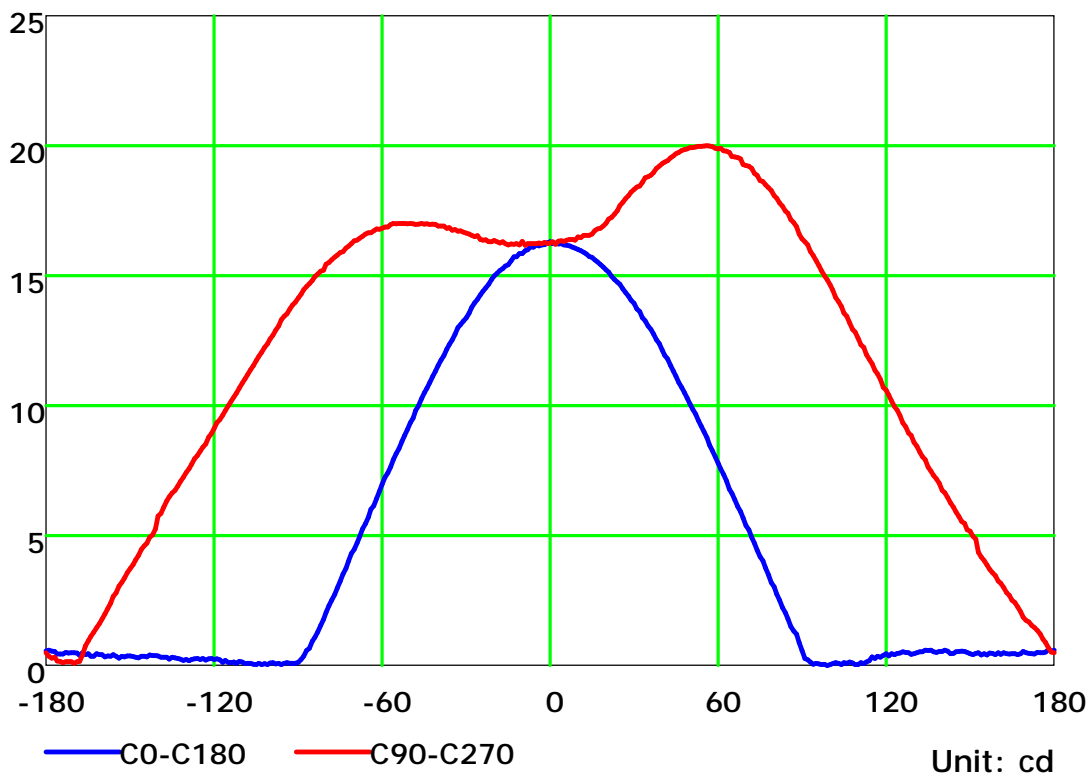
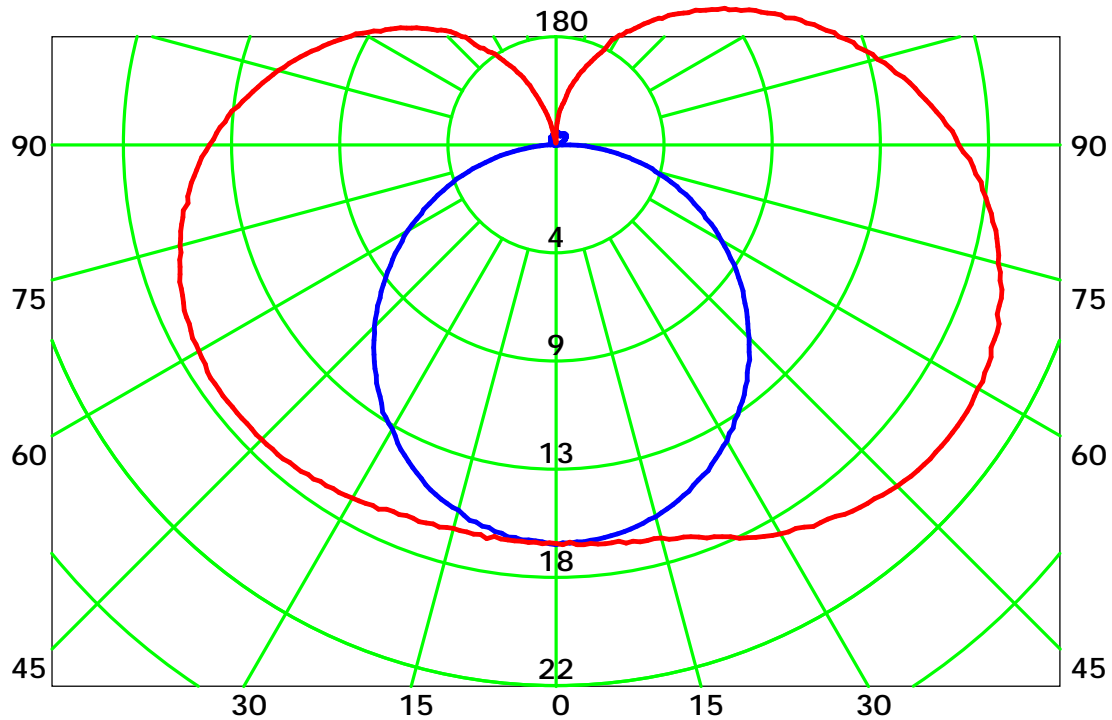
Luminous Intensity Distribution Curve



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:

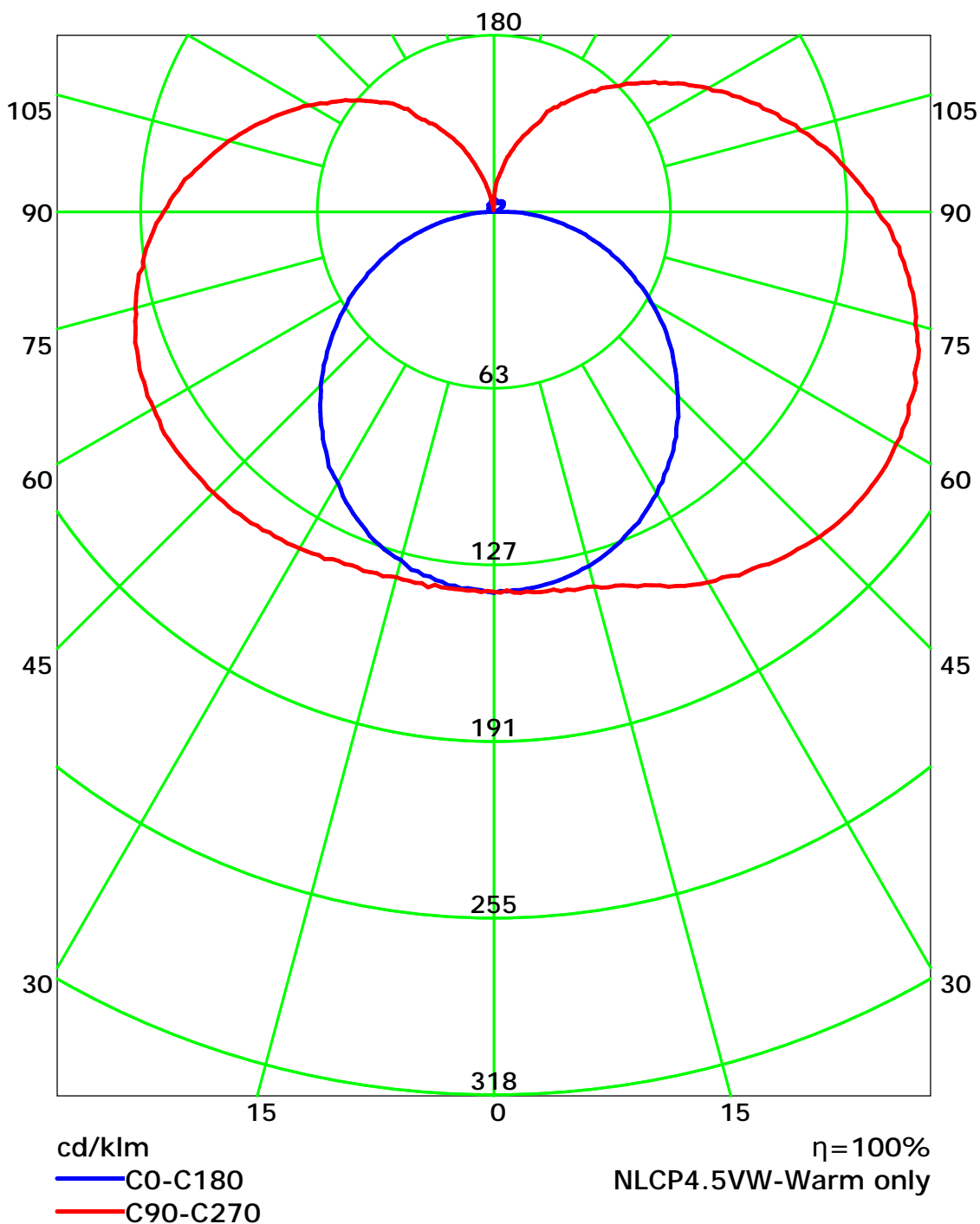
Luminous Intensity Distribution Curve



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:

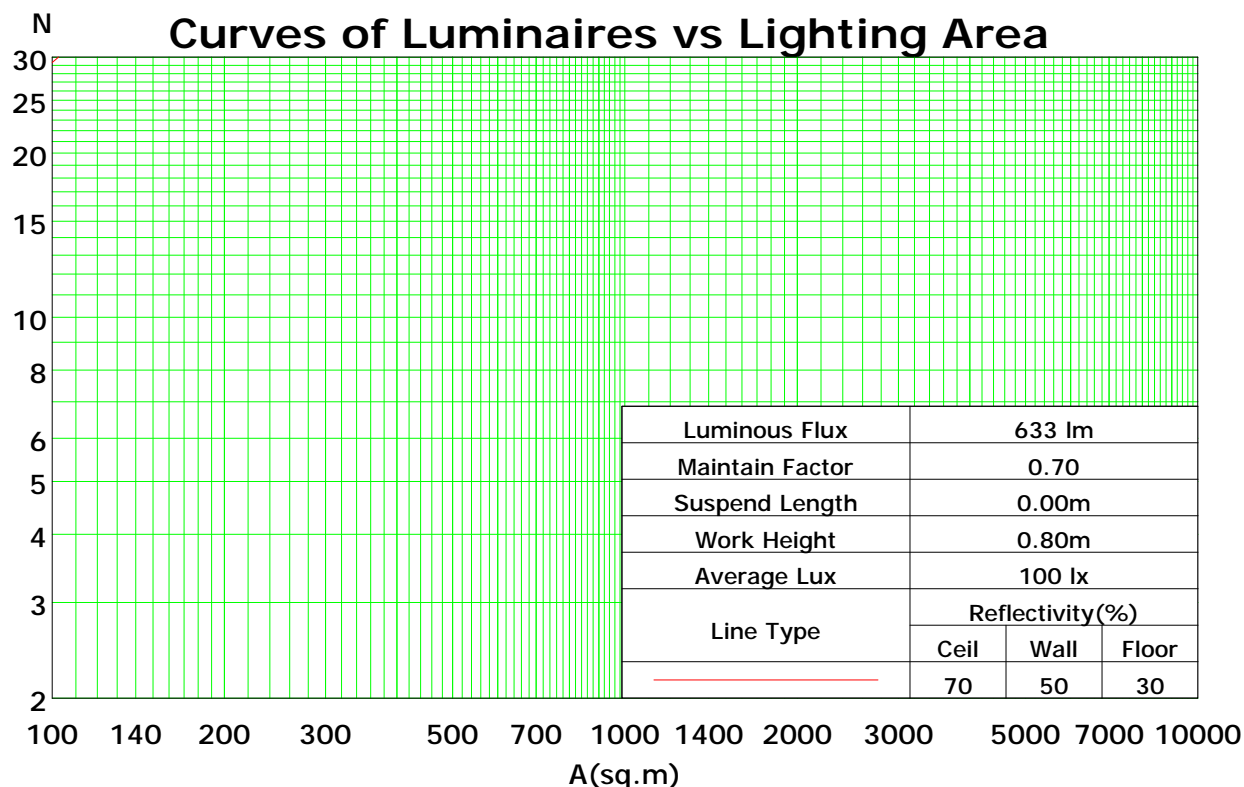
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 70 |
| 1 | 98 | 91 | 86 | 80 | 92 | 86 | 81 | 76 | 76 | 72 | 68 | 67 | 64 | 61 | 59 | 56 | 54 | 50 |
| 2 | 87 | 77 | 69 | 62 | 82 | 73 | 65 | 59 | 64 | 58 | 53 | 56 | 52 | 48 | 49 | 45 | 42 | 38 |
| 3 | 79 | 67 | 57 | 50 | 73 | 63 | 54 | 47 | 55 | 48 | 43 | 48 | 43 | 38 | 42 | 38 | 34 | 30 |
| 4 | 71 | 58 | 48 | 41 | 67 | 55 | 46 | 39 | 48 | 41 | 35 | 42 | 36 | 32 | 37 | 32 | 28 | 25 |
| 5 | 65 | 51 | 42 | 34 | 61 | 48 | 40 | 33 | 43 | 35 | 30 | 38 | 32 | 27 | 33 | 28 | 24 | 21 |
| 6 | 60 | 46 | 36 | 29 | 56 | 43 | 34 | 28 | 38 | 31 | 26 | 34 | 28 | 23 | 29 | 24 | 20 | 18 |
| 7 | 55 | 41 | 32 | 25 | 52 | 39 | 30 | 24 | 35 | 27 | 22 | 31 | 24 | 20 | 27 | 22 | 18 | 15 |
| 8 | 51 | 37 | 28 | 22 | 48 | 35 | 27 | 21 | 31 | 24 | 19 | 28 | 22 | 18 | 24 | 19 | 16 | 13 |
| 9 | 48 | 34 | 25 | 20 | 45 | 32 | 24 | 19 | 29 | 22 | 17 | 26 | 20 | 16 | 23 | 18 | 14 | 12 |
| 10 | 44 | 31 | 23 | 18 | 42 | 29 | 22 | 17 | 26 | 20 | 15 | 24 | 18 | 14 | 21 | 16 | 13 | 11 |

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.68

Spacing Criteria (Diagonal): 1.64



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

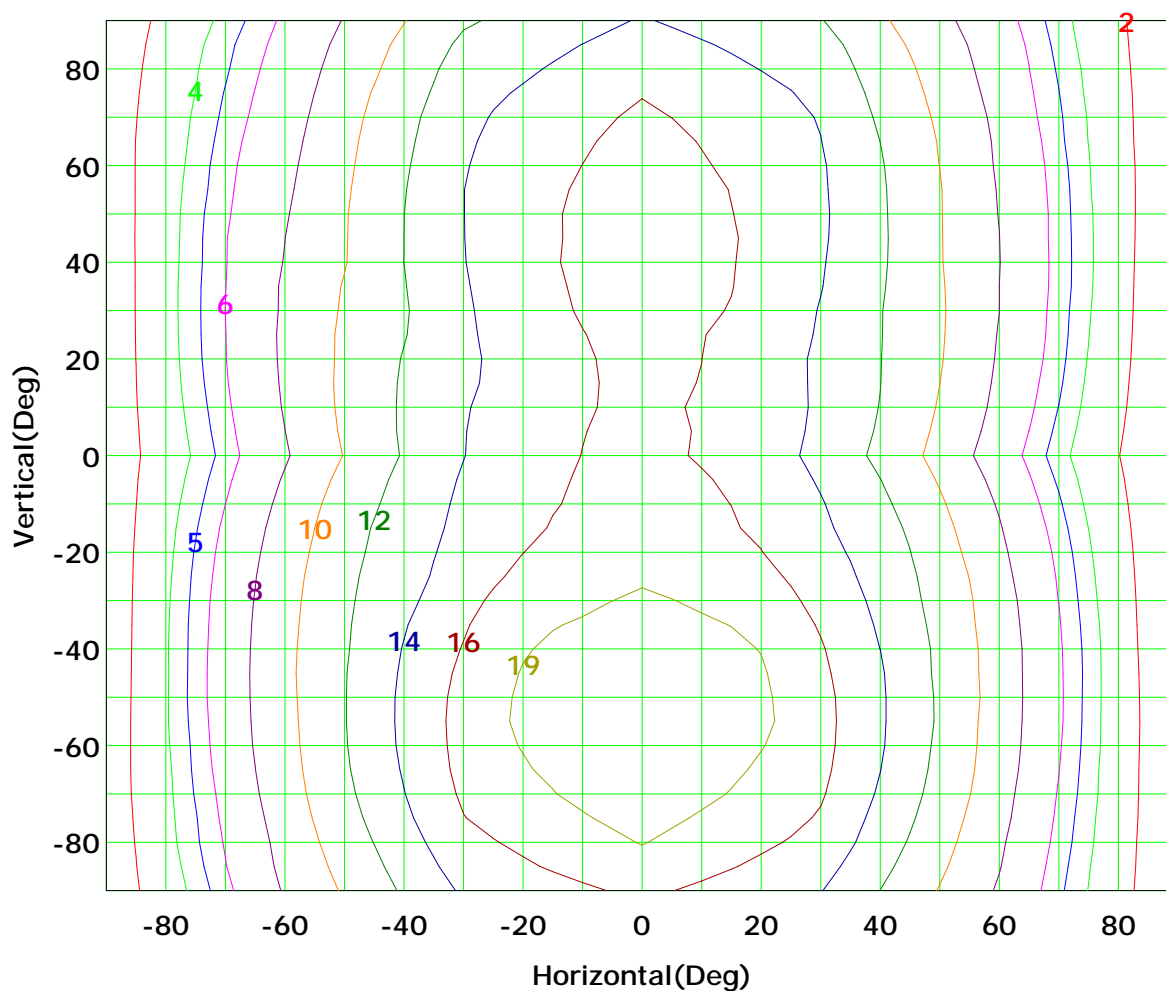
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



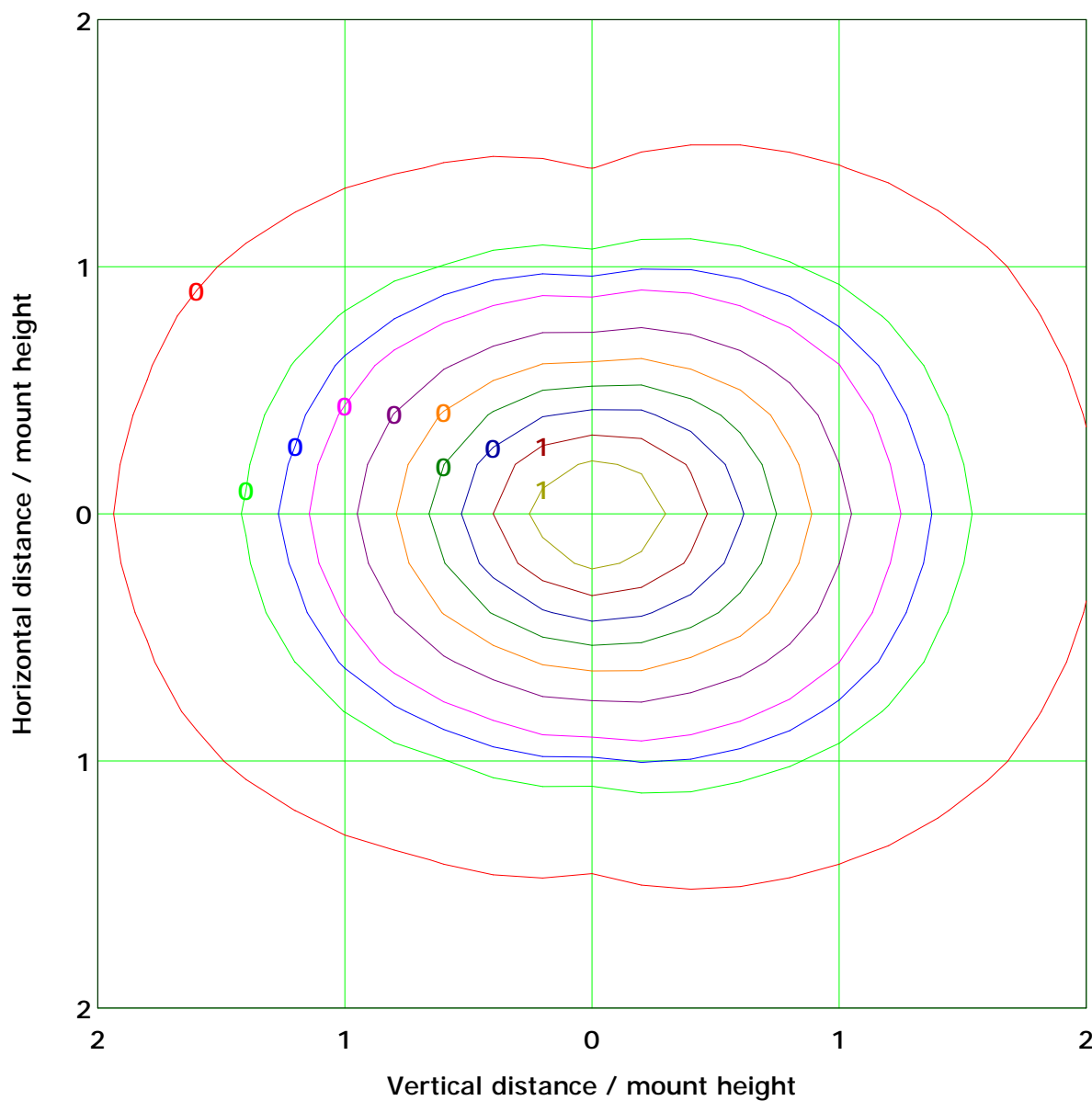
I_{max} (100%): 21 cd

| | | | |
|---------|-------|---------|-------|
| (10%): | 2 cd | (20%): | 4 cd |
| (25%): | 5 cd | (30%): | 6 cd |
| (40%): | 8 cd | (50%): | 10 cd |
| (60%): | 12 cd | (70%): | 14 cd |
| (80%): | 16 cd | (90%): | 19 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%): 0.7 lx

| | |
|----------------|----------------|
| (10%): 0.1 lx | (20%): 0.1 lx |
| (25%): 0.2 lx | (30%): 0.2 lx |
| (40%): 0.3 lx | (50%): 0.3 lx |
| (60%): 0.4 lx | (70%): 0.5 lx |
| (80%): 0.5 lx | (90%): 0.6 lx |

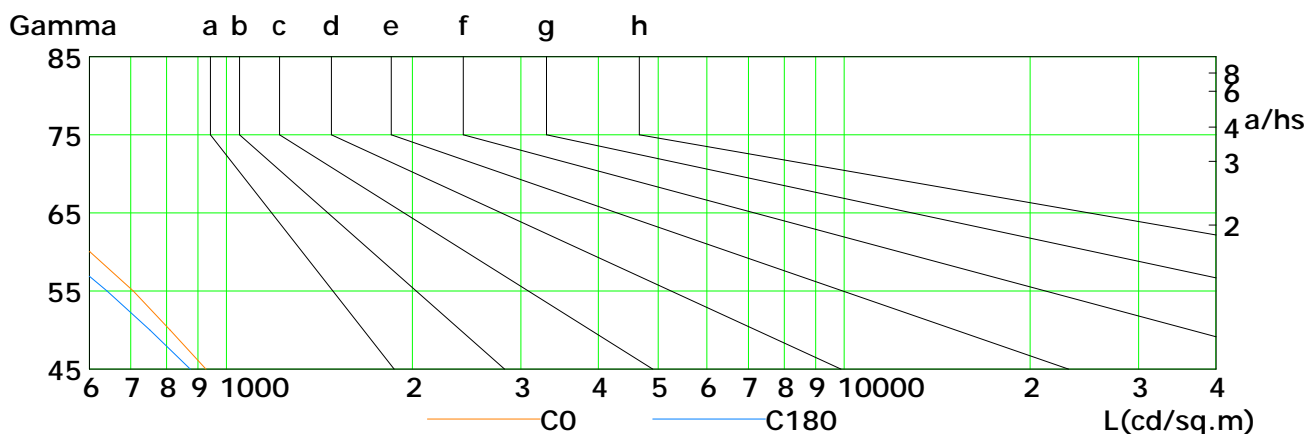
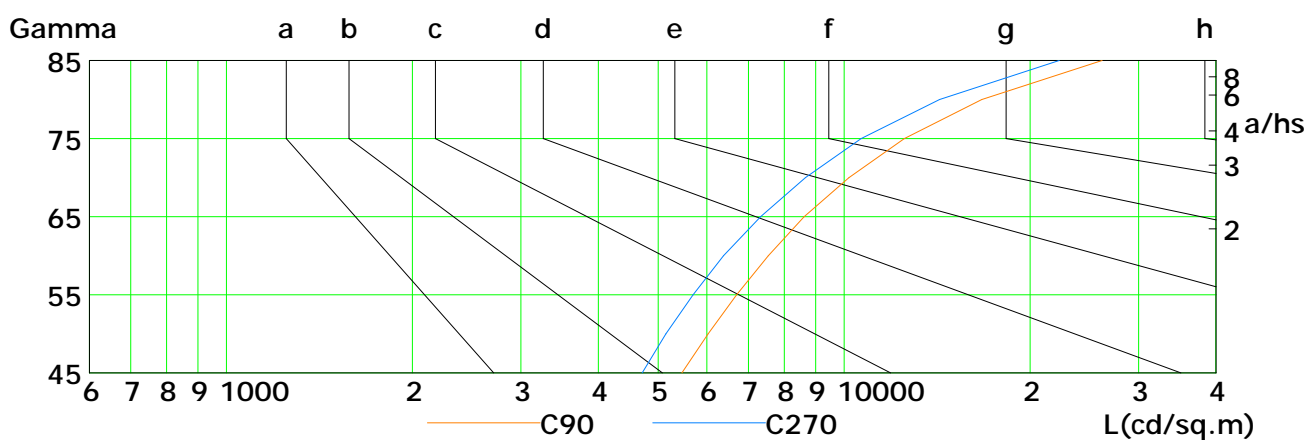
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



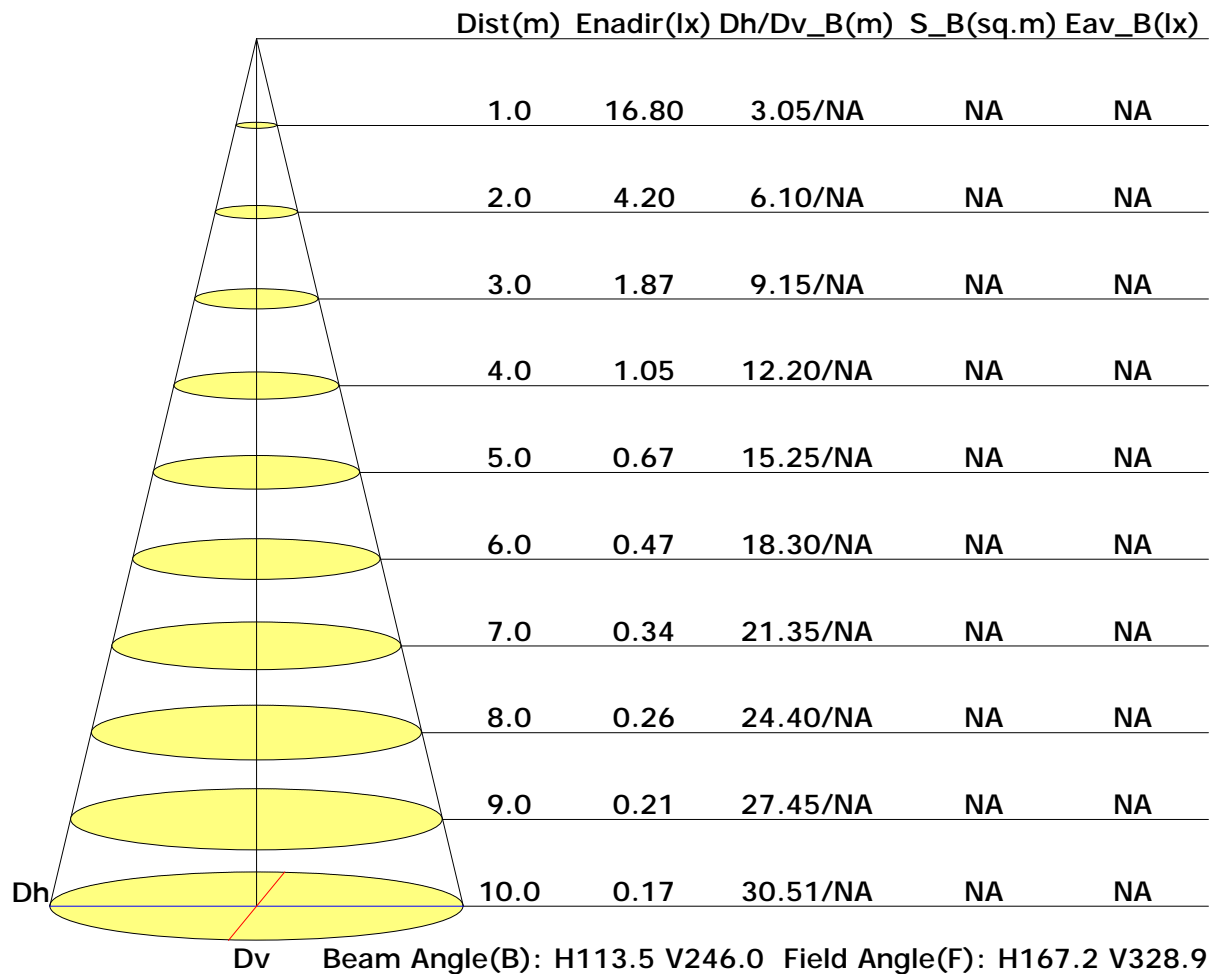
| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|------|------|-------|-------|-------|-------|
| C0 | 927 | 811 | 707 | 602 | 508 | 412 | 323 | 238 | 144 |
| C90 | 5466 | 6029 | 6701 | 7539 | 8621 | 10190 | 12523 | 16717 | 26182 |
| C180 | 874 | 752 | 641 | 540 | 437 | 343 | 250 | 160 | 75 |
| C270 | 4714 | 5145 | 5699 | 6380 | 7330 | 8658 | 10660 | 14276 | 22298 |

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:



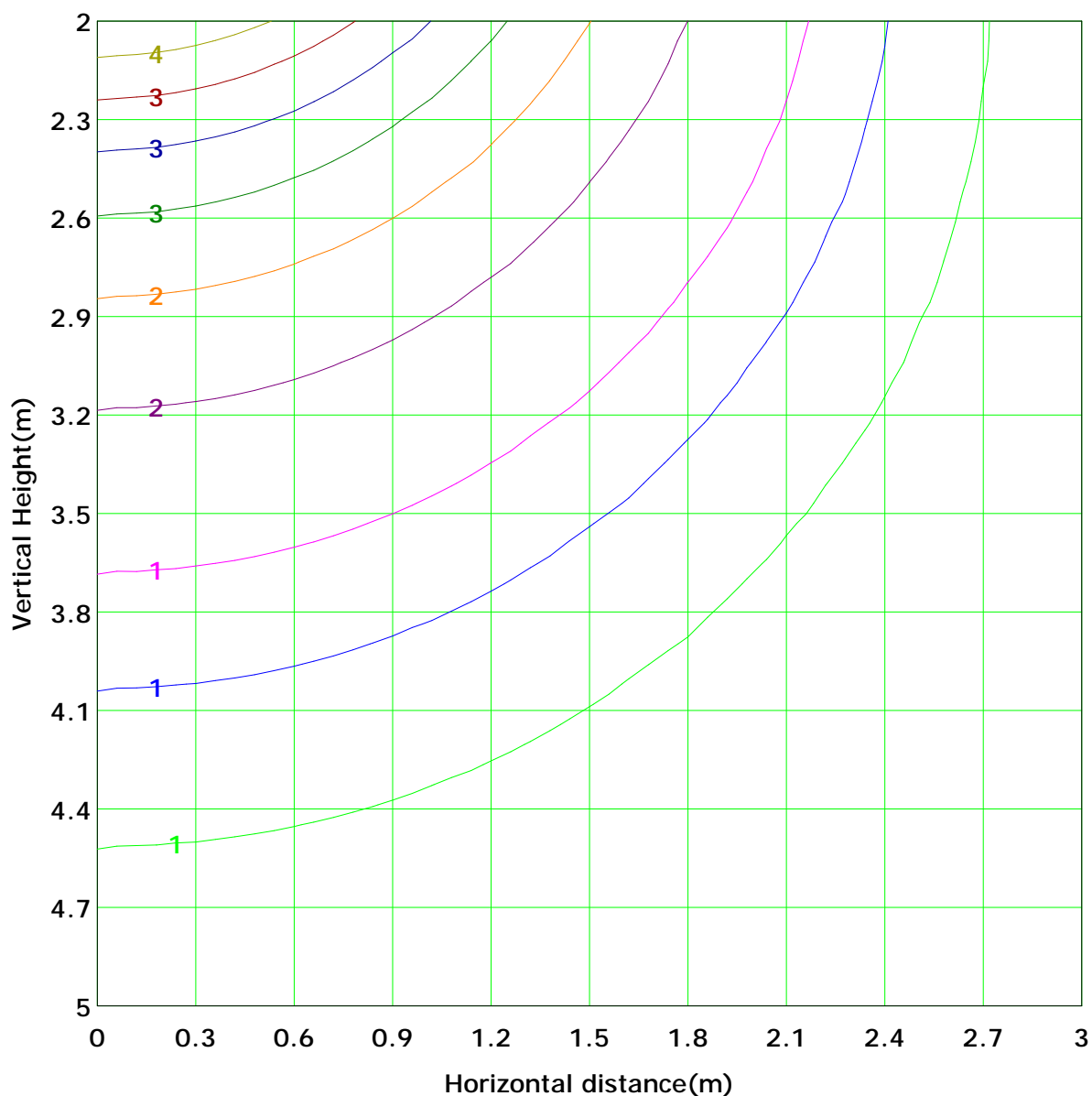
Illuminance at a Distance



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: 4.2 lx |
| (10%): 0.4 lx | (20%): 0.8 lx | |
| (25%): 1.0 lx | (30%): 1.3 lx | |
| (40%): 1.7 lx | (50%): 2.1 lx | |
| (60%): 2.5 lx | (70%): 2.9 lx | |
| (80%): 3.4 lx | (90%): 3.8 lx | |

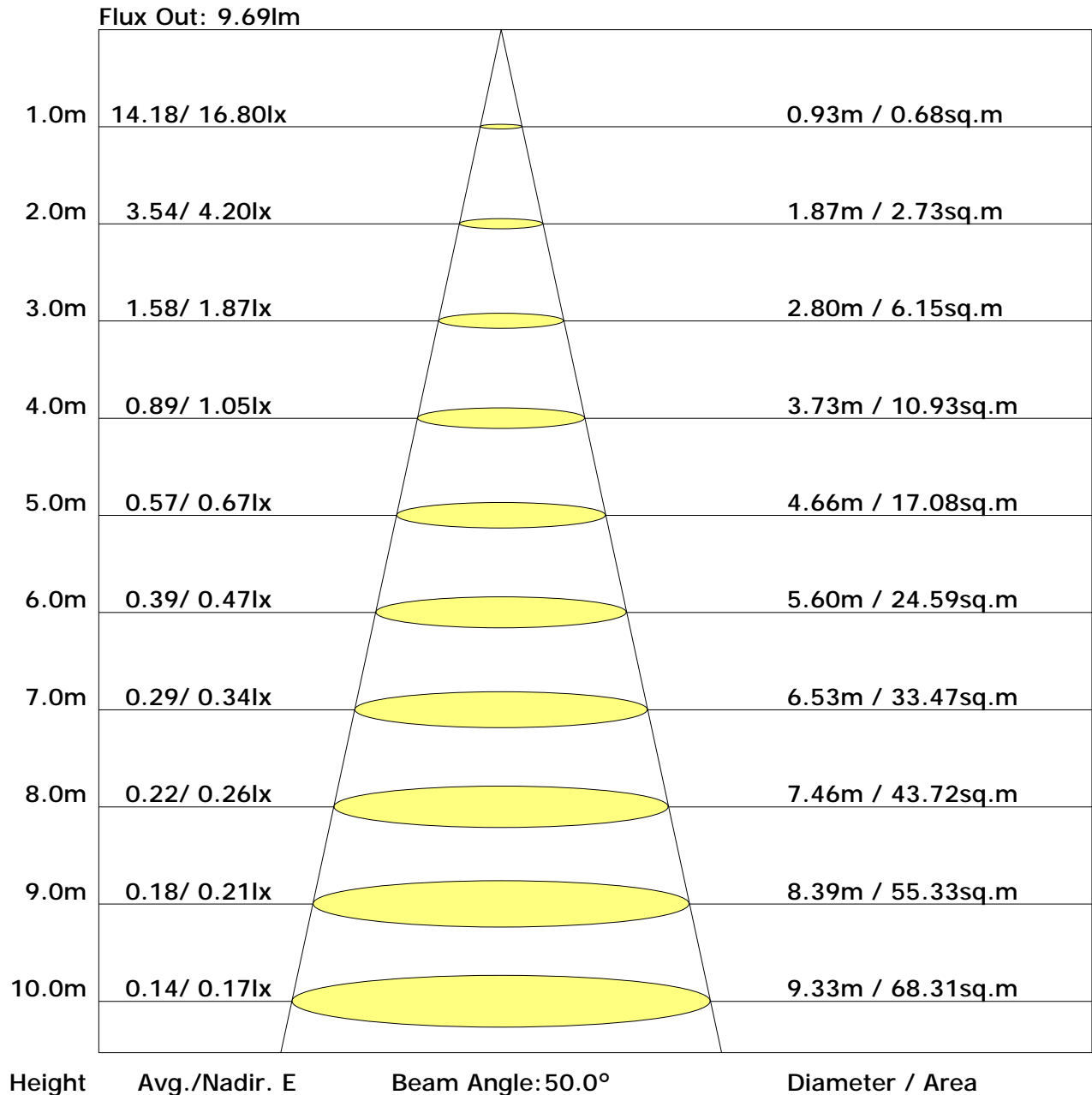
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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 | 18.0 | 19.3 | 18.8 | 20.0 | 21.0 | 19.7 | 20.9 | 20.4 | 21.7 | 22.6 |
| 3H | 20.2 | 21.3 | 21.0 | 22.1 | 23.1 | 22.3 | 23.4 | 23.0 | 24.2 | 25.2 |
| 4H | 21.1 | 22.2 | 21.9 | 23.0 | 24.0 | 23.5 | 24.6 | 24.3 | 25.4 | 26.4 |
| 6H | 21.9 | 23.0 | 22.7 | 23.8 | 24.8 | 24.8 | 25.8 | 25.5 | 26.6 | 27.6 |
| 8H | 22.3 | 23.2 | 23.1 | 24.1 | 25.1 | 25.3 | 26.3 | 26.1 | 27.1 | 28.1 |
| 12H | 22.5 | 23.5 | 23.3 | 24.3 | 25.3 | 25.9 | 26.8 | 26.7 | 27.6 | 28.7 |
| X=4H Y=2H | 18.9 | 20.0 | 19.6 | 20.8 | 21.7 | 20.2 | 21.3 | 21.0 | 22.1 | 23.1 |
| 3H | 21.2 | 22.2 | 22.0 | 23.0 | 24.0 | 23.2 | 24.1 | 24.0 | 25.0 | 26.0 |
| 4H | 22.3 | 23.2 | 23.1 | 24.0 | 25.1 | 24.6 | 25.5 | 25.4 | 26.3 | 27.3 |
| 6H | 23.3 | 24.1 | 24.1 | 24.9 | 26.0 | 26.0 | 26.8 | 26.8 | 27.6 | 28.7 |
| 8H | 23.7 | 24.4 | 24.5 | 25.3 | 26.3 | 26.7 | 27.4 | 27.5 | 28.3 | 29.3 |
| 12H | 24.0 | 24.7 | 24.9 | 25.6 | 26.6 | 27.3 | 28.0 | 28.2 | 28.9 | 29.9 |
| X=8H Y=4H | 23.0 | 23.7 | 23.8 | 24.6 | 25.6 | 25.0 | 25.7 | 25.8 | 26.6 | 27.6 |
| 6H | 24.2 | 24.8 | 25.0 | 25.7 | 26.8 | 26.6 | 27.3 | 27.5 | 28.2 | 29.2 |
| 8H | 24.7 | 25.3 | 25.6 | 26.2 | 27.3 | 27.5 | 28.1 | 28.3 | 28.9 | 30.0 |
| 12H | 25.2 | 25.7 | 26.1 | 26.6 | 27.7 | 28.3 | 28.8 | 29.2 | 29.7 | 30.8 |
| X=12H Y=4H | 23.2 | 23.9 | 24.0 | 24.7 | 25.8 | 25.0 | 25.7 | 25.9 | 26.6 | 27.6 |
| 6H | 24.5 | 25.1 | 25.3 | 25.9 | 27.0 | 26.8 | 27.3 | 27.6 | 28.2 | 29.3 |
| 8H | 25.1 | 25.6 | 26.0 | 26.5 | 27.6 | 27.7 | 28.2 | 28.5 | 29.1 | 30.2 |

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 = 1.75 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | NA | 0.52 | 0.58 | 0.63 | 0.70 | 0.75 | 0.79 | 0.84 | 0.87 |
| | 0.30 | | NA | 0.43 | 0.50 | 0.55 | 0.63 | 0.68 | 0.72 | 0.78 | 0.82 |
| | 0.20 | | NA | 0.37 | 0.44 | 0.49 | 0.57 | 0.63 | 0.67 | 0.74 | 0.78 |
| 0.50 | 0.50 | 0.20 | NA | 0.46 | 0.52 | 0.56 | 0.62 | 0.67 | 0.70 | 0.74 | 0.77 |
| | 0.30 | | NA | 0.39 | 0.45 | 0.50 | 0.56 | 0.61 | 0.65 | 0.70 | 0.74 |
| | 0.20 | | NA | 0.35 | 0.40 | 0.44 | 0.51 | 0.57 | 0.60 | 0.66 | 0.70 |
| 0.30 | 0.50 | 0.20 | NA | 0.41 | 0.46 | 0.50 | 0.55 | 0.59 | 0.62 | 0.66 | 0.68 |
| | 0.30 | | NA | 0.36 | 0.41 | 0.45 | 0.50 | 0.55 | 0.58 | 0.62 | 0.65 |
| | 0.20 | | NA | 0.31 | 0.36 | 0.40 | 0.46 | 0.51 | 0.54 | 0.59 | 0.63 |
| 0.00 | 0.00 | 0.00 | NA | 0.25 | 0.29 | 0.33 | 0.38 | 0.41 | 0.44 | 0.48 | 0.51 |
| Rating: 3W 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 = 1.75 | | | | | | | | |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | NA | 0.89 | 0.78 | 0.70 | 0.58 | 0.50 | 0.44 | 0.35 | 0.30 |
| | 0.30 | | NA | 0.76 | 0.68 | 0.62 | 0.52 | 0.46 | 0.41 | 0.33 | 0.28 |
| | 0.20 | | NA | 0.66 | 0.60 | 0.55 | 0.48 | 0.42 | 0.38 | 0.31 | 0.27 |
| 0.50 | 0.50 | 0.20 | NA | 0.80 | 0.71 | 0.63 | 0.53 | 0.47 | 0.40 | 0.32 | 0.27 |
| | 0.30 | | NA | 0.70 | 0.62 | 0.57 | 0.48 | 0.42 | 0.37 | 0.31 | 0.26 |
| | 0.20 | | NA | 0.62 | 0.56 | 0.51 | 0.44 | 0.39 | 0.35 | 0.29 | 0.25 |
| 0.30 | 0.50 | 0.20 | NA | 0.72 | 0.64 | 0.57 | 0.48 | 0.41 | 0.36 | 0.30 | 0.25 |
| | 0.30 | | NA | 0.64 | 0.57 | 0.52 | 0.44 | 0.38 | 0.34 | 0.28 | 0.24 |
| | 0.20 | | NA | 0.57 | 0.52 | 0.47 | 0.41 | 0.36 | 0.32 | 0.27 | 0.23 |
| 0.00 | 0.00 | 0.00 | 0.70 | 0.45 | 0.41 | 0.37 | 0.32 | 0.29 | 0.26 | 0.22 | 0.19 |
| Rating: 3W 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 = 1.75 | | | | | | | | |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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 | NA | 0.47 | 0.48 | 0.49 | 0.50 | 0.50 | 0.50 | 0.51 | 0.51 |
| | 0.30 | | NA | 0.40 | 0.41 | 0.42 | 0.44 | 0.45 | 0.46 | 0.47 | 0.47 |
| | 0.20 | | NA | 0.35 | 0.36 | 0.37 | 0.39 | 0.40 | 0.41 | 0.43 | 0.44 |
| 0.50 | 0.50 | 0.20 | NA | 0.46 | 0.46 | 0.47 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 |
| | 0.30 | | NA | 0.39 | 0.40 | 0.41 | 0.42 | 0.43 | 0.44 | 0.45 | 0.46 |
| | 0.20 | | NA | 0.35 | 0.36 | 0.37 | 0.38 | 0.39 | 0.40 | 0.42 | 0.43 |
| 0.30 | 0.50 | 0.20 | NA | 0.44 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 |
| | 0.30 | | NA | 0.39 | 0.39 | 0.40 | 0.41 | 0.42 | 0.43 | 0.43 | 0.44 |
| | 0.20 | | NA | 0.34 | 0.35 | 0.36 | 0.37 | 0.38 | 0.39 | 0.40 | 0.41 |
| 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| <p>Rating: 3W 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 | 16.7 | 0.0 | 0.0 | 0.01 | 0.01 |
| 1.0-2.0 | 16.7 | 0.0 | 0.1 | 0.04 | 0.05 |
| 2.0-3.0 | 16.7 | 0.1 | 0.1 | 0.07 | 0.12 |
| 3.0-4.0 | 16.7 | 0.1 | 0.3 | 0.09 | 0.21 |
| 4.0-5.0 | 16.7 | 0.1 | 0.4 | 0.12 | 0.33 |
| 5.0-6.0 | 16.7 | 0.2 | 0.6 | 0.14 | 0.47 |
| 6.0-7.0 | 16.7 | 0.2 | 0.8 | 0.17 | 0.64 |
| 7.0-8.0 | 16.7 | 0.2 | 1.0 | 0.20 | 0.84 |
| 8.0-9.0 | 16.7 | 0.3 | 1.3 | 0.22 | 1.06 |
| 9.0-10.0 | 16.7 | 0.3 | 1.6 | 0.25 | 1.31 |
| 10.0-11.0 | 16.7 | 0.3 | 1.9 | 0.27 | 1.58 |
| 11.0-12.0 | 16.6 | 0.4 | 2.3 | 0.30 | 1.88 |
| 12.0-13.0 | 16.6 | 0.4 | 2.7 | 0.32 | 2.20 |
| 13.0-14.0 | 16.6 | 0.4 | 3.1 | 0.35 | 2.55 |
| 14.0-15.0 | 16.5 | 0.5 | 3.6 | 0.37 | 2.92 |
| 15.0-16.0 | 16.5 | 0.5 | 4.0 | 0.40 | 3.31 |
| 16.0-17.0 | 16.5 | 0.5 | 4.6 | 0.42 | 3.73 |
| 17.0-18.0 | 16.4 | 0.5 | 5.1 | 0.44 | 4.18 |
| 18.0-19.0 | 16.4 | 0.6 | 5.7 | 0.47 | 4.65 |
| 19.0-20.0 | 16.4 | 0.6 | 6.3 | 0.49 | 5.14 |
| 20.0-21.0 | 16.3 | 0.6 | 6.9 | 0.51 | 5.65 |
| 21.0-22.0 | 16.3 | 0.7 | 7.6 | 0.54 | 6.19 |
| 22.0-23.0 | 16.3 | 0.7 | 8.2 | 0.56 | 6.75 |
| 23.0-24.0 | 16.3 | 0.7 | 8.9 | 0.58 | 7.33 |
| 24.0-25.0 | 16.2 | 0.7 | 9.7 | 0.60 | 7.93 |
| 25.0-26.0 | 16.2 | 0.8 | 10.5 | 0.63 | 8.56 |
| 26.0-27.0 | 16.2 | 0.8 | 11.2 | 0.65 | 9.21 |
| 27.0-28.0 | 16.1 | 0.8 | 12.1 | 0.67 | 9.88 |
| 28.0-29.0 | 16.1 | 0.8 | 12.9 | 0.69 | 10.57 |
| 29.0-30.0 | 16.1 | 0.9 | 13.8 | 0.71 | 11.28 |
| 30.0-31.0 | 16.0 | 0.9 | 14.7 | 0.73 | 12.01 |
| 31.0-32.0 | 16.0 | 0.9 | 15.6 | 0.75 | 12.76 |
| 32.0-33.0 | 15.9 | 0.9 | 16.5 | 0.77 | 13.53 |
| 33.0-34.0 | 15.9 | 1.0 | 17.5 | 0.79 | 14.32 |
| 34.0-35.0 | 15.8 | 1.0 | 18.5 | 0.81 | 15.12 |
| 35.0-36.0 | 15.8 | 1.0 | 19.5 | 0.82 | 15.94 |

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 | 15.7 | 1.0 | 20.5 | 0.84 | 16.79 |
| 37.0-38.0 | 15.7 | 1.0 | 21.5 | 0.86 | 17.64 |
| 38.0-39.0 | 15.6 | 1.1 | 22.6 | 0.88 | 18.52 |
| 39.0-40.0 | 15.6 | 1.1 | 23.7 | 0.89 | 19.41 |
| 40.0-41.0 | 15.5 | 1.1 | 24.8 | 0.91 | 20.31 |
| 41.0-42.0 | 15.5 | 1.1 | 25.9 | 0.92 | 21.23 |
| 42.0-43.0 | 15.4 | 1.1 | 27.1 | 0.93 | 22.17 |
| 43.0-44.0 | 15.3 | 1.2 | 28.2 | 0.95 | 23.12 |
| 44.0-45.0 | 15.3 | 1.2 | 29.4 | 0.96 | 24.08 |
| 45.0-46.0 | 15.2 | 1.2 | 30.6 | 0.97 | 25.05 |
| 46.0-47.0 | 15.1 | 1.2 | 31.8 | 0.99 | 26.04 |
| 47.0-48.0 | 15.0 | 1.2 | 33.0 | 1.00 | 27.03 |
| 48.0-49.0 | 15.0 | 1.2 | 34.2 | 1.01 | 28.04 |
| 49.0-50.0 | 14.9 | 1.2 | 35.5 | 1.02 | 29.05 |
| 50.0-51.0 | 14.8 | 1.3 | 36.7 | 1.02 | 30.08 |
| 51.0-52.0 | 14.7 | 1.3 | 38.0 | 1.03 | 31.11 |
| 52.0-53.0 | 14.6 | 1.3 | 39.3 | 1.04 | 32.15 |
| 53.0-54.0 | 14.5 | 1.3 | 40.5 | 1.05 | 33.20 |
| 54.0-55.0 | 14.4 | 1.3 | 41.8 | 1.05 | 34.26 |
| 55.0-56.0 | 14.3 | 1.3 | 43.1 | 1.06 | 35.32 |
| 56.0-57.0 | 14.2 | 1.3 | 44.4 | 1.07 | 36.38 |
| 57.0-58.0 | 14.1 | 1.3 | 45.7 | 1.07 | 37.45 |
| 58.0-59.0 | 14.0 | 1.3 | 47.0 | 1.07 | 38.52 |
| 59.0-60.0 | 13.9 | 1.3 | 48.3 | 1.08 | 39.60 |
| 60.0-61.0 | 13.8 | 1.3 | 49.7 | 1.08 | 40.68 |
| 61.0-62.0 | 13.7 | 1.3 | 51.0 | 1.08 | 41.76 |
| 62.0-63.0 | 13.5 | 1.3 | 52.3 | 1.08 | 42.83 |
| 63.0-64.0 | 13.4 | 1.3 | 53.6 | 1.08 | 43.91 |
| 64.0-65.0 | 13.3 | 1.3 | 54.9 | 1.08 | 44.99 |
| 65.0-66.0 | 13.2 | 1.3 | 56.2 | 1.08 | 46.07 |
| 66.0-67.0 | 13.1 | 1.3 | 57.6 | 1.08 | 47.14 |
| 67.0-68.0 | 12.9 | 1.3 | 58.9 | 1.07 | 48.22 |
| 68.0-69.0 | 12.8 | 1.3 | 60.2 | 1.07 | 49.29 |
| 69.0-70.0 | 12.7 | 1.3 | 61.5 | 1.06 | 50.35 |
| 70.0-71.0 | 12.5 | 1.3 | 62.8 | 1.06 | 51.41 |
| 71.0-72.0 | 12.4 | 1.3 | 64.1 | 1.06 | 52.47 |

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 | 12.3 | 1.3 | 65.3 | 1.05 | 53.52 |
| 73.0-74.0 | 12.1 | 1.3 | 66.6 | 1.04 | 54.56 |
| 74.0-75.0 | 12.0 | 1.3 | 67.9 | 1.04 | 55.60 |
| 75.0-76.0 | 11.8 | 1.3 | 69.1 | 1.03 | 56.63 |
| 76.0-77.0 | 11.7 | 1.2 | 70.4 | 1.02 | 57.65 |
| 77.0-78.0 | 11.5 | 1.2 | 71.6 | 1.01 | 58.66 |
| 78.0-79.0 | 11.4 | 1.2 | 72.8 | 1.00 | 59.66 |
| 79.0-80.0 | 11.2 | 1.2 | 74.0 | 0.99 | 60.66 |
| 80.0-81.0 | 11.1 | 1.2 | 75.2 | 0.98 | 61.64 |
| 81.0-82.0 | 10.9 | 1.2 | 76.4 | 0.97 | 62.61 |
| 82.0-83.0 | 10.8 | 1.2 | 77.6 | 0.96 | 63.57 |
| 83.0-84.0 | 10.6 | 1.2 | 78.8 | 0.95 | 64.52 |
| 84.0-85.0 | 10.5 | 1.1 | 79.9 | 0.94 | 65.46 |
| 85.0-86.0 | 10.3 | 1.1 | 81.0 | 0.93 | 66.38 |
| 86.0-87.0 | 10.2 | 1.1 | 82.1 | 0.91 | 67.30 |
| 87.0-88.0 | 10.1 | 1.1 | 83.3 | 0.90 | 68.20 |
| 88.0-89.0 | 9.9 | 1.1 | 84.3 | 0.89 | 69.09 |
| 89.0-90.0 | 9.7 | 1.1 | 85.4 | 0.87 | 69.96 |
| 90.0-91.0 | 9.6 | 1.1 | 86.5 | 0.86 | 70.82 |
| 91.0-92.0 | 9.5 | 1.0 | 87.5 | 0.85 | 71.67 |
| 92.0-93.0 | 9.3 | 1.0 | 88.5 | 0.84 | 72.51 |
| 93.0-94.0 | 9.2 | 1.0 | 89.5 | 0.82 | 73.33 |
| 94.0-95.0 | 9.1 | 1.0 | 90.5 | 0.81 | 74.14 |
| 95.0-96.0 | 9.0 | 1.0 | 91.5 | 0.80 | 74.94 |
| 96.0-97.0 | 8.8 | 1.0 | 92.4 | 0.79 | 75.73 |
| 97.0-98.0 | 8.7 | 0.9 | 93.4 | 0.78 | 76.51 |
| 98.0-99.0 | 8.6 | 0.9 | 94.3 | 0.76 | 77.28 |
| 99.0-100.0 | 8.5 | 0.9 | 95.2 | 0.75 | 78.03 |
| 100.0-101.0 | 8.4 | 0.9 | 96.2 | 0.74 | 78.77 |
| 101.0-102.0 | 8.2 | 0.9 | 97.0 | 0.73 | 79.49 |
| 102.0-103.0 | 8.1 | 0.9 | 97.9 | 0.71 | 80.20 |
| 103.0-104.0 | 8.0 | 0.9 | 98.8 | 0.70 | 80.90 |
| 104.0-105.0 | 7.9 | 0.8 | 99.6 | 0.69 | 81.59 |
| 105.0-106.0 | 7.8 | 0.8 | 100.4 | 0.67 | 82.26 |
| 106.0-107.0 | 7.7 | 0.8 | 101.2 | 0.66 | 82.92 |
| 107.0-108.0 | 7.5 | 0.8 | 102.0 | 0.65 | 83.57 |

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 | 7.4 | 0.8 | 102.8 | 0.63 | 84.20 |
| 109.0-110.0 | 7.3 | 0.8 | 103.5 | 0.62 | 84.82 |
| 110.0-111.0 | 7.2 | 0.7 | 104.3 | 0.61 | 85.43 |
| 111.0-112.0 | 7.1 | 0.7 | 105.0 | 0.59 | 86.02 |
| 112.0-113.0 | 7.0 | 0.7 | 105.7 | 0.58 | 86.60 |
| 113.0-114.0 | 6.9 | 0.7 | 106.4 | 0.57 | 87.16 |
| 114.0-115.0 | 6.8 | 0.7 | 107.1 | 0.55 | 87.72 |
| 115.0-116.0 | 6.7 | 0.7 | 107.7 | 0.54 | 88.26 |
| 116.0-117.0 | 6.5 | 0.6 | 108.4 | 0.53 | 88.78 |
| 117.0-118.0 | 6.4 | 0.6 | 109.0 | 0.51 | 89.30 |
| 118.0-119.0 | 6.3 | 0.6 | 109.6 | 0.50 | 89.80 |
| 119.0-120.0 | 6.2 | 0.6 | 110.2 | 0.49 | 90.28 |
| 120.0-121.0 | 6.1 | 0.6 | 110.8 | 0.47 | 90.76 |
| 121.0-122.0 | 6.0 | 0.6 | 111.3 | 0.46 | 91.22 |
| 122.0-123.0 | 5.9 | 0.5 | 111.9 | 0.45 | 91.66 |
| 123.0-124.0 | 5.8 | 0.5 | 112.4 | 0.43 | 92.10 |
| 124.0-125.0 | 5.7 | 0.5 | 112.9 | 0.42 | 92.52 |
| 125.0-126.0 | 5.6 | 0.5 | 113.4 | 0.41 | 92.93 |
| 126.0-127.0 | 5.5 | 0.5 | 113.9 | 0.40 | 93.32 |
| 127.0-128.0 | 5.3 | 0.5 | 114.4 | 0.38 | 93.70 |
| 128.0-129.0 | 5.2 | 0.4 | 114.8 | 0.37 | 94.07 |
| 129.0-130.0 | 5.1 | 0.4 | 115.3 | 0.35 | 94.42 |
| 130.0-131.0 | 5.0 | 0.4 | 115.7 | 0.34 | 94.76 |
| 131.0-132.0 | 4.9 | 0.4 | 116.1 | 0.33 | 95.09 |
| 132.0-133.0 | 4.8 | 0.4 | 116.5 | 0.32 | 95.41 |
| 133.0-134.0 | 4.7 | 0.4 | 116.8 | 0.31 | 95.71 |
| 134.0-135.0 | 4.6 | 0.4 | 117.2 | 0.29 | 96.01 |
| 135.0-136.0 | 4.4 | 0.3 | 117.5 | 0.28 | 96.29 |
| 136.0-137.0 | 4.3 | 0.3 | 117.9 | 0.26 | 96.55 |
| 137.0-138.0 | 4.1 | 0.3 | 118.2 | 0.25 | 96.80 |
| 138.0-139.0 | 4.0 | 0.3 | 118.5 | 0.24 | 97.04 |
| 139.0-140.0 | 3.9 | 0.3 | 118.7 | 0.23 | 97.26 |
| 140.0-141.0 | 3.8 | 0.3 | 119.0 | 0.21 | 97.48 |
| 141.0-142.0 | 3.6 | 0.2 | 119.2 | 0.20 | 97.68 |
| 142.0-143.0 | 3.5 | 0.2 | 119.5 | 0.19 | 97.87 |
| 143.0-144.0 | 3.4 | 0.2 | 119.7 | 0.18 | 98.05 |

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 | 3.3 | 0.2 | 119.9 | 0.17 | 98.22 |
| 145.0-146.0 | 3.2 | 0.2 | 120.1 | 0.16 | 98.38 |
| 146.0-147.0 | 3.1 | 0.2 | 120.3 | 0.15 | 98.53 |
| 147.0-148.0 | 2.9 | 0.2 | 120.5 | 0.14 | 98.67 |
| 148.0-149.0 | 2.8 | 0.2 | 120.6 | 0.13 | 98.81 |
| 149.0-150.0 | 2.7 | 0.1 | 120.8 | 0.12 | 98.93 |
| 150.0-151.0 | 2.5 | 0.1 | 120.9 | 0.11 | 99.04 |
| 151.0-152.0 | 2.4 | 0.1 | 121.0 | 0.10 | 99.15 |
| 152.0-153.0 | 2.3 | 0.1 | 121.1 | 0.10 | 99.24 |
| 153.0-154.0 | 2.2 | 0.1 | 121.3 | 0.09 | 99.33 |
| 154.0-155.0 | 2.1 | 0.1 | 121.4 | 0.08 | 99.41 |
| 155.0-156.0 | 2.0 | 0.1 | 121.4 | 0.07 | 99.49 |
| 156.0-157.0 | 1.8 | 0.1 | 121.5 | 0.07 | 99.55 |
| 157.0-158.0 | 1.7 | 0.1 | 121.6 | 0.06 | 99.61 |
| 158.0-159.0 | 1.6 | 0.1 | 121.7 | 0.05 | 99.66 |
| 159.0-160.0 | 1.5 | 0.1 | 121.7 | 0.05 | 99.71 |
| 160.0-161.0 | 1.4 | 0.1 | 121.8 | 0.04 | 99.75 |
| 161.0-162.0 | 1.3 | 0.0 | 121.8 | 0.04 | 99.79 |
| 162.0-163.0 | 1.2 | 0.0 | 121.9 | 0.03 | 99.82 |
| 163.0-164.0 | 1.1 | 0.0 | 121.9 | 0.03 | 99.85 |
| 164.0-165.0 | 1.1 | 0.0 | 121.9 | 0.03 | 99.87 |
| 165.0-166.0 | 1.0 | 0.0 | 121.9 | 0.02 | 99.90 |
| 166.0-167.0 | 0.9 | 0.0 | 122.0 | 0.02 | 99.91 |
| 167.0-168.0 | 0.8 | 0.0 | 122.0 | 0.02 | 99.93 |
| 168.0-169.0 | 0.7 | 0.0 | 122.0 | 0.01 | 99.94 |
| 169.0-170.0 | 0.7 | 0.0 | 122.0 | 0.01 | 99.95 |
| 170.0-171.0 | 0.6 | 0.0 | 122.0 | 0.01 | 99.96 |
| 171.0-172.0 | 0.6 | 0.0 | 122.0 | 0.01 | 99.97 |
| 172.0-173.0 | 0.6 | 0.0 | 122.0 | 0.01 | 99.98 |
| 173.0-174.0 | 0.6 | 0.0 | 122.1 | 0.01 | 99.98 |
| 174.0-175.0 | 0.6 | 0.0 | 122.1 | 0.00 | 99.99 |
| 175.0-176.0 | 0.6 | 0.0 | 122.1 | 0.00 | 99.99 |
| 176.0-177.0 | 0.6 | 0.0 | 122.1 | 0.00 | 100.00 |
| 177.0-178.0 | 0.6 | 0.0 | 122.1 | 0.00 | 100.00 |
| 178.0-179.0 | 0.6 | 0.0 | 122.1 | 0.00 | 100.00 |
| 179.0-180.0 | 0.6 | 0.0 | 122.1 | 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: