

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 176.8 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 180.0V x 180.0H |
|             | At 50% of Imax | 180.0V x 180.0H |
|             | At 90% of Imax | 180.0V x 180.0H |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.0 lumens per klm. |
|           | To 10% of Imax | 1000.0 lumens per klm. |
|           | To 50% of Imax | 1000.0 lumens per klm. |
|           | To 90% of Imax | 675.7 lumens per klm.  |

|              |         |
|--------------|---------|
| Upward LOR   | 0.0 %   |
| Downward LOR | 100.0 % |

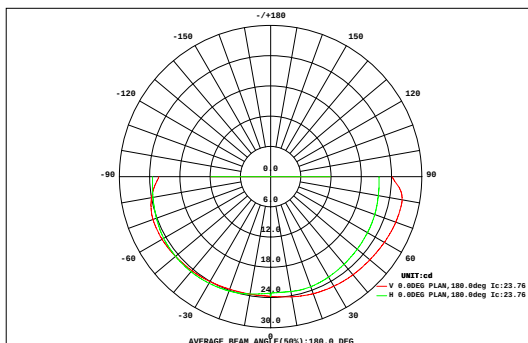
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-09-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293  
Humidity:65.0%  
Test Distance:6.350m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:221.9V I:0.0786A P:5.787W PF:0.3317 Lamp Flux:150.109x1 lm |       |                  |
| NAME: 691274-4000K-360-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |



| DATA OF LAMP     |                     | Eff:25.94lm/W   |            |
|------------------|---------------------|-----------------|------------|
| MODEL            | 691274-4000K-360-5W | Imax(cd)        | 26.54      |
| NOMINAL POWER(W) | 5                   | AVAILABILITY(%) | 100.0      |
| RATED VOLTAGE(V) | 220                 | Avai. FLUX(lm)  | 150.1      |
| NOMINAL FLUX(lm) | 150.109             | LOR(%)          | 100.0      |
| LAMPS INSIDE     | 1                   | TOTAL FLUX(lm)  | 150.1      |
| TEST VOLTAGE(V)  | 220                 | θ @50%(H,V)     | 180,180DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.06              | 0.17 | 0.29 | 0.39 | 0.47 | 0.54 | 0.59 | 0.63 | 0.65             | 0.66 | 0.65 | 0.62 | 0.56 | 0.49 | 0.41 | 0.30 | 0.19    | 0.06 | 7.73 | 7.73 |
| 90             | 0.06              | 0.17 | 0.29 | 0.39 | 0.47 | 0.54 | 0.59 | 0.63 | 0.65             | 0.66 | 0.65 | 0.62 | 0.56 | 0.49 | 0.41 | 0.30 | 0.19    | 0.06 | 7.73 | 7.73 |
| 80             | 0.06              | 0.18 | 0.30 | 0.40 | 0.47 | 0.54 | 0.60 | 0.64 | 0.66             | 0.67 | 0.65 | 0.62 | 0.57 | 0.50 | 0.41 | 0.31 | 0.19    | 0.06 | 7.84 | 7.84 |
| 70             | 0.06              | 0.18 | 0.30 | 0.40 | 0.48 | 0.55 | 0.61 | 0.65 | 0.67             | 0.67 | 0.66 | 0.63 | 0.58 | 0.51 | 0.42 | 0.31 | 0.19    | 0.06 | 7.93 | 7.93 |
| 60             | 0.06              | 0.18 | 0.30 | 0.40 | 0.49 | 0.56 | 0.61 | 0.65 | 0.67             | 0.68 | 0.67 | 0.63 | 0.58 | 0.51 | 0.42 | 0.31 | 0.19    | 0.07 | 8.02 | 8.02 |
| 50             | 0.06              | 0.19 | 0.31 | 0.41 | 0.50 | 0.57 | 0.62 | 0.66 | 0.68             | 0.69 | 0.67 | 0.64 | 0.59 | 0.52 | 0.43 | 0.32 | 0.20    | 0.07 | 8.11 | 8.11 |
| 40             | 0.06              | 0.19 | 0.31 | 0.42 | 0.51 | 0.58 | 0.63 | 0.67 | 0.69             | 0.69 | 0.68 | 0.65 | 0.60 | 0.52 | 0.43 | 0.32 | 0.20    | 0.07 | 8.21 | 8.21 |
| 30             | 0.06              | 0.19 | 0.31 | 0.42 | 0.51 | 0.58 | 0.64 | 0.68 | 0.70             | 0.70 | 0.69 | 0.66 | 0.60 | 0.53 | 0.43 | 0.33 | 0.20    | 0.07 | 8.30 | 8.30 |
| 20             | 0.06              | 0.19 | 0.31 | 0.42 | 0.51 | 0.58 | 0.64 | 0.68 | 0.70             | 0.71 | 0.70 | 0.66 | 0.61 | 0.53 | 0.44 | 0.33 | 0.20    | 0.07 | 8.37 | 8.37 |
| 10             | 0.06              | 0.19 | 0.32 | 0.43 | 0.52 | 0.60 | 0.65 | 0.69 | 0.70             | 0.70 | 0.70 | 0.67 | 0.62 | 0.54 | 0.45 | 0.33 | 0.21    | 0.07 | 8.46 | 8.46 |
| 0              | 0.06              | 0.19 | 0.32 | 0.43 | 0.52 | 0.60 | 0.65 | 0.68 | 0.71             | 0.72 | 0.72 | 0.69 | 0.63 | 0.55 | 0.45 | 0.34 | 0.21    | 0.07 | 8.53 | 8.53 |
| -10            | 0.06              | 0.19 | 0.31 | 0.42 | 0.52 | 0.60 | 0.66 | 0.70 | 0.73             | 0.73 | 0.72 | 0.69 | 0.63 | 0.55 | 0.45 | 0.34 | 0.21    | 0.07 | 8.59 | 8.59 |
| -20            | 0.06              | 0.19 | 0.31 | 0.42 | 0.52 | 0.61 | 0.67 | 0.71 | 0.74             | 0.74 | 0.73 | 0.70 | 0.64 | 0.55 | 0.46 | 0.34 | 0.21    | 0.07 | 8.65 | 8.65 |
| -30            | 0.06              | 0.19 | 0.30 | 0.42 | 0.53 | 0.61 | 0.68 | 0.72 | 0.74             | 0.75 | 0.73 | 0.70 | 0.64 | 0.56 | 0.46 | 0.34 | 0.21    | 0.07 | 8.68 | 8.68 |
| -40            | 0.06              | 0.18 | 0.30 | 0.42 | 0.53 | 0.61 | 0.68 | 0.72 | 0.75             | 0.75 | 0.73 | 0.70 | 0.64 | 0.56 | 0.46 | 0.34 | 0.20    | 0.07 | 8.70 | 8.70 |
| -50            | 0.06              | 0.18 | 0.30 | 0.42 | 0.53 | 0.61 | 0.68 | 0.72 | 0.74             | 0.75 | 0.73 | 0.70 | 0.64 | 0.56 | 0.46 | 0.34 | 0.20    | 0.07 | 8.68 | 8.68 |
| -60            | 0.06              | 0.18 | 0.30 | 0.42 | 0.53 | 0.61 | 0.67 | 0.71 | 0.74             | 0.74 | 0.72 | 0.69 | 0.63 | 0.55 | 0.45 | 0.33 | 0.20    | 0.07 | 8.61 | 8.61 |
| -70            | 0.06              | 0.17 | 0.30 | 0.41 | 0.52 | 0.60 | 0.66 | 0.70 | 0.72             | 0.73 | 0.71 | 0.68 | 0.62 | 0.54 | 0.45 | 0.33 | 0.20    | 0.07 | 8.45 | 8.45 |
| -80            | 0.06              | 0.16 | 0.28 | 0.40 | 0.50 | 0.58 | 0.65 | 0.69 | 0.71             | 0.72 | 0.70 | 0.66 | 0.61 | 0.53 | 0.43 | 0.32 | 0.19    | 0.06 | 8.26 | 8.26 |
| -90            | 0.06              | 0.16 | 0.28 | 0.40 | 0.50 | 0.58 | 0.65 | 0.69 | 0.71             | 0.72 | 0.70 | 0.66 | 0.61 | 0.53 | 0.43 | 0.32 | 0.19    | 0.06 | 8.26 | 8.26 |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90      |      |      |      |
| Φ t            | 1.08              | 3.29 | 5.48 | 7.47 | 9.16 | 10.5 | 11.6 | 12.3 | 12.7             | 12.8 | 12.6 | 12.0 | 11.0 | 9.61 | 7.90 | 5.87 | 3.60    | 1.20 | 150  | ---  |
| Φ a            | 1.08              | 3.29 | 5.48 | 7.47 | 9.16 | 10.5 | 11.6 | 12.3 | 12.7             | 12.8 | 12.6 | 12.0 | 11.0 | 9.61 | 7.90 | 5.87 | 3.60    | 1.20 | ---  | 150  |

one-half-peak spread: U:41.0,D:75.0 , L:24.0,R:12.0

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
 H(β) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-09-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293  
 Humidity:65.0%  
 Test Distance:6.350m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:221.9V I:0.0786A P:5.787W PF:0.3317 Lamp Flux:150.109x1 lm |       |                  |
| NAME: 691274-4000K-360-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |

Conical surface Flux(90deg):

44.073 lm

%lum = 29.4%

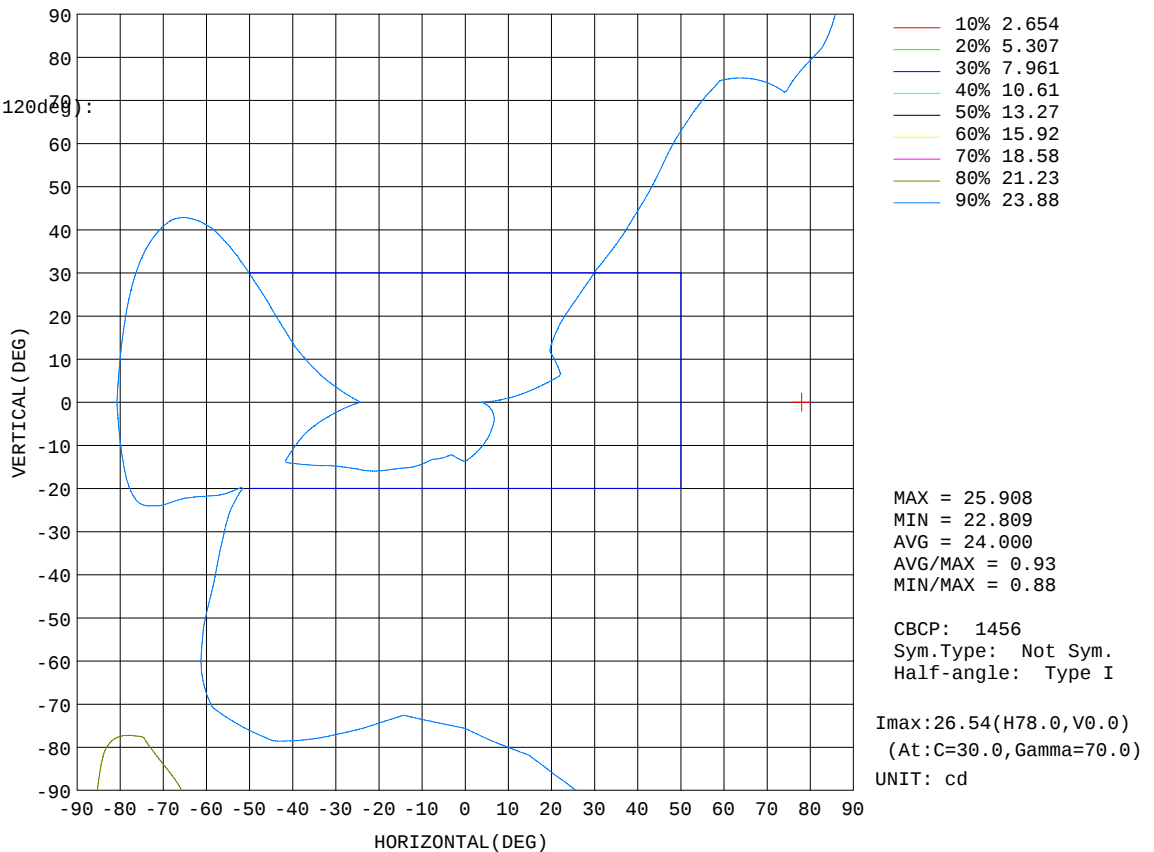
%lamp = 29.4%

Conical surface Flux(120deg):

75.545 lm

%lum = 50.3%

%lamp = 50.3%



H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2024-09-27

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293

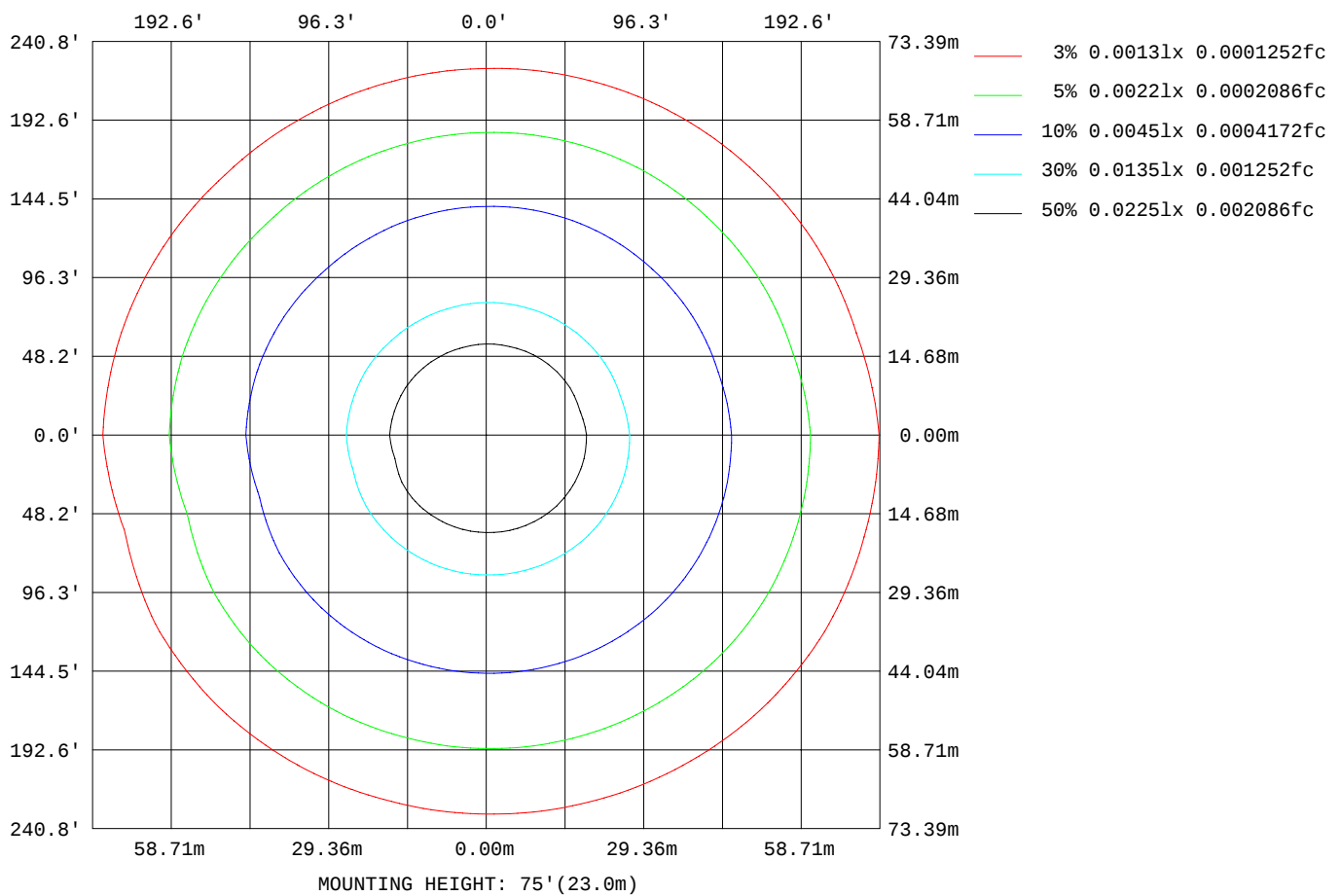
Humidity:65.0%

Test Distance:6.350m [K=1.0000]

Remarks:

## ISOLUX DIAGRAM

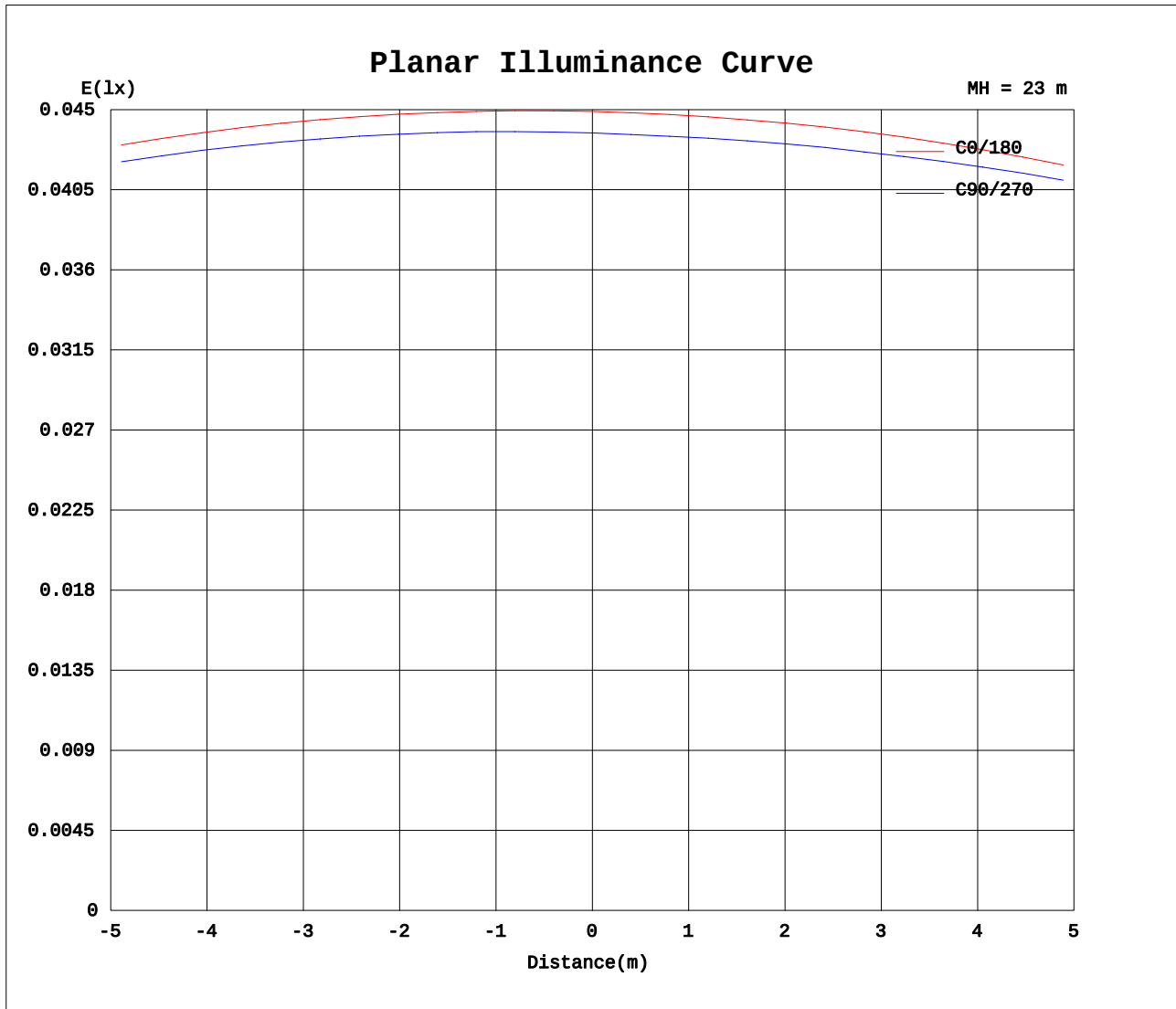
|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:221.9V I:0.0786A P:5.787W PF:0.3317 Lamp Flux:150.109x1 lm |       |                  |
| NAME: 691274-4000K-360-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |



H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-09-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293  
Humidity:65.0%  
Test Distance:6.350m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

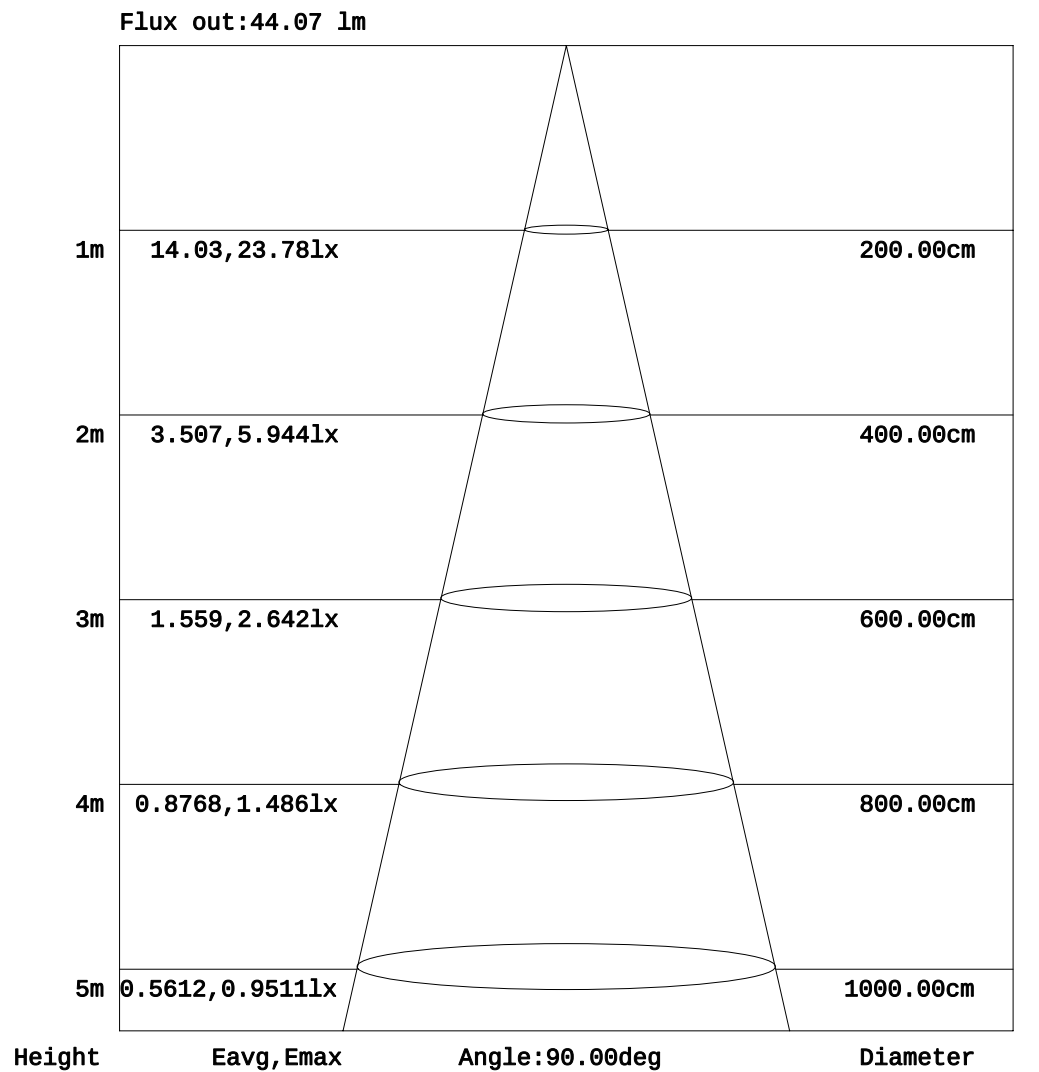


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-09-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293  
Humidity:65.0%  
Test Distance:6.350m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:221.9V I:0.0786A P:5.787W PF:0.3317 Lamp Flux:150.109x1 lm |       |                  |
| NAME: 691274-4000K-360-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-09-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293  
Humidity:65.0%  
Test Distance:6.350m [K=1.0000]  
Remarks:

Table--1

**LUMINOUS DISTRIBUTION INTENSITY DATA**

UNIT: cd

| H(°) \ V(°) | -90   | -75   | -60   | -45   | -30   | -20   | -15   | -10   | -9    | -8    | -7    | -6    | -5    | -4    | -3    |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -90         |       | 19.10 | 22.54 | 22.81 | 23.14 | 23.23 | 23.27 | 23.33 | 23.34 | 23.35 | 23.36 | 23.37 | 23.38 | 23.39 | 23.40 |
| -75         |       | 21.62 | 23.56 | 24.08 | 23.99 | 23.86 | 23.78 | 23.82 | 23.83 | 23.84 | 23.85 | 23.86 | 23.87 | 23.88 | 23.88 |
| -60         |       | 23.02 | 24.00 | 24.49 | 24.49 | 24.42 | 24.40 | 24.43 | 24.44 | 24.45 | 24.45 | 24.46 | 24.47 | 24.48 | 24.49 |
| -45         |       | 23.39 | 23.81 | 24.47 | 24.57 | 24.55 | 24.57 | 24.59 | 24.59 | 24.59 | 24.60 | 24.60 | 24.61 | 24.61 | 24.61 |
| -30         |       | 23.71 | 23.60 | 24.38 | 24.52 | 24.44 | 24.40 | 24.40 | 24.40 | 24.40 | 24.40 | 24.41 | 24.41 | 24.41 | 24.41 |
| -20         |       | 23.99 | 23.97 | 24.10 | 24.29 | 24.20 | 24.18 | 24.21 | 24.20 | 24.20 | 24.19 | 24.19 | 24.19 | 24.18 | 24.17 |
| -15         |       | 24.14 | 24.22 | 23.97 | 23.90 | 23.80 | 23.85 | 23.94 | 23.98 | 24.00 | 24.00 | 24.00 | 24.01 | 24.03 | 24.01 |
| -10         |       | 24.28 | 24.44 | 24.13 | 23.52 | 23.39 | 23.39 | 23.45 | 23.48 | 23.52 | 23.57 | 23.62 | 23.66 | 23.70 | 23.75 |
| -9          |       | 24.31 | 24.49 | 24.17 | 23.45 | 23.32 | 23.30 | 23.35 | 23.37 | 23.41 | 23.46 | 23.51 | 23.57 | 23.62 | 23.67 |
| -8          |       | 24.34 | 24.53 | 24.20 | 23.50 | 23.25 | 23.22 | 23.27 | 23.29 | 23.31 | 23.36 | 23.41 | 23.47 | 23.53 | 23.59 |
| -7          |       | 24.37 | 24.57 | 24.24 | 23.56 | 23.18 | 23.15 | 23.18 | 23.21 | 23.23 | 23.26 | 23.31 | 23.37 | 23.43 | 23.50 |
| -6          |       | 24.40 | 24.62 | 24.27 | 23.63 | 23.12 | 23.08 | 23.10 | 23.13 | 23.15 | 23.18 | 23.21 | 23.26 | 23.33 | 23.41 |
| -5          |       | 24.43 | 24.66 | 24.31 | 23.70 | 23.16 | 23.02 | 23.04 | 23.05 | 23.07 | 23.10 | 23.12 | 23.16 | 23.23 | 23.31 |
| -4          |       | 24.46 | 24.71 | 24.34 | 23.77 | 23.27 | 22.98 | 22.98 | 22.98 | 23.00 | 23.02 | 23.04 | 23.08 | 23.13 | 23.20 |
| -3          |       | 24.48 | 24.75 | 24.38 | 23.84 | 23.39 | 23.15 | 22.91 | 22.92 | 22.93 | 22.95 | 22.97 | 23.00 | 23.04 | 23.09 |
| -2.5        |       | 24.50 | 24.77 | 24.40 | 23.87 | 23.46 | 23.24 | 22.95 | 22.89 | 22.90 | 22.91 | 22.93 | 22.96 | 23.00 | 23.05 |
| -2          |       | 24.51 | 24.79 | 24.41 | 23.91 | 23.52 | 23.33 | 23.09 | 23.02 | 22.93 | 22.88 | 22.90 | 22.92 | 22.95 | 23.00 |
| -1.5        |       | 24.53 | 24.81 | 24.43 | 23.95 | 23.58 | 23.42 | 23.24 | 23.18 | 23.11 | 23.03 | 22.92 | 22.88 | 22.91 | 22.95 |
| -1          |       | 24.54 | 24.84 | 24.45 | 23.98 | 23.64 | 23.52 | 23.38 | 23.34 | 23.30 | 23.24 | 23.17 | 23.07 | 22.92 | 22.89 |
| -0.5        |       | 24.55 | 24.86 | 24.47 | 24.02 | 23.71 | 23.61 | 23.53 | 23.51 | 23.49 | 23.46 | 23.42 | 23.37 | 23.29 | 23.17 |
| 0           | 22.20 | 24.57 | 24.88 | 24.49 | 24.06 | 23.77 | 23.70 | 23.68 | 23.68 | 23.68 | 23.68 | 23.68 | 23.68 | 23.68 | 23.69 |
| 0.5         |       | 24.56 | 24.87 | 24.47 | 24.03 | 23.74 | 23.66 | 23.63 | 23.62 | 23.62 | 23.61 | 23.60 | 23.59 | 23.58 | 23.57 |
| 1           |       | 24.55 | 24.86 | 24.45 | 24.01 | 23.71 | 23.63 | 23.58 | 23.57 | 23.56 | 23.55 | 23.53 | 23.51 | 23.49 | 23.45 |
| 1.5         |       | 24.55 | 24.85 | 24.44 | 23.98 | 23.68 | 23.59 | 23.52 | 23.51 | 23.50 | 23.48 | 23.46 | 23.43 | 23.40 | 23.35 |
| 2           |       | 24.54 | 24.83 | 24.42 | 23.96 | 23.65 | 23.55 | 23.47 | 23.46 | 23.44 | 23.42 | 23.40 | 23.37 | 23.32 | 23.27 |
| 2.5         |       | 24.53 | 24.82 | 24.40 | 23.93 | 23.61 | 23.51 | 23.42 | 23.41 | 23.39 | 23.37 | 23.34 | 23.30 | 23.26 | 23.22 |
| 3           |       | 24.52 | 24.81 | 24.39 | 23.91 | 23.58 | 23.48 | 23.38 | 23.37 | 23.34 | 23.32 | 23.28 | 23.24 | 23.22 | 23.18 |
| 4           |       | 24.51 | 24.79 | 24.36 | 23.86 | 23.52 | 23.40 | 23.32 | 23.29 | 23.26 | 23.22 | 23.20 | 23.18 | 23.15 | 23.10 |
| 5           |       | 24.49 | 24.77 | 24.32 | 23.81 | 23.46 | 23.36 | 23.26 | 23.23 | 23.20 | 23.17 | 23.15 | 23.12 | 23.09 | 23.04 |
| 6           |       | 24.48 | 24.75 | 24.29 | 23.77 | 23.42 | 23.32 | 23.21 | 23.18 | 23.16 | 23.13 | 23.10 | 23.08 | 23.05 | 23.02 |
| 7           |       | 24.46 | 24.73 | 24.26 | 23.72 | 23.40 | 23.29 | 23.17 | 23.15 | 23.12 | 23.09 | 23.08 | 23.05 | 23.02 | 23.01 |
| 8           |       | 24.44 | 24.70 | 24.23 | 23.68 | 23.38 | 23.25 | 23.14 | 23.12 | 23.09 | 23.08 | 23.06 | 23.04 | 23.02 | 23.00 |
| 9           |       | 24.43 | 24.68 | 24.20 | 23.64 | 23.36 | 23.22 | 23.12 | 23.09 | 23.08 | 23.06 | 23.05 | 23.03 | 23.01 | 22.99 |
| 10          |       | 24.41 | 24.66 | 24.17 | 23.62 | 23.34 | 23.20 | 23.09 | 23.08 | 23.07 | 23.06 | 23.04 | 23.02 | 23.01 | 22.99 |
| 15          |       | 24.31 | 24.56 | 24.04 | 23.52 | 23.25 | 23.11 | 23.06 | 23.05 | 23.04 | 23.04 | 23.04 | 23.04 | 23.03 | 23.09 |
| 20          |       | 24.21 | 24.46 | 23.92 | 23.42 | 23.14 | 23.08 | 23.04 | 23.04 | 23.04 | 23.04 | 23.04 | 23.05 | 23.08 | 23.12 |
| 30          |       | 23.98 | 24.25 | 23.69 | 23.15 | 22.93 | 22.86 | 22.83 | 22.82 | 22.81 | 22.82 | 22.85 | 22.88 | 22.91 | 22.93 |
| 45          |       | 23.54 | 23.73 | 23.21 | 22.65 | 22.46 | 22.43 | 22.41 | 22.42 | 22.44 | 22.45 | 22.46 | 22.48 | 22.49 | 22.50 |
| 60          |       | 23.04 | 23.17 | 22.62 | 22.26 | 22.15 | 22.11 | 22.13 | 22.14 | 22.15 | 22.15 | 22.16 | 22.17 | 22.18 | 22.19 |
| 75          |       | 22.45 | 23.60 | 21.98 | 21.77 | 21.72 | 21.70 | 21.74 | 21.75 | 21.76 | 21.77 | 21.78 | 21.79 | 21.80 | 21.81 |
| 90          |       | 21.87 | 21.98 | 21.59 | 21.32 | 21.31 | 21.31 | 21.37 | 21.39 | 21.40 | 21.41 | 21.42 | 21.44 | 21.45 | 21.46 |

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2024-09-27

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293

Humidity:65.0%

Test Distance:6.350m [K=1.0000]

Remarks:

Table--2

**LUMINOUS DISTRIBUTION INTENSITY DATA**

UNIT: cd

| H(°) \ V(°) | -2.5  | -2    | -1.5  | -1    | -0.5  | 0     | 0.5   | 1     | 1.5   | 2     | 2.5   | 3     | 4     | 5     | 6     |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -90         | 23.41 | 23.41 | 23.42 | 23.42 | 23.43 | 23.44 | 23.44 | 23.45 | 23.46 | 23.46 | 23.47 | 23.48 | 23.49 | 23.50 | 23.52 |
| -75         | 23.89 | 23.89 | 23.90 | 23.90 | 23.91 | 23.91 | 23.92 | 23.93 | 23.94 | 23.95 | 23.96 | 23.97 | 24.00 | 24.02 | 24.04 |
| -60         | 24.49 | 24.49 | 24.50 | 24.50 | 24.51 | 24.51 | 24.52 | 24.53 | 24.54 | 24.55 | 24.56 | 24.57 | 24.59 | 24.61 | 24.63 |
| -45         | 24.62 | 24.62 | 24.62 | 24.62 | 24.62 | 24.63 | 24.64 | 24.65 | 24.66 | 24.68 | 24.69 | 24.70 | 24.73 | 24.75 | 24.78 |
| -30         | 24.41 | 24.41 | 24.42 | 24.42 | 24.42 | 24.42 | 24.44 | 24.45 | 24.46 | 24.48 | 24.49 | 24.51 | 24.54 | 24.57 | 24.60 |
| -20         | 24.17 | 24.16 | 24.16 | 24.15 | 24.15 | 24.15 | 24.16 | 24.18 | 24.20 | 24.21 | 24.23 | 24.25 | 24.29 | 24.32 | 24.36 |
| -15         | 24.00 | 23.98 | 23.97 | 23.97 | 23.96 | 23.95 | 23.97 | 23.99 | 24.01 | 24.03 | 24.05 | 24.07 | 24.11 | 24.16 | 24.20 |
| -10         | 23.76 | 23.74 | 23.72 | 23.70 | 23.68 | 23.66 | 23.68 | 23.70 | 23.73 | 23.76 | 23.78 | 23.81 | 23.88 | 23.94 | 24.01 |
| -9          | 23.71 | 23.69 | 23.67 | 23.64 | 23.61 | 23.59 | 23.61 | 23.64 | 23.67 | 23.70 | 23.73 | 23.76 | 23.83 | 23.90 | 23.97 |
| -8          | 23.63 | 23.65 | 23.62 | 23.59 | 23.56 | 23.53 | 23.55 | 23.58 | 23.61 | 23.64 | 23.67 | 23.70 | 23.78 | 23.85 | 23.93 |
| -7          | 23.55 | 23.60 | 23.58 | 23.54 | 23.50 | 23.46 | 23.48 | 23.51 | 23.54 | 23.58 | 23.61 | 23.65 | 23.73 | 23.81 | 23.89 |
| -6          | 23.46 | 23.52 | 23.55 | 23.50 | 23.45 | 23.40 | 23.43 | 23.46 | 23.49 | 23.53 | 23.57 | 23.61 | 23.69 | 23.78 | 23.87 |
| -5          | 23.36 | 23.42 | 23.50 | 23.48 | 23.41 | 23.34 | 23.37 | 23.40 | 23.43 | 23.48 | 23.52 | 23.57 | 23.66 | 23.76 | 23.84 |
| -4          | 23.24 | 23.31 | 23.40 | 23.47 | 23.38 | 23.29 | 23.32 | 23.35 | 23.39 | 23.44 | 23.49 | 23.54 | 23.65 | 23.74 | 23.82 |
| -3          | 23.14 | 23.19 | 23.26 | 23.39 | 23.37 | 23.25 | 23.27 | 23.31 | 23.37 | 23.42 | 23.48 | 23.54 | 23.64 | 23.74 | 23.83 |
| -2.5        | 23.08 | 23.13 | 23.18 | 23.32 | 23.37 | 23.22 | 23.25 | 23.30 | 23.36 | 23.43 | 23.50 | 23.55 | 23.65 | 23.75 | 23.85 |
| -2          | 23.03 | 23.07 | 23.13 | 23.23 | 23.39 | 23.20 | 23.23 | 23.30 | 23.38 | 23.45 | 23.52 | 23.57 | 23.68 | 23.78 | 23.87 |
| -1.5        | 22.98 | 23.02 | 23.06 | 23.13 | 23.33 | 23.18 | 23.22 | 23.31 | 23.41 | 23.49 | 23.55 | 23.62 | 23.72 | 23.81 | 23.89 |
| -1          | 22.92 | 22.96 | 23.00 | 23.05 | 23.19 | 23.15 | 23.24 | 23.38 | 23.47 | 23.56 | 23.63 | 23.68 | 23.77 | 23.85 | 23.92 |
| -0.5        | 23.08 | 22.93 | 22.91 | 22.96 | 23.05 | 23.13 | 23.34 | 23.50 | 23.61 | 23.68 | 23.73 | 23.76 | 23.83 | 23.89 | 23.96 |
| 0           | 23.70 | 23.71 | 23.72 | 23.73 | 23.74 | 23.76 | 23.77 | 23.79 | 23.80 | 23.82 | 23.84 | 23.85 | 23.90 | 23.94 | 23.99 |
| 0.5         | 23.56 | 23.53 | 23.50 | 23.42 | 23.29 | 23.10 | 23.04 | 22.99 | 22.96 | 23.01 | 23.18 | 23.30 | 23.48 | 23.61 | 23.71 |
| 1           | 23.42 | 23.38 | 23.33 | 23.26 | 23.14 | 23.08 | 23.14 | 23.04 | 23.02 | 23.01 | 23.00 | 22.99 | 23.07 | 23.28 | 23.43 |
| 1.5         | 23.31 | 23.28 | 23.23 | 23.16 | 23.10 | 23.07 | 23.24 | 23.07 | 23.04 | 23.03 | 23.03 | 23.03 | 23.04 | 23.06 | 23.16 |
| 2           | 23.25 | 23.21 | 23.16 | 23.11 | 23.06 | 23.06 | 23.26 | 23.13 | 23.06 | 23.04 | 23.04 | 23.05 | 23.06 | 23.08 | 23.11 |
| 2.5         | 23.19 | 23.16 | 23.11 | 23.08 | 23.05 | 23.06 | 23.21 | 23.18 | 23.08 | 23.06 | 23.04 | 23.05 | 23.07 | 23.10 | 23.13 |
| 3           | 23.15 | 23.11 | 23.07 | 23.05 | 23.05 | 23.05 | 23.18 | 23.22 | 23.12 | 23.07 | 23.06 | 23.05 | 23.07 | 23.11 | 23.14 |
| 4           | 23.07 | 23.05 | 23.04 | 23.02 | 23.04 | 23.05 | 23.14 | 23.23 | 23.18 | 23.12 | 23.08 | 23.08 | 23.08 | 23.12 | 23.16 |
| 5           | 23.03 | 23.02 | 23.01 | 23.02 | 23.04 | 23.05 | 23.12 | 23.19 | 23.22 | 23.17 | 23.13 | 23.10 | 23.11 | 23.13 | 23.17 |
| 6           | 23.01 | 23.00 | 23.00 | 23.02 | 23.04 | 23.06 | 23.11 | 23.17 | 23.22 | 23.20 | 23.17 | 23.14 | 23.13 | 23.16 | 23.19 |
| 7           | 23.00 | 22.99 | 23.00 | 23.02 | 23.04 | 23.06 | 23.11 | 23.15 | 23.20 | 23.22 | 23.20 | 23.18 | 23.16 | 23.18 | 23.21 |
| 8           | 22.99 | 22.99 | 23.02 | 23.04 | 23.06 | 23.08 | 23.12 | 23.15 | 23.19 | 23.22 | 23.22 | 23.21 | 23.19 | 23.20 | 23.24 |
| 9           | 22.99 | 23.01 | 23.03 | 23.06 | 23.08 | 23.11 | 23.14 | 23.17 | 23.19 | 23.22 | 23.24 | 23.24 | 23.23 | 23.24 | 23.27 |
| 10          | 23.00 | 23.03 | 23.05 | 23.08 | 23.11 | 23.14 | 23.16 | 23.19 | 23.21 | 23.24 | 23.26 | 23.27 | 23.27 | 23.27 | 23.29 |
| 15          | 23.12 | 23.15 | 23.17 | 23.20 | 23.23 | 23.26 | 23.27 | 23.28 | 23.29 | 23.29 | 23.30 | 23.31 | 23.32 | 23.34 | 23.36 |
| 20          | 23.14 | 23.16 | 23.18 | 23.20 | 23.22 | 23.25 | 23.25 | 23.25 | 23.25 | 23.26 | 23.26 | 23.26 | 23.26 | 23.26 | 23.28 |
| 30          | 22.95 | 22.96 | 22.97 | 22.98 | 22.99 | 23.01 | 23.01 | 23.01 | 23.01 | 23.01 | 23.01 | 23.02 | 23.02 | 23.02 | 23.02 |
| 45          | 22.51 | 22.51 | 22.52 | 22.53 | 22.53 | 22.54 | 22.55 | 22.56 | 22.57 | 22.58 | 22.59 | 22.60 | 22.61 | 22.63 | 22.65 |
| 60          | 22.19 | 22.20 | 22.20 | 22.21 | 22.21 | 22.21 | 22.23 | 22.24 | 22.25 | 22.26 | 22.27 | 22.28 | 22.31 | 22.33 | 22.35 |
| 75          | 21.81 | 21.82 | 21.82 | 21.83 | 21.83 | 21.84 | 21.85 | 21.86 | 21.88 | 21.89 | 21.91 | 21.92 | 21.95 | 21.98 | 22.00 |
| 90          | 21.47 | 21.48 | 21.48 | 21.49 | 21.49 | 21.50 | 21.51 | 21.53 | 21.54 | 21.55 | 21.56 | 21.57 | 21.60 | 21.62 | 21.65 |

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2024-09-27

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293

Humidity:65.0%

Test Distance:6.350m [K=1.0000]

Remarks:

Table--3

## LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

| H(°) \ V(°) | 7     | 8     | 9     | 10    | 15    | 20    | 30    | 45    | 60    | 75    | 90    |  |  |  |  |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
| -90         | 23.53 | 23.55 | 23.56 | 23.57 | 23.64 | 23.76 | 23.98 | 24.38 | 24.70 | 24.47 |       |  |  |  |  |
| -75         | 24.06 | 24.08 | 24.10 | 24.12 | 24.22 | 24.40 | 24.73 | 25.26 | 25.57 | 24.93 |       |  |  |  |  |
| -60         | 24.64 | 24.66 | 24.68 | 24.70 | 24.82 | 24.99 | 25.33 | 25.88 | 26.12 | 25.53 |       |  |  |  |  |
| -45         | 24.80 | 24.83 | 24.85 | 24.88 | 25.01 | 25.15 | 25.49 | 25.94 | 26.26 | 26.00 |       |  |  |  |  |
| -30         | 24.64 | 24.67 | 24.70 | 24.73 | 24.90 | 25.09 | 25.42 | 25.84 | 26.29 | 26.26 |       |  |  |  |  |
| -20         | 24.40 | 24.44 | 24.48 | 24.53 | 24.76 | 24.99 | 25.33 | 25.76 | 26.22 | 26.37 |       |  |  |  |  |
| -15         | 24.25 | 24.29 | 24.34 | 24.40 | 24.68 | 24.90 | 25.29 | 25.73 | 26.17 | 26.41 |       |  |  |  |  |
| -10         | 24.08 | 24.14 | 24.21 | 24.28 | 24.57 | 24.82 | 25.26 | 25.65 | 26.12 | 26.45 |       |  |  |  |  |
| -9          | 24.04 | 24.12 | 24.19 | 24.25 | 24.55 | 24.81 | 25.26 | 25.64 | 26.12 | 26.45 |       |  |  |  |  |
| -8          | 24.00 | 24.08 | 24.15 | 24.22 | 24.53 | 24.80 | 25.24 | 25.63 | 26.11 | 26.46 |       |  |  |  |  |
| -7          | 23.97 | 24.05 | 24.12 | 24.19 | 24.51 | 24.79 | 25.22 | 25.62 | 26.10 | 26.47 |       |  |  |  |  |
| -6          | 23.94 | 24.02 | 24.09 | 24.16 | 24.49 | 24.78 | 25.20 | 25.61 | 26.09 | 26.48 |       |  |  |  |  |
| -5          | 23.92 | 24.00 | 24.07 | 24.15 | 24.48 | 24.77 | 25.18 | 25.60 | 26.09 | 26.48 |       |  |  |  |  |
| -4          | 23.91 | 23.99 | 24.07 | 24.15 | 24.47 | 24.75 | 25.16 | 25.59 | 26.08 | 26.49 |       |  |  |  |  |
| -3          | 23.92 | 24.00 | 24.08 | 24.15 | 24.47 | 24.74 | 25.15 | 25.58 | 26.08 | 26.50 |       |  |  |  |  |
| -2.5        | 23.93 | 24.01 | 24.08 | 24.15 | 24.47 | 24.73 | 25.14 | 25.57 | 26.07 | 26.50 |       |  |  |  |  |
| -2          | 23.94 | 24.02 | 24.09 | 24.16 | 24.47 | 24.73 | 25.13 | 25.57 | 26.07 | 26.50 |       |  |  |  |  |
| -1.5        | 23.96 | 24.04 | 24.11 | 24.17 | 24.47 | 24.73 | 25.13 | 25.56 | 26.07 | 26.51 |       |  |  |  |  |
| -1          | 23.99 | 24.05 | 24.12 | 24.18 | 24.47 | 24.72 | 25.12 | 25.56 | 26.06 | 26.51 |       |  |  |  |  |
| -0.5        | 24.01 | 24.08 | 24.14 | 24.19 | 24.47 | 24.72 | 25.11 | 25.55 | 26.06 | 26.52 |       |  |  |  |  |
| 0           | 24.04 | 24.10 | 24.16 | 24.21 | 24.48 | 24.72 | 25.11 | 25.55 | 26.06 | 26.52 | 24.10 |  |  |  |  |
| 0.5         | 23.80 | 23.88 | 23.96 | 24.03 | 24.36 | 24.63 | 25.05 | 25.51 | 26.04 | 26.50 |       |  |  |  |  |
| 1           | 23.56 | 23.67 | 23.77 | 23.86 | 24.25 | 24.54 | 24.99 | 25.48 | 26.02 | 26.49 |       |  |  |  |  |
| 1.5         | 23.33 | 23.47 | 23.59 | 23.70 | 24.13 | 24.46 | 24.94 | 25.44 | 25.99 | 26.47 |       |  |  |  |  |
| 2           | 23.15 | 23.27 | 23.40 | 23.53 | 24.02 | 24.37 | 24.88 | 25.41 | 25.97 | 26.46 |       |  |  |  |  |
| 2.5         | 23.16 | 23.21 | 23.25 | 23.37 | 23.91 | 24.29 | 24.82 | 25.38 | 25.95 | 26.44 |       |  |  |  |  |
| 3           | 23.18 | 23.22 | 23.26 | 23.31 | 23.81 | 24.21 | 24.77 | 25.34 | 25.93 | 26.43 |       |  |  |  |  |
| 4           | 23.20 | 23.24 | 23.28 | 23.33 | 23.60 | 24.05 | 24.66 | 25.27 | 25.88 | 26.39 |       |  |  |  |  |
| 5           | 23.21 | 23.26 | 23.30 | 23.35 | 23.59 | 23.89 | 24.55 | 25.21 | 25.84 | 26.36 |       |  |  |  |  |
| 6           | 23.23 | 23.28 | 23.32 | 23.37 | 23.61 | 23.80 | 24.44 | 25.14 | 25.80 | 26.33 |       |  |  |  |  |
| 7           | 23.25 | 23.29 | 23.34 | 23.39 | 23.63 | 23.82 | 24.34 | 25.07 | 25.76 | 26.30 |       |  |  |  |  |
| 8           | 23.28 | 23.32 | 23.36 | 23.41 | 23.65 | 23.83 | 24.24 | 25.01 | 25.71 | 26.27 |       |  |  |  |  |
| 9           | 23.30 | 23.34 | 23.39 | 23.43 | 23.67 | 23.85 | 24.15 | 24.94 | 25.67 | 26.24 |       |  |  |  |  |
| 10          | 23.33 | 23.37 | 23.41 | 23.45 | 23.67 | 23.86 | 24.15 | 24.88 | 25.63 | 26.21 |       |  |  |  |  |
| 15          | 23.39 | 23.42 | 23.45 | 23.48 | 23.67 | 23.86 | 24.16 | 24.58 | 25.43 | 26.05 |       |  |  |  |  |
| 20          | 23.31 | 23.34 | 23.37 | 23.40 | 23.58 | 23.77 | 24.15 | 24.51 | 25.24 | 25.90 |       |  |  |  |  |
| 30          | 23.02 | 23.04 | 23.08 | 23.11 | 23.29 | 23.49 | 23.89 | 24.40 | 24.92 | 25.57 |       |  |  |  |  |
| 45          | 22.67 | 22.68 | 22.70 | 22.72 | 22.89 | 23.06 | 23.45 | 24.09 | 24.66 | 25.05 |       |  |  |  |  |
| 60          | 22.38 | 22.40 | 22.42 | 22.44 | 22.59 | 22.77 | 23.14 | 23.73 | 24.32 | 24.43 |       |  |  |  |  |
| 75          | 22.03 | 22.06 | 22.08 | 22.11 | 22.25 | 22.43 | 22.79 | 23.25 | 23.88 | 23.81 |       |  |  |  |  |
| 90          | 21.67 | 21.70 | 21.72 | 21.75 | 21.87 | 22.04 | 22.38 | 22.89 | 23.43 | 23.31 |       |  |  |  |  |

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2024-09-27

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.293

Humidity:65.0%

Test Distance:6.350m [K=1.0000]

Remarks: