

Report No.:

Test Time: 2025/5/23 9:45:23

## LUMINAIRE PHOTOMETRIC TEST REPORT

### Luminaire Property

Manufacturer: 0  
Luminaire Type: 5000K  
Lamp Type:  
Luminous Width: 0 mm  
Luminous Length: 0 mm  
Luminous Height: 0 mm

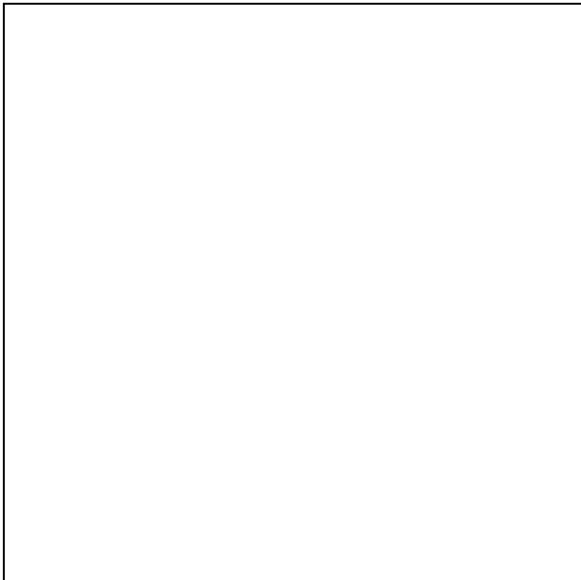
Voltage(V): 11.10 V  
Current(A): 0.5150 A  
Power(W): 4.20 W  
Power Factor: 0.7290  
Lamp Luminous Flux: 252.48

### Photometric Results

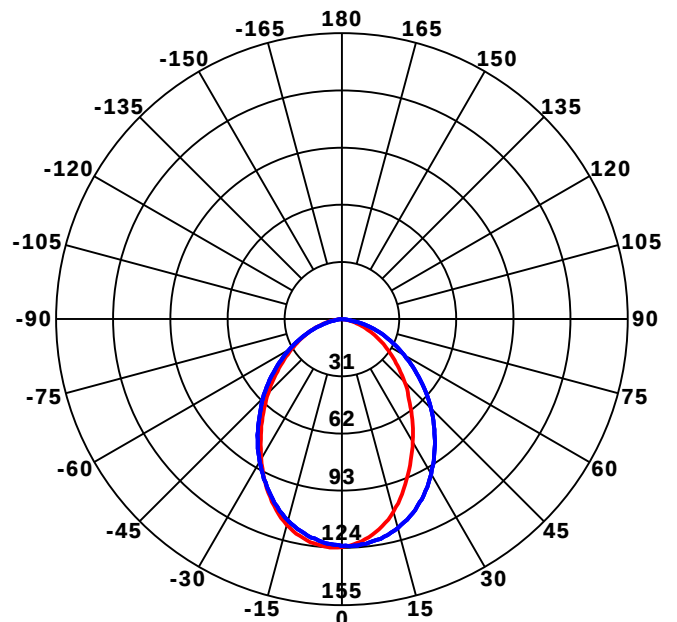
CIE Class: Direct  
Luminaire Luminous Flux: 252.4794 lm  
Downward Ratio: 100.00%  
Luminaire Efficacy Rating(LER): 60.11 lm/W  
Beam Angle(50%) C0-180,C90-270: 79.3,92.8  
Field Angle(10%) C0-180,C90-270: 144.4,150.2  
S/MH C0-180,C90-270: 1.019,1.109

Max. Intensity: 123.67 cd  
Max.Intensity Angle: C=180 Gamma=3  
Upward Ratio: 0.00%  
Efficacy: 100.00%  
Center Intensity: 123.24 cd  
Effective Luminous Flux: 245.26 lm  
ERP( $\varphi$ use)(120deg): 215.82 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 79.3 deg,92.8 deg

C0-180 — C90-270 —

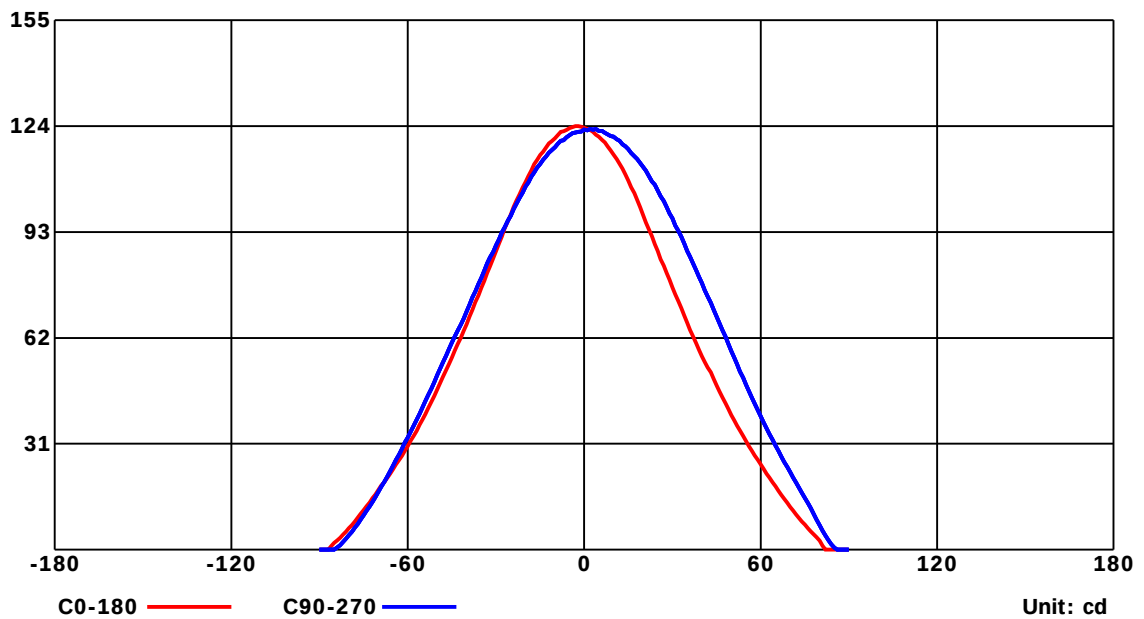
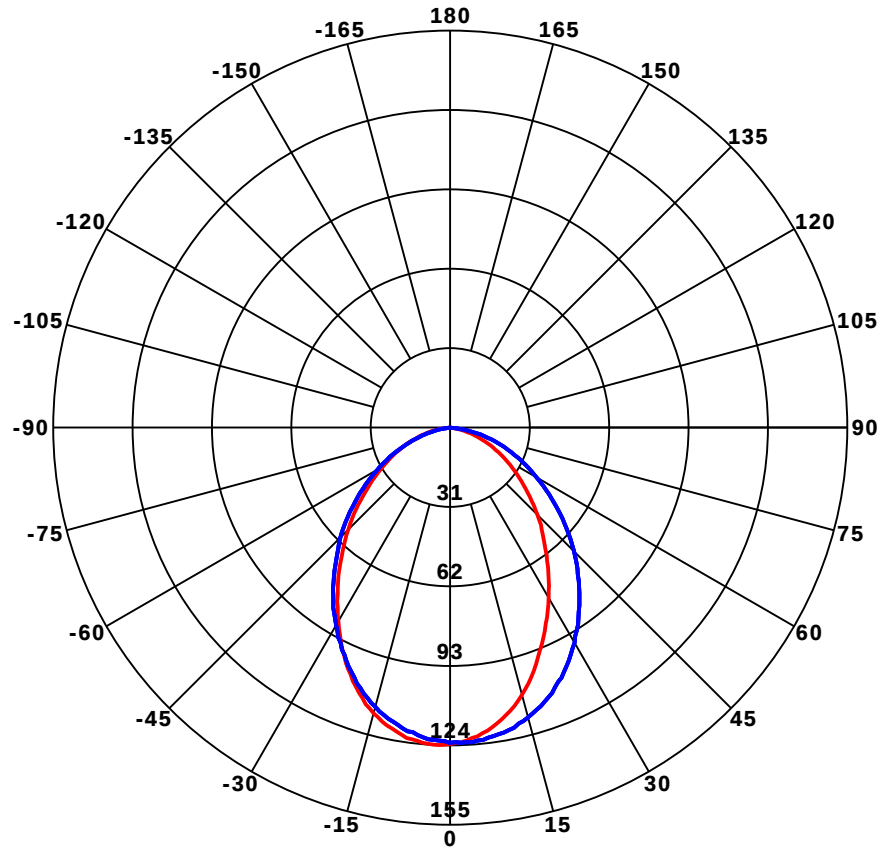
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## Luminous Intensity Distribution Curve



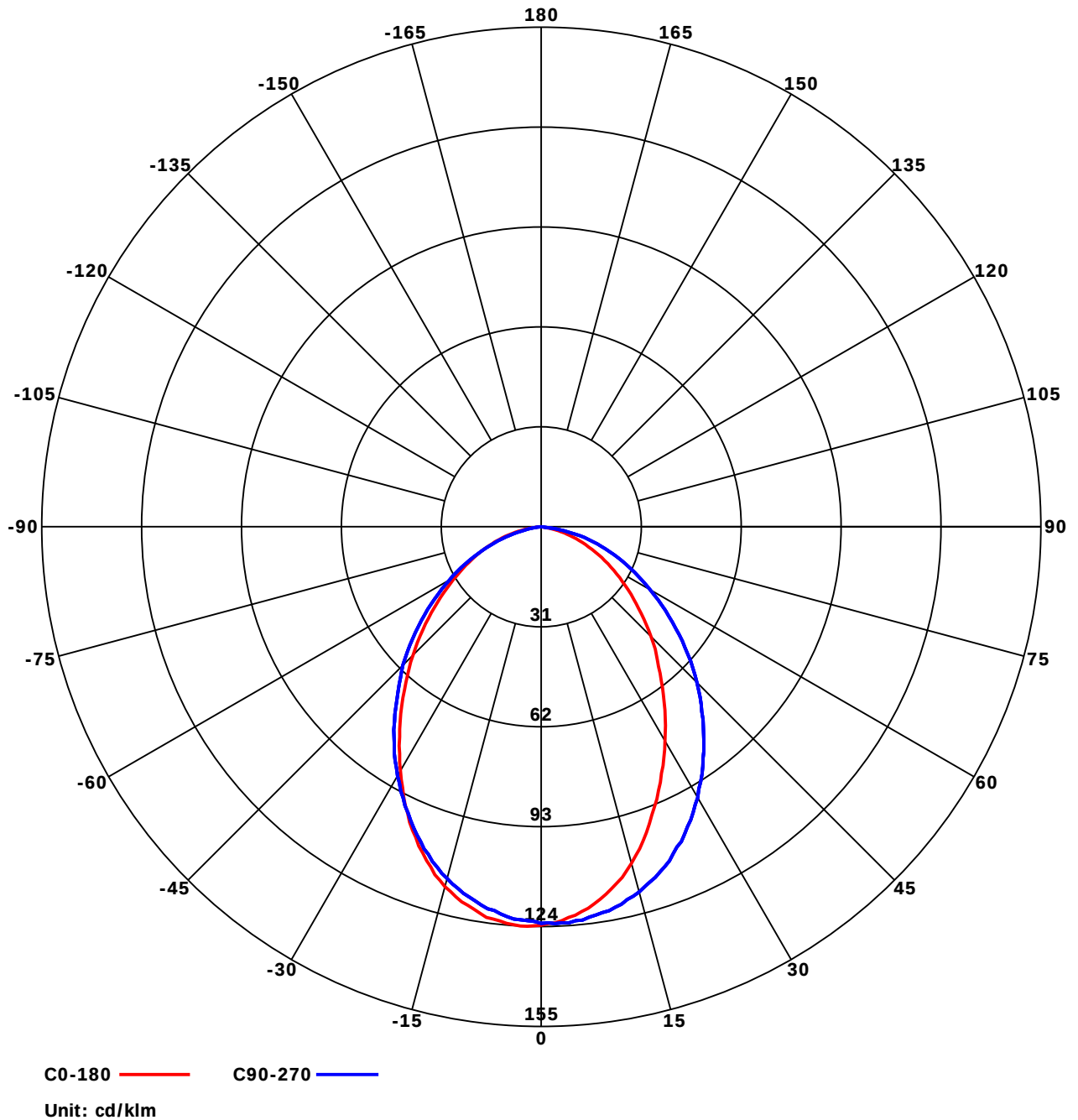
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

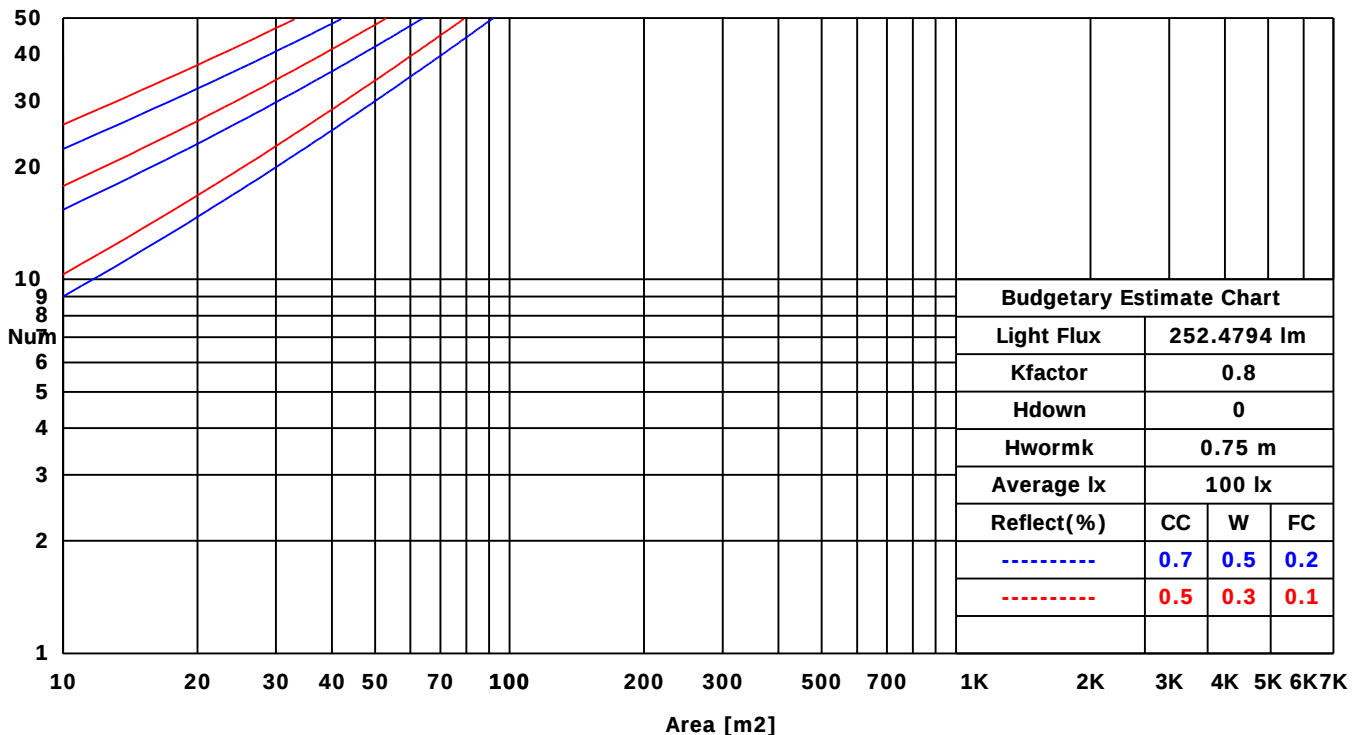
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## UTILIZATION FACTORS TABLE

| RHOCC | 80                                       |      |      | 70   |      |      | 50   |      |      | 30   |      |      | 10   |      |      | 0    |
|-------|------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RHOW  | 50                                       | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 0    |
| RCR   | COEFFICIENTS OF UTILIZATION FOR RHOFC=20 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0     | 1.18                                     | 1.18 | 1.18 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | 0.99 |
| 1     | 1.07                                     | 1.06 | 1.04 | 1.06 | 1.04 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.81 |
| 2     | 0.93                                     | 0.91 | 0.89 | 0.92 | 0.90 | 0.87 | 0.90 | 0.86 | 0.84 | 0.86 | 0.82 | 0.79 | 0.81 | 0.77 | 0.74 | 0.70 |
| 3     | 0.81                                     | 0.79 | 0.77 | 0.81 | 0.78 | 0.75 | 0.79 | 0.75 | 0.72 | 0.77 | 0.72 | 0.69 | 0.73 | 0.68 | 0.64 | 0.60 |
| 4     | 0.71                                     | 0.69 | 0.67 | 0.71 | 0.68 | 0.66 | 0.70 | 0.66 | 0.63 | 0.69 | 0.64 | 0.60 | 0.66 | 0.61 | 0.56 | 0.52 |
| 5     | 0.63                                     | 0.61 | 0.59 | 0.63 | 0.60 | 0.58 | 0.63 | 0.59 | 0.55 | 0.62 | 0.57 | 0.53 | 0.60 | 0.54 | 0.50 | 0.46 |
| 6     | 0.56                                     | 0.54 | 0.52 | 0.57 | 0.54 | 0.51 | 0.57 | 0.52 | 0.49 | 0.57 | 0.51 | 0.47 | 0.55 | 0.49 | 0.44 | 0.41 |
| 7     | 0.51                                     | 0.48 | 0.47 | 0.51 | 0.48 | 0.46 | 0.52 | 0.47 | 0.44 | 0.52 | 0.46 | 0.42 | 0.51 | 0.45 | 0.40 | 0.37 |
| 8     | 0.46                                     | 0.44 | 0.42 | 0.47 | 0.44 | 0.41 | 0.47 | 0.43 | 0.40 | 0.48 | 0.42 | 0.38 | 0.47 | 0.41 | 0.36 | 0.33 |
| 9     | 0.42                                     | 0.40 | 0.38 | 0.43 | 0.40 | 0.38 | 0.44 | 0.39 | 0.36 | 0.44 | 0.38 | 0.35 | 0.44 | 0.38 | 0.33 | 0.30 |
| 10    | 0.39                                     | 0.36 | 0.35 | 0.39 | 0.36 | 0.34 | 0.40 | 0.36 | 0.33 | 0.41 | 0.35 | 0.32 | 0.41 | 0.35 | 0.30 | 0.27 |

## LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



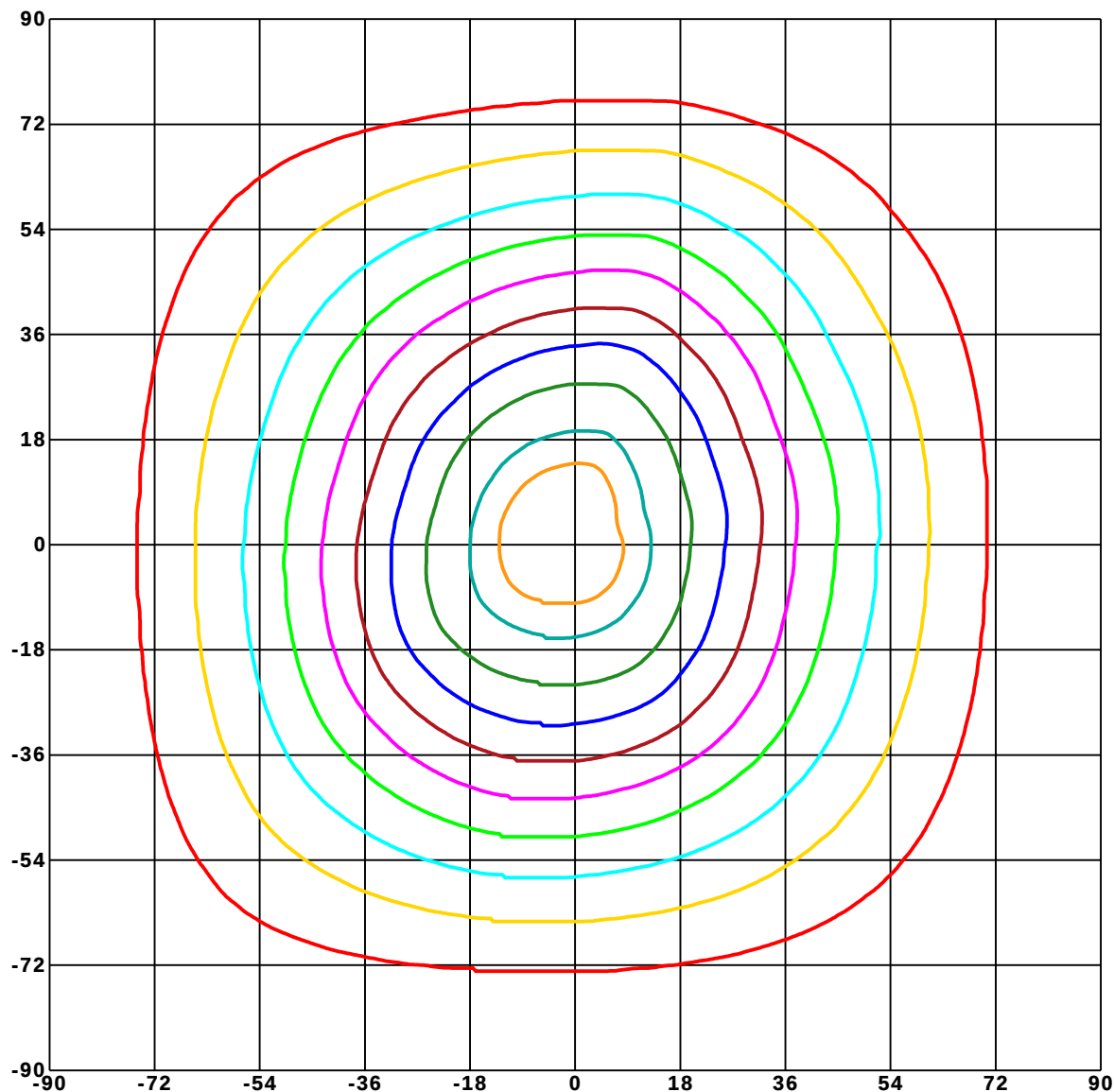
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## ISOCANDELA DIAGRAM (RECTANGULAR)



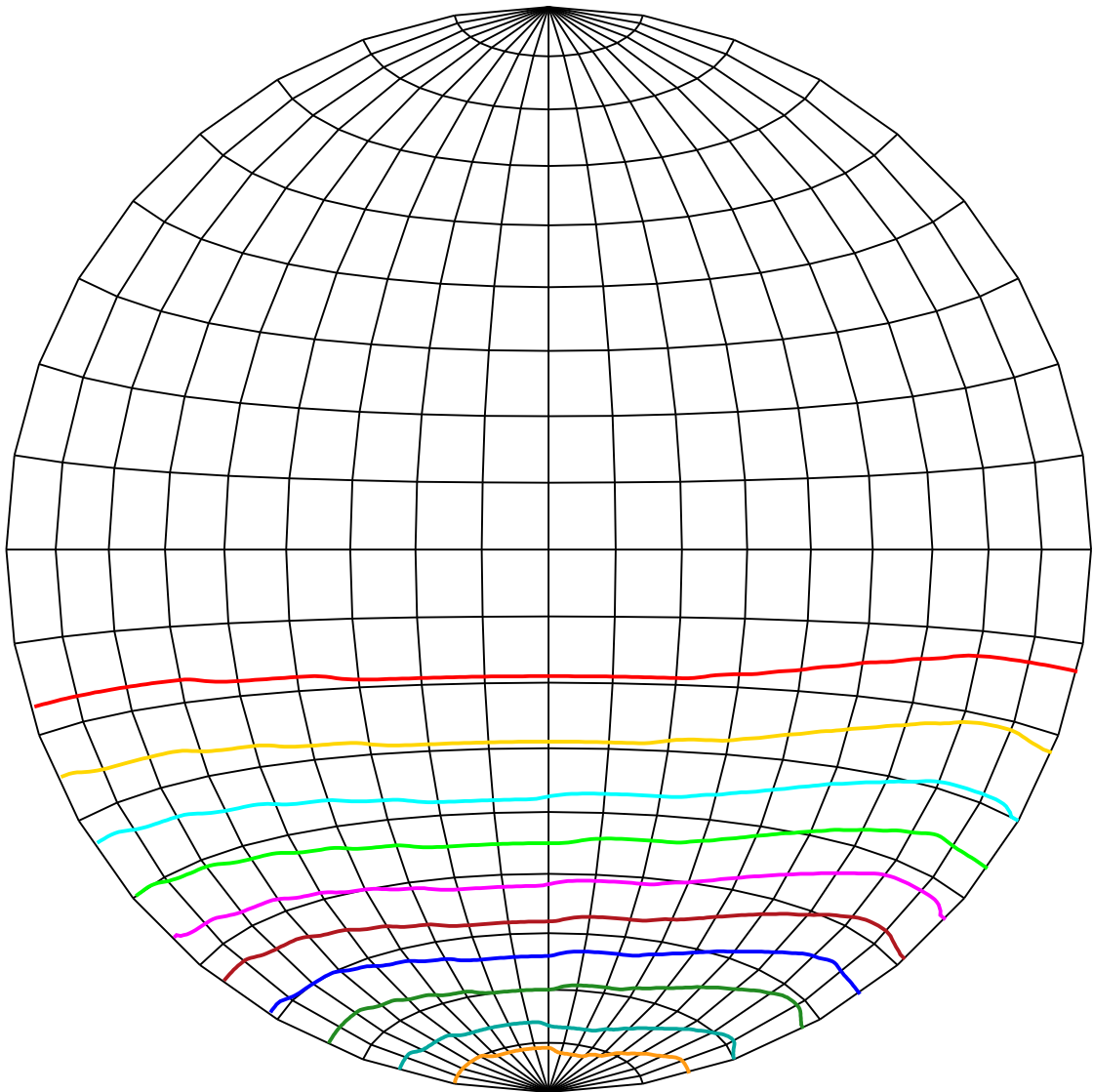
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

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## ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd      Imax(100%): 123.672 cd

61.836(50%Imax)

98.937(80%Imax)

111.305(90%Imax)

49.469(40%Imax)

37.102(30%Imax)

74.203(60%Imax)

117.488(95%Imax)

86.57(70%Imax)

24.734(20%Imax)

12.367(10%Imax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

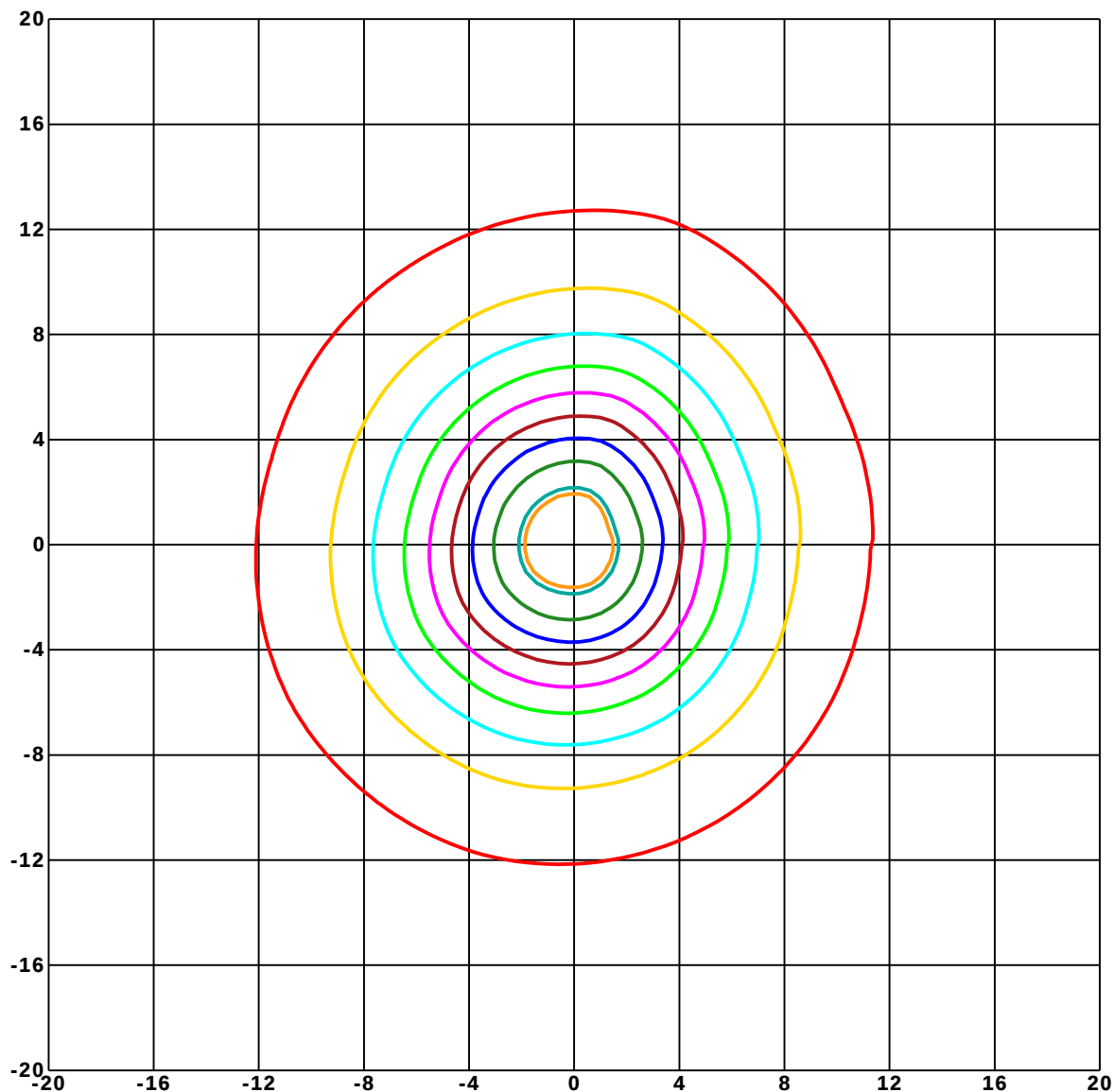
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## ISOLX DIAGRAM



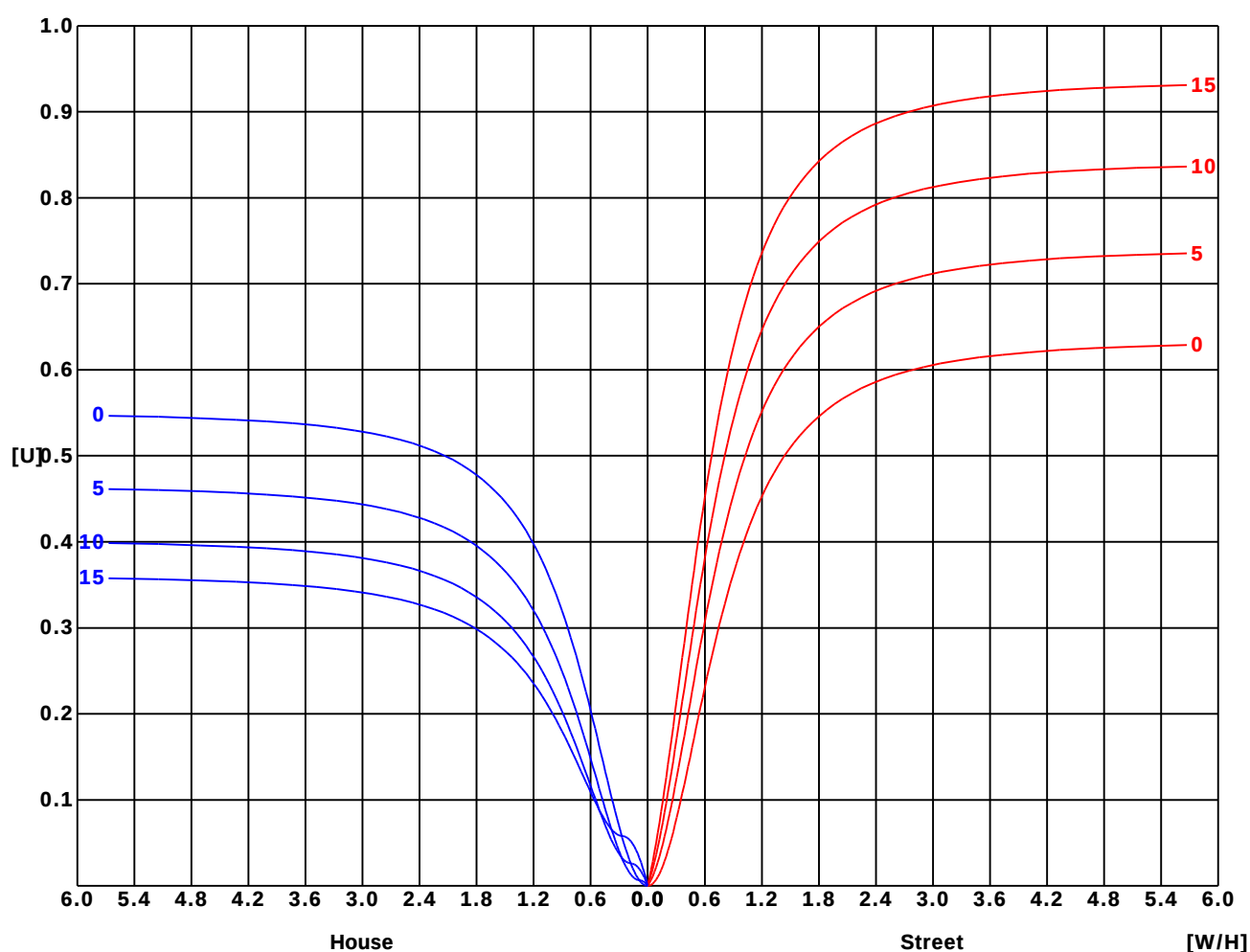
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

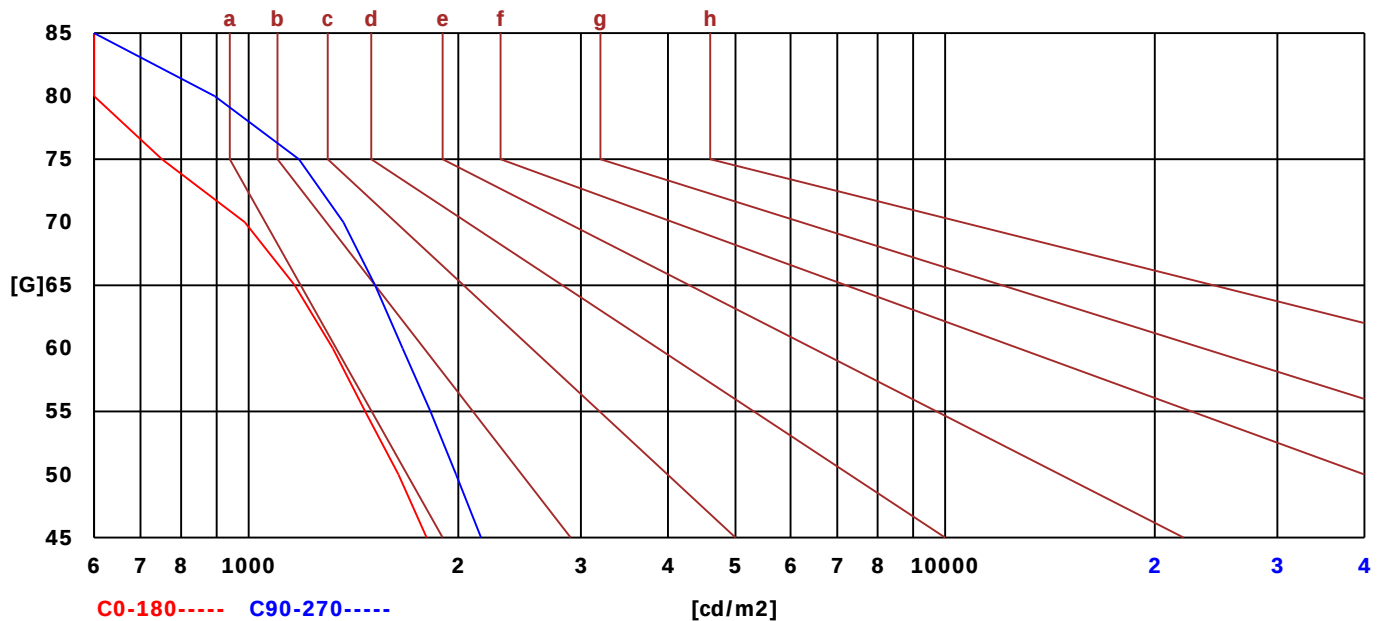
G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

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## BRIGHT LIMIT DIAGRAM

| C/G    | 45      | 50          | 55   | 60   | 65    | 70    | 75    | 80    | 85    |
|--------|---------|-------------|------|------|-------|-------|-------|-------|-------|
| C0     | 1801    | 1642        | 1471 | 1322 | 1165  | 988   | 751   | 377   | 0     |
| C90    | 2156    | 1986        | 1825 | 1664 | 1520  | 1368  | 1181  | 894   | 202   |
| Dazzle | Quality | Illuminance | ---  | ---  | ---   | ---   | ---   | ---   | ---   |
| 1.15   | A       | 2000        | 1000 | 500  | <=300 |       |       |       |       |
| 1.5    | B       |             | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85   | C       |             |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.2    | D       |             |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55   | E       |             |      |      |       | 2000  | 1000  | 500   | <=300 |
| ---    | ---     | a           | b    | c    | d     | e     | f     | g     | h     |



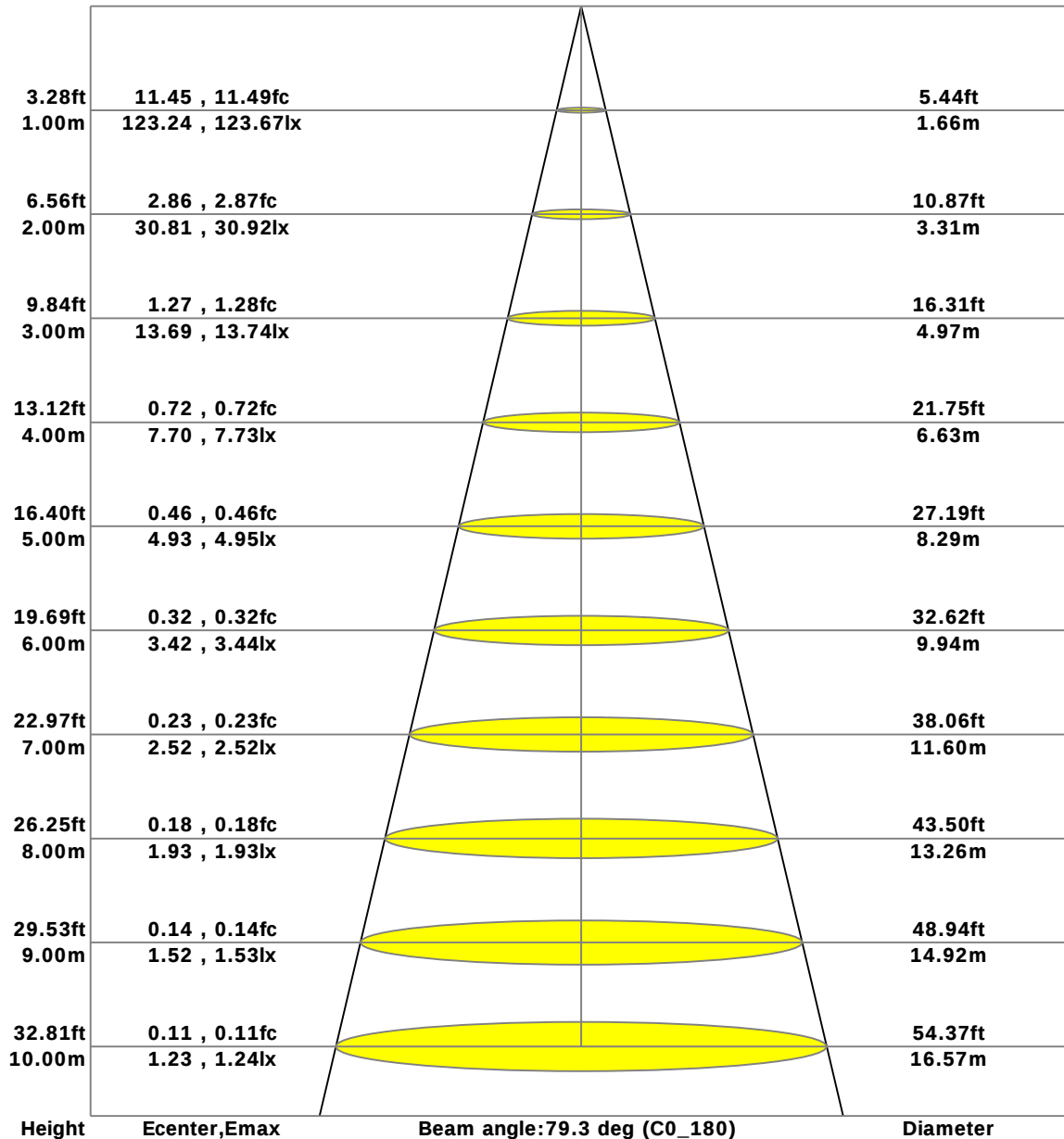
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## LX-DISTANCE DIAGRAM



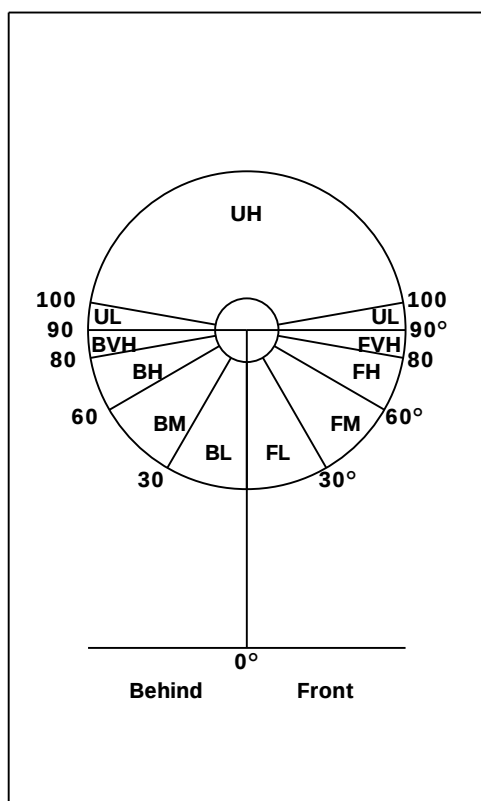
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

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## BUG Class



| Zonal         | Light Flux(lm) | Light Flux(%) |
|---------------|----------------|---------------|
| Front         | 127.1          | 50.3          |
| FL (0°-30°)   | 44.1           | 17.4          |
| FM (30°-60°)  | 64.4           | 25.5          |
| FH (60°-80°)  | 17.9           | 7.1           |
| FVH (80°-90°) | 0.7            | 0.3           |

|               |       |      |
|---------------|-------|------|
| Behind        | 125.4 | 49.7 |
| BL (0°-30°)   | 43.8  | 17.4 |
| BM (30°-60°)  | 63.5  | 25.2 |
| BH (60°-80°)  | 17.2  | 6.8  |
| BVH (80°-90°) | 0.8   | 0.3  |

|                |     |     |
|----------------|-----|-----|
| Above          | 0.0 | 0.0 |
| UL (90°-100°)  | 0.0 | 0.0 |
| UH (100°-180°) | 0.0 | 0.0 |

|             |    |    |
|-------------|----|----|
| Limit Light | NA | NA |
|-------------|----|----|

| BUG Class(TM-15-07)                                      |          |
|----------------------------------------------------------|----------|
| Asymmetric Lighting Fixtures<br>(Type I , II , III , IV) | B0 U0 G0 |
| Symmetrical Lighting Fixtures<br>(Type V , Area Light)   | B0 U0 G0 |

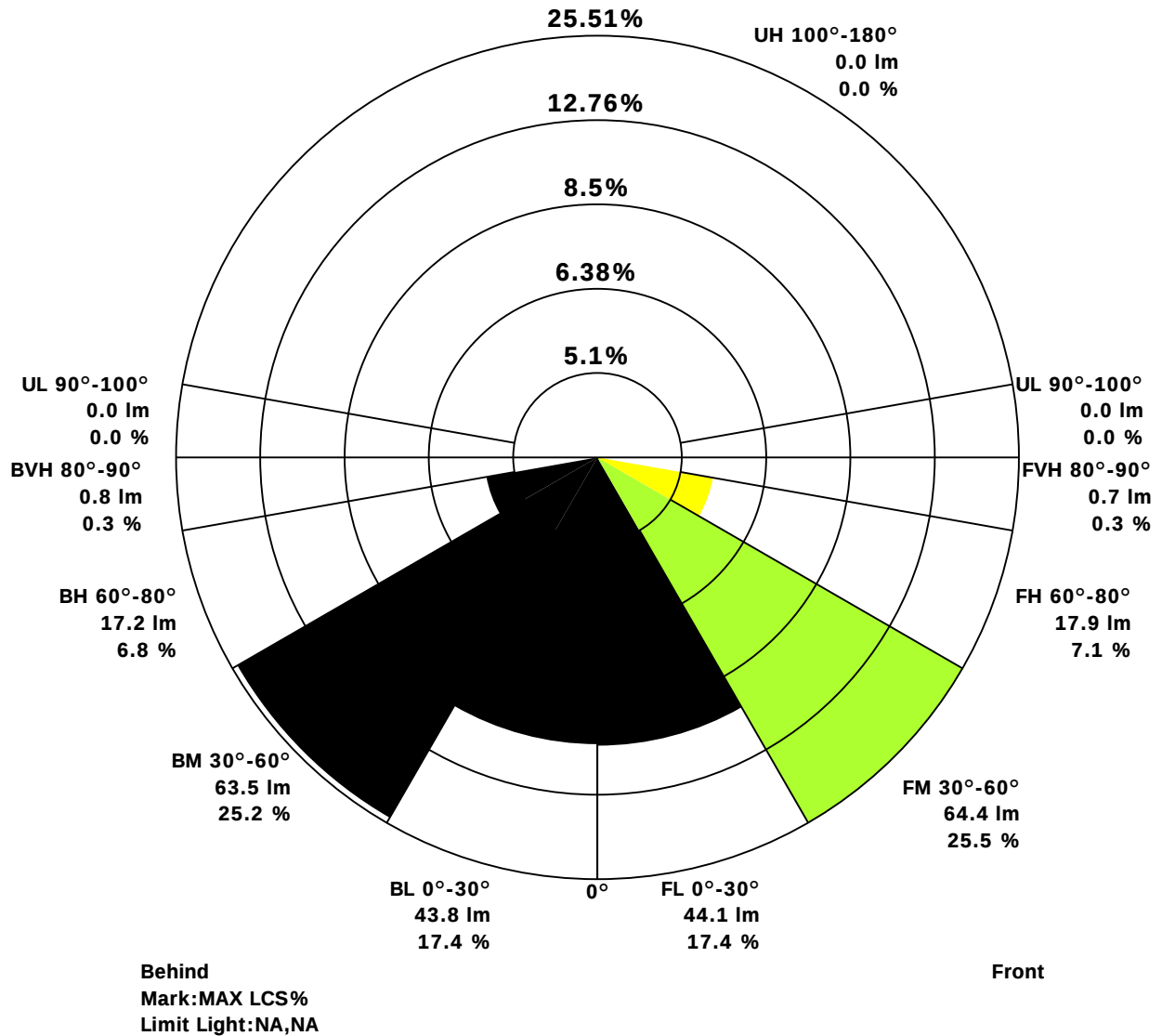
C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## LCS 图



C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

UGR(Unified Glare Rating) TABLE

|                  |     |                |       |       |       |       |                  |       |       |       |       |
|------------------|-----|----------------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|
| RHOCC            |     | 70             | 70    | 50    | 50    | 30    | 70               | 70    | 50    | 50    | 30    |
| RHOW             |     | 50             | 30    | 50    | 30    | 30    | 50               | 30    | 50    | 30    | 30    |
| RHOF             |     | 20             | 20    | 20    | 20    | 20    | 20               | 20    | 20    | 20    | 20    |
| Room Size<br>X Y |     | Viewed Endwise |       |       |       |       | Viewed Crosswise |       |       |       |       |
| 2H               | 2H  | 14.33          | 14.97 | 14.21 | 15.11 | 15.31 | 15.76            | 16.40 | 15.64 | 16.54 | 16.74 |
|                  | 3H  | 14.14          | 14.73 | 14.08 | 14.91 | 15.16 | 15.45            | 16.03 | 15.38 | 16.21 | 16.46 |
|                  | 4H  | 13.98          | 14.54 | 13.96 | 14.74 | 15.02 | 15.25            | 15.81 | 15.22 | 16.01 | 16.29 |
|                  | 6H  | 13.78          | 14.31 | 13.79 | 14.53 | 14.84 | 15.04            | 15.56 | 15.05 | 15.78 | 16.09 |
|                  | 8H  | 13.67          | 14.18 | 13.71 | 14.41 | 14.74 | 14.93            | 15.43 | 14.96 | 15.67 | 16.00 |
|                  | 12H | 13.56          | 14.05 | 13.62 | 14.29 | 14.64 | 14.81            | 15.30 | 14.87 | 15.55 | 15.89 |
| 4H               | 2H  | 15.27          | 15.83 | 15.25 | 16.03 | 16.31 | 17.50            | 18.06 | 17.47 | 18.25 | 18.53 |
|                  | 3H  | 15.15          | 15.64 | 15.21 | 15.89 | 16.24 | 17.25            | 17.74 | 17.31 | 17.98 | 18.33 |
|                  | 4H  | 15.02          | 15.47 | 15.13 | 15.74 | 16.13 | 17.05            | 17.50 | 17.16 | 17.77 | 18.15 |
|                  | 6H  | 14.82          | 15.22 | 14.98 | 15.52 | 15.95 | 16.82            | 17.22 | 16.98 | 17.52 | 17.95 |
|                  | 8H  | 14.71          | 15.08 | 14.90 | 15.40 | 15.85 | 16.70            | 17.07 | 16.89 | 17.39 | 17.84 |
|                  | 12H | 14.59          | 14.93 | 14.80 | 15.26 | 15.73 | 16.58            | 16.92 | 16.79 | 17.25 | 17.72 |
| 8H               | 4H  | 15.10          | 15.61 | 15.14 | 15.84 | 16.17 | 17.61            | 18.12 | 17.65 | 18.35 | 18.68 |
|                  | 6H  | 14.65          | 14.97 | 14.90 | 15.31 | 15.81 | 17.00            | 17.31 | 17.25 | 17.66 | 18.15 |
|                  | 8H  | 14.54          | 14.82 | 14.82 | 15.18 | 15.70 | 16.88            | 17.16 | 17.16 | 17.52 | 18.04 |
|                  | 12H | 14.42          | 14.66 | 14.73 | 15.04 | 15.58 | 16.76            | 17.00 | 17.07 | 17.38 | 17.92 |
| 12H              | 4H  | 14.72          | 15.07 | 14.94 | 15.40 | 15.87 | 17.13            | 17.47 | 17.35 | 17.80 | 18.27 |
|                  | 6H  | 14.53          | 14.81 | 14.81 | 15.17 | 15.69 | 16.90            | 17.18 | 17.18 | 17.54 | 18.06 |

C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

**G Range: 0 - 90 Deg**  
**G Interval: 1.0 Deg**  
**Test System: Huipu CPM-2000B Goniophotometer**  
**Humidity: 65**  
**Test Distance: 6.25 m**  
**Remarks:**

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ZONAL LUMINOUS FLUX TABLE-2

| γ  | C0    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ  | φ zonal | φ total | %lum  | %lamp |
|----|-------|-------|-------|-------|-------|-------|-------|-------|----|---------|---------|-------|-------|
| 10 | 115.4 | 115.2 | 120.6 | 120.3 | 120.1 | 119.8 | 117.5 | 117.0 | 10 | 11.5    | 11.5    | 4.6   | 4.6   |
| 20 | 97.8  | 100.4 | 111.8 | 109.7 | 107.3 | 109.5 | 106.1 | 103.8 | 20 | 31.7    | 43.2    | 17.1  | 17.1  |
| 30 | 76.6  | 80.5  | 96.7  | 91.7  | 87.2  | 92.9  | 88.9  | 84.9  | 30 | 44.6    | 87.9    | 34.8  | 34.8  |
| 40 | 56.4  | 60.4  | 77.9  | 71.1  | 65.9  | 71.9  | 69.5  | 64.6  | 40 | 48.3    | 136.2   | 53.9  | 53.9  |
| 50 | 39.3  | 42.2  | 58.0  | 51.1  | 46.8  | 51.5  | 50.9  | 45.5  | 50 | 44.4    | 180.6   | 71.5  | 71.5  |
| 60 | 24.8  | 26.4  | 38.9  | 33.3  | 30.2  | 34.2  | 32.8  | 29.1  | 60 | 35.2    | 215.8   | 85.5  | 85.5  |
| 70 | 12.5  | 13.5  | 22.6  | 18.7  | 17.4  | 19.2  | 16.9  | 15.3  | 70 | 23.7    | 239.5   | 94.9  | 94.9  |
| 80 | 2.7   | 2.6   | 7.1   | 6.2   | 6.3   | 7.3   | 4.2   | 4.1   | 80 | 11.5    | 251.0   | 99.4  | 99.4  |
| 90 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 90 | 1.5     | 252.5   | 100.0 | 100.0 |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |
|    |       |       |       |       |       |       |       |       |    |         |         |       |       |

Conical surface Flux(90deg) : 159.3 lm

%lum = 63.1%

%lamp = 63.1%

Conical surface Flux(120deg) : 215.8 lm

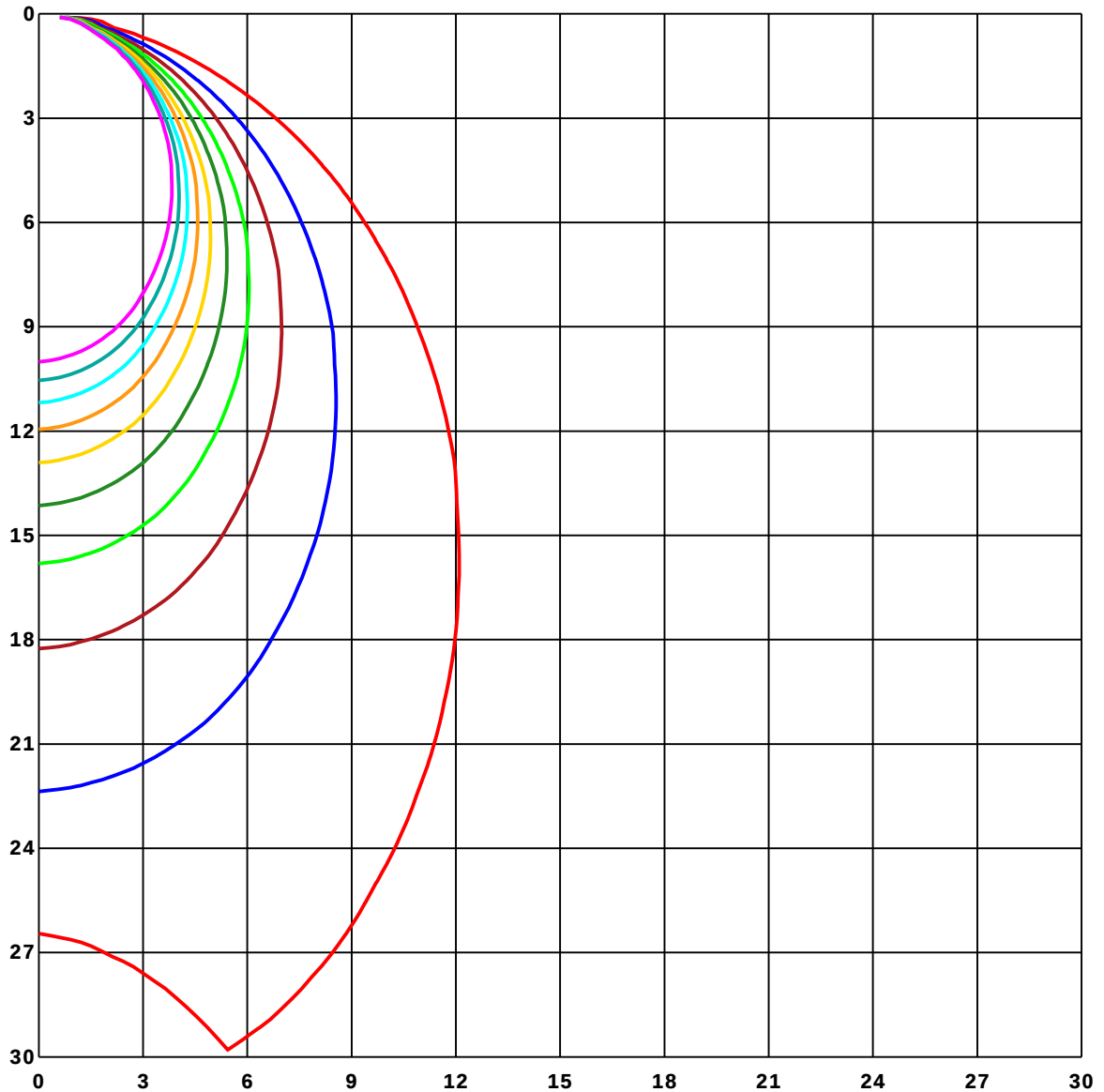
%lum = 85.5%

%lamp = 85.5%

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## SPACE ISOLX DIAGRAM



Unit of illumination:lx

1.232  
1.109  
0.986  
0.863  
0.739

0.616  
0.493  
0.37  
0.246  
0.123

C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

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Test Time: 2025/5/23 9:45:23

## LUMINOUS DISTRIBUTION INTENSITY DATA

| Gamma/C | C0     | C45    | C90    | C135   | C180   | C225   | C270   | C315   | C360   |  |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| G0      | 123.24 | 122.07 | 122.7  | 123.05 | 123.24 | 122.07 | 122.7  | 123.05 | 123.24 |  |
| G1      | 122.81 | 121.56 | 122.5  | 123.2  | 123.48 | 122.11 | 122.11 | 123.09 | 122.81 |  |
| G2      | 122.54 | 121.37 | 122.85 | 123.28 | 123.63 | 122.42 | 121.95 | 122.54 | 122.54 |  |
| G3      | 121.99 | 120.63 | 122.66 | 123.52 | 123.67 | 122.5  | 121.8  | 122.3  | 121.99 |  |
| G4      | 121.17 | 120.2  | 122.81 | 122.97 | 123.36 | 122.15 | 121.6  | 121.99 | 121.17 |  |
| G5      | 120.63 | 119.61 | 122.27 | 123.01 | 123.13 | 121.84 | 121.05 | 121.13 | 120.63 |  |
| G6      | 119.69 | 119.1  | 122.3  | 122.58 | 122.58 | 121.84 | 120.43 | 120.27 | 119.69 |  |
| G7      | 118.87 | 118.13 | 121.68 | 122.11 | 122.23 | 121.56 | 119.53 | 119.65 | 118.87 |  |
| G8      | 117.73 | 117.23 | 121.29 | 121.6  | 121.99 | 120.94 | 119.34 | 118.63 | 117.73 |  |
| G9      | 116.6  | 115.98 | 120.82 | 121.13 | 121.05 | 120.39 | 118.52 | 118.01 | 116.6  |  |
| G10     | 115.35 | 115.23 | 120.59 | 120.31 | 120.12 | 119.8  | 117.54 | 117.03 | 115.35 |  |
| G11     | 114.02 | 113.91 | 119.88 | 119.88 | 119.26 | 119.18 | 116.68 | 115.9  | 114.02 |  |
| G12     | 112.66 | 112.66 | 119.41 | 118.79 | 118.59 | 118.44 | 115.94 | 114.69 | 112.66 |  |
| G13     | 111.29 | 111.17 | 118.32 | 118.16 | 117.46 | 117.46 | 114.84 | 113.55 | 111.29 |  |
| G14     | 109.53 | 110.04 | 117.77 | 117.23 | 116.21 | 116.52 | 113.87 | 112.15 | 109.53 |  |
| G15     | 107.81 | 108.67 | 116.91 | 116.05 | 115.23 | 115.51 | 112.62 | 110.98 | 107.81 |  |
| G16     | 105.82 | 107.11 | 115.82 | 115.27 | 113.79 | 114.41 | 111.56 | 109.53 | 105.82 |  |
| G17     | 104.14 | 105.47 | 114.92 | 113.83 | 112.54 | 113.44 | 110.12 | 108.05 | 104.14 |  |
| G18     | 102.07 | 103.83 | 114.06 | 112.38 | 110.66 | 112.23 | 108.91 | 106.72 | 102.07 |  |
| G19     | 100.04 | 102.15 | 112.89 | 111.21 | 109.14 | 110.9  | 107.19 | 105.66 | 100.04 |  |
| G20     | 97.77  | 100.39 | 111.8  | 109.73 | 107.34 | 109.53 | 106.05 | 103.83 | 97.77  |  |
| G21     | 95.51  | 98.83  | 110.66 | 108.87 | 105.74 | 108.16 | 104.22 | 102.38 | 95.51  |  |
| G22     | 93.44  | 96.8   | 109.02 | 106.6  | 103.63 | 107.03 | 102.7  | 100.7  | 93.44  |  |
| G23     | 91.48  | 94.8   | 107.5  | 105.16 | 102.03 | 105.47 | 101.09 | 98.95  | 91.48  |  |
| G24     | 89.22  | 92.93  | 106.6  | 103.36 | 100.12 | 103.95 | 99.45  | 96.91  | 89.22  |  |
| G25     | 87.23  | 90.82  | 104.88 | 101.76 | 97.85  | 102.15 | 97.54  | 95.04  | 87.23  |  |
| G26     | 84.84  | 88.75  | 103.24 | 99.8   | 95.9   | 100.31 | 96.13  | 92.93  | 84.84  |  |
| G27     | 82.93  | 86.56  | 101.8  | 97.89  | 93.87  | 98.48  | 94.1   | 91.02  | 82.93  |  |
| G28     | 80.82  | 84.57  | 100.04 | 95.78  | 91.45  | 96.6   | 92.66  | 88.87  | 80.82  |  |
| G29     | 78.79  | 82.42  | 98.2   | 94.18  | 89.41  | 94.92  | 90.55  | 87.3   | 78.79  |  |
| G30     | 76.56  | 80.47  | 96.72  | 91.72  | 87.19  | 92.89  | 88.95  | 84.92  | 76.56  |  |
| G31     | 74.49  | 78.32  | 94.61  | 89.92  | 85.12  | 90.7   | 86.99  | 82.89  | 74.49  |  |
| G32     | 72.5   | 76.25  | 93.01  | 87.62  | 82.73  | 88.83  | 85.31  | 80.78  | 72.5   |  |
| G33     | 70.47  | 74.22  | 91.33  | 85.59  | 80.78  | 86.84  | 83.55  | 78.87  | 70.47  |  |
| G34     | 68.36  | 72.23  | 89.34  | 83.52  | 78.4   | 84.53  | 81.41  | 77.03  | 68.36  |  |
| G35     | 66.33  | 70.08  | 87.23  | 81.48  | 76.45  | 82.5   | 79.38  | 74.92  | 66.33  |  |
| G36     | 64.18  | 68.16  | 85.55  | 79.38  | 74.26  | 80.55  | 77.62  | 72.77  | 64.18  |  |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/5/23 9:45:23

## LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

| Gamma/C | C0    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | C360  |  |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| G37     | 62.38 | 66.21 | 83.63 | 77.34 | 72.3  | 78.24 | 75.39 | 70.9  | 62.38 |  |
| G38     | 60.27 | 64.18 | 81.64 | 75.16 | 70.04 | 76.25 | 73.67 | 68.63 | 60.27 |  |
| G39     | 58.36 | 62.11 | 79.65 | 73.2  | 68.05 | 74.1  | 71.52 | 66.99 | 58.36 |  |
| G40     | 56.45 | 60.35 | 77.89 | 71.09 | 65.86 | 71.88 | 69.53 | 64.65 | 56.45 |  |
| G41     | 54.77 | 58.44 | 75.7  | 69.22 | 63.95 | 69.69 | 67.54 | 62.62 | 54.77 |  |
| G42     | 53.24 | 56.64 | 73.95 | 67.11 | 61.91 | 67.66 | 65.7  | 60.55 | 53.24 |  |
| G43     | 51.76 | 54.53 | 72.11 | 65.04 | 60.04 | 65.43 | 63.95 | 58.67 | 51.76 |  |
| G44     | 49.8  | 52.93 | 70.0  | 63.05 | 58.16 | 63.4  | 62.27 | 56.72 | 49.8  |  |
| G45     | 48.01 | 50.94 | 68.05 | 60.98 | 56.13 | 61.25 | 60.51 | 54.69 | 48.01 |  |
| G46     | 46.21 | 49.26 | 66.09 | 59.06 | 54.26 | 59.34 | 58.63 | 52.77 | 46.21 |  |
| G47     | 44.49 | 47.34 | 64.1  | 57.03 | 52.46 | 57.34 | 56.64 | 50.9  | 44.49 |  |
| G48     | 42.73 | 45.74 | 62.19 | 54.88 | 50.51 | 55.31 | 54.73 | 49.02 | 42.73 |  |
| G49     | 41.02 | 43.79 | 60.04 | 53.13 | 48.63 | 53.4  | 52.81 | 47.23 | 41.02 |  |
| G50     | 39.3  | 42.23 | 58.01 | 51.05 | 46.76 | 51.52 | 50.94 | 45.47 | 39.3  |  |
| G51     | 37.77 | 40.39 | 56.13 | 49.26 | 44.84 | 49.65 | 48.87 | 43.79 | 37.77 |  |
| G52     | 36.17 | 38.71 | 54.14 | 47.19 | 43.16 | 47.77 | 47.07 | 41.95 | 36.17 |  |
| G53     | 34.77 | 37.07 | 51.99 | 45.43 | 41.33 | 45.9  | 45.16 | 40.27 | 34.77 |  |
| G54     | 33.2  | 35.47 | 50.2  | 43.48 | 39.57 | 44.18 | 43.44 | 38.63 | 33.2  |  |
| G55     | 31.72 | 33.75 | 48.16 | 41.88 | 37.93 | 42.38 | 41.52 | 36.88 | 31.72 |  |
| G56     | 30.23 | 32.23 | 46.33 | 40.04 | 36.45 | 40.74 | 39.69 | 35.27 | 30.23 |  |
| G57     | 28.95 | 30.82 | 44.41 | 38.4  | 34.73 | 38.98 | 37.93 | 33.75 | 28.95 |  |
| G58     | 27.5  | 29.26 | 42.66 | 36.64 | 33.28 | 37.42 | 36.25 | 32.11 | 27.5  |  |
| G59     | 26.21 | 27.77 | 40.7  | 35.0  | 31.8  | 35.86 | 34.41 | 30.74 | 26.21 |  |
| G60     | 24.84 | 26.45 | 38.95 | 33.28 | 30.2  | 34.18 | 32.77 | 29.1  | 24.84 |  |
| G61     | 23.59 | 25.04 | 37.11 | 31.88 | 28.87 | 32.7  | 31.29 | 27.66 | 23.59 |  |
| G62     | 22.19 | 23.71 | 35.47 | 30.2  | 27.42 | 31.05 | 29.45 | 26.21 | 22.19 |  |
| G63     | 21.02 | 22.34 | 33.75 | 28.59 | 26.17 | 29.45 | 27.81 | 24.84 | 21.02 |  |
| G64     | 19.69 | 21.02 | 32.11 | 27.15 | 24.84 | 27.97 | 26.21 | 23.44 | 19.69 |  |
| G65     | 18.52 | 19.69 | 30.43 | 25.7  | 23.52 | 26.45 | 24.49 | 21.99 | 18.52 |  |
| G66     | 17.23 | 18.48 | 28.87 | 24.38 | 22.19 | 24.96 | 22.97 | 20.59 | 17.23 |  |
| G67     | 15.98 | 17.23 | 27.19 | 22.85 | 20.98 | 23.59 | 21.37 | 19.3  | 15.98 |  |
| G68     | 14.84 | 15.98 | 25.66 | 21.52 | 19.73 | 22.11 | 19.88 | 17.89 | 14.84 |  |
| G69     | 13.67 | 14.69 | 24.1  | 20.12 | 18.67 | 20.86 | 18.32 | 16.64 | 13.67 |  |
| G70     | 12.5  | 13.52 | 22.62 | 18.71 | 17.38 | 19.22 | 16.88 | 15.27 | 12.5  |  |
| G71     | 11.45 | 12.42 | 21.02 | 17.5  | 16.09 | 18.01 | 15.39 | 13.98 | 11.45 |  |
| G72     | 10.35 | 11.21 | 19.65 | 16.05 | 15.04 | 16.84 | 13.98 | 12.7  | 10.35 |  |
| G73     | 9.3   | 10.0  | 18.13 | 14.8  | 13.79 | 15.35 | 12.62 | 11.56 | 9.3   |  |

C Range: 0 - 360 Deg  
C Interval: 45.0 Deg  
Test Speed: High  
Temperature: 25  
Operators:  
Test Date: 2025/5/23 9:45:23

G Range: 0 - 90 Deg  
G Interval: 1.0 Deg  
Test System: Huipu CPM-2000B Goniophotometer  
Humidity: 65  
Test Distance: 6.25 m  
Remarks:

