

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

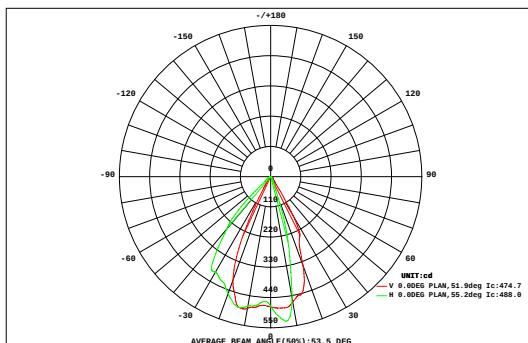
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 1413.3 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 69.6V x 65.9H                                                        |
|                                                         | At 50% of Imax | 55.2V x 51.9H                                                        |
|                                                         | At 90% of Imax | 32.0V x 34.8H                                                        |
| Beam Flux                                               | Total          | 1000.2 lumens per klm.                                               |
|                                                         | To 10% of Imax | 910.2 lumens per klm.                                                |
|                                                         | To 50% of Imax | 723.6 lumens per klm.                                                |
|                                                         | To 90% of Imax | 133.4 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:0.0717A P:5.052W PF:0.3178 Lamp Flux:378.168x1 lm |       |                  |
| NAME: 691241-4000K-120-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |



| DATA OF LAMP     |                     | Eff:74.86lm/W   |          |
|------------------|---------------------|-----------------|----------|
| MODEL            | 691241-4000K-120-5W | Imax(cd)        | 534.5    |
| NOMINAL POWER(W) | 5                   | AVAILABILITY(%) | 91.1     |
| RATED VOLTAGE(V) | 220                 | Avai. FLUX(lm)  | 344.6    |
| NOMINAL FLUX(lm) | 378.168             | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1                   | TOTAL FLUX(lm)  | 378.2    |
| TEST VOLTAGE(V)  | 220                 | θ @50%(H,V)     | 52,55DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.02              | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04             | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02    | 0.01 | 0.48 | 0.00 |
| 45             | 0.02              | 0.02 | 0.03 | 0.03 | 0.04 | 0.06 | 0.07 | 0.07 | 0.08             | 0.08 | 0.08 | 0.07 | 0.06 | 0.05 | 0.03 | 0.03 | 0.02    | 0.02 | 0.85 | 0.00 |
| 40             | 0.02              | 0.03 | 0.04 | 0.06 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10             | 0.10 | 0.10 | 0.10 | 0.09 | 0.08 | 0.06 | 0.04 | 0.03    | 0.02 | 1.23 | 0.00 |
| 35             | 0.03              | 0.04 | 0.06 | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15             | 0.15 | 0.14 | 0.13 | 0.12 | 0.10 | 0.09 | 0.07 | 0.05    | 0.03 | 1.69 | 0.00 |
| 30             | 0.04              | 0.06 | 0.08 | 0.10 | 0.13 | 0.16 | 0.21 | 0.26 | 0.31             | 0.34 | 0.32 | 0.25 | 0.18 | 0.14 | 0.11 | 0.09 | 0.07    | 0.04 | 2.88 | 0.45 |
| 25             | 0.05              | 0.07 | 0.10 | 0.13 | 0.20 | 0.39 | 0.76 | 1.09 | 1.17             | 1.28 | 1.30 | 0.98 | 0.55 | 0.28 | 0.15 | 0.10 | 0.07    | 0.05 | 8.74 | 7.30 |
| 20             | 0.06              | 0.09 | 0.12 | 0.21 | 0.47 | 1.18 | 1.94 | 2.35 | 2.50             | 2.61 | 2.53 | 2.12 | 1.50 | 0.77 | 0.25 | 0.12 | 0.08    | 0.06 | 18.9 | 17.9 |
| 15             | 0.07              | 0.10 | 0.17 | 0.38 | 1.11 | 2.17 | 3.06 | 3.62 | 3.82             | 3.88 | 3.68 | 2.95 | 2.05 | 1.38 | 0.57 | 0.21 | 0.11    | 0.07 | 29.4 | 28.5 |
| 10             | 0.08              | 0.12 | 0.23 | 0.78 | 1.95 | 2.92 | 3.58 | 3.81 | 3.77             | 3.88 | 3.83 | 3.39 | 2.56 | 1.81 | 1.20 | 0.46 | 0.14    | 0.08 | 34.6 | 33.9 |
| 5              | 0.09              | 0.14 | 0.32 | 1.16 | 2.47 | 3.31 | 3.63 | 3.58 | 3.50             | 3.54 | 3.52 | 3.26 | 2.88 | 2.20 | 1.58 | 0.74 | 0.19    | 0.09 | 36.2 | 35.5 |
| 0              | 0.09              | 0.15 | 0.36 | 1.35 | 2.60 | 3.43 | 3.65 | 3.61 | 3.58             | 3.63 | 3.54 | 3.16 | 2.81 | 2.42 | 1.74 | 0.95 | 0.23    | 0.10 | 37.4 | 36.7 |
| -5             | 0.09              | 0.15 | 0.42 | 1.37 | 2.55 | 3.38 | 3.58 | 3.58 | 3.68             | 3.78 | 3.64 | 3.13 | 2.73 | 2.46 | 1.80 | 0.98 | 0.24    | 0.11 | 37.7 | 37.0 |
| -10            | 0.09              | 0.15 | 0.41 | 1.28 | 2.39 | 3.30 | 3.49 | 3.44 | 3.52             | 3.63 | 3.44 | 2.96 | 2.63 | 2.32 | 1.73 | 0.95 | 0.26    | 0.10 | 36.1 | 35.5 |
| -15            | 0.08              | 0.13 | 0.32 | 1.03 | 2.02 | 2.99 | 3.41 | 3.39 | 3.33             | 3.25 | 3.04 | 2.76 | 2.54 | 2.16 | 1.59 | 0.77 | 0.20    | 0.10 | 33.1 | 32.5 |
| -20            | 0.08              | 0.12 | 0.26 | 0.78 | 1.58 | 2.53 | 3.19 | 3.33 | 3.21             | 3.02 | 2.80 | 2.64 | 2.35 | 1.89 | 1.33 | 0.50 | 0.16    | 0.09 | 29.8 | 29.1 |
| -25            | 0.07              | 0.10 | 0.16 | 0.43 | 1.06 | 1.78 | 2.50 | 2.98 | 3.02             | 2.89 | 2.66 | 2.36 | 1.98 | 1.55 | 0.82 | 0.26 | 0.13    | 0.08 | 24.8 | 24.0 |
| -30            | 0.06              | 0.09 | 0.13 | 0.22 | 0.56 | 1.07 | 1.56 | 1.99 | 2.22             | 2.25 | 2.13 | 1.91 | 1.52 | 0.88 | 0.35 | 0.16 | 0.10    | 0.07 | 17.3 | 16.2 |
| -35            | 0.05              | 0.08 | 0.10 | 0.14 | 0.22 | 0.46 | 0.83 | 1.17 | 1.43             | 1.54 | 1.47 | 1.15 | 0.65 | 0.33 | 0.18 | 0.12 | 0.09    | 0.06 | 10.1 | 8.67 |
| -40            | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL (DEG) | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45      |      |      |      |
| Φ t            | 1.09              | 1.66 | 3.32 | 9.55 | 19.5 | 29.3 | 35.7 | 38.5 | 39.4             | 39.9 | 38.3 | 33.4 | 27.3 | 20.8 | 13.6 | 6.56 | 2.18    | 1.19 | 361  | ---  |
| Φ a            | 0.00              | 0.00 | 1.25 | 8.31 | 18.6 | 28.6 | 35.1 | 38.0 | 38.8             | 39.3 | 37.7 | 32.8 | 26.6 | 20.0 | 12.5 | 5.26 | 0.30    | 0.00 | ---  | 343  |

one-half-peak spread: U:9.3,D:9.1 , L:13.2,R:13.0

NEMA Beam Type: Type 4

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:0.0717A P:5.052W PF:0.3178 Lamp Flux:378.168x1 lm |       |                  |
| NAME: 691241-4000K-120-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |

Conical surface Flux(90deg):

356.14 lm

%lum = 94.2%

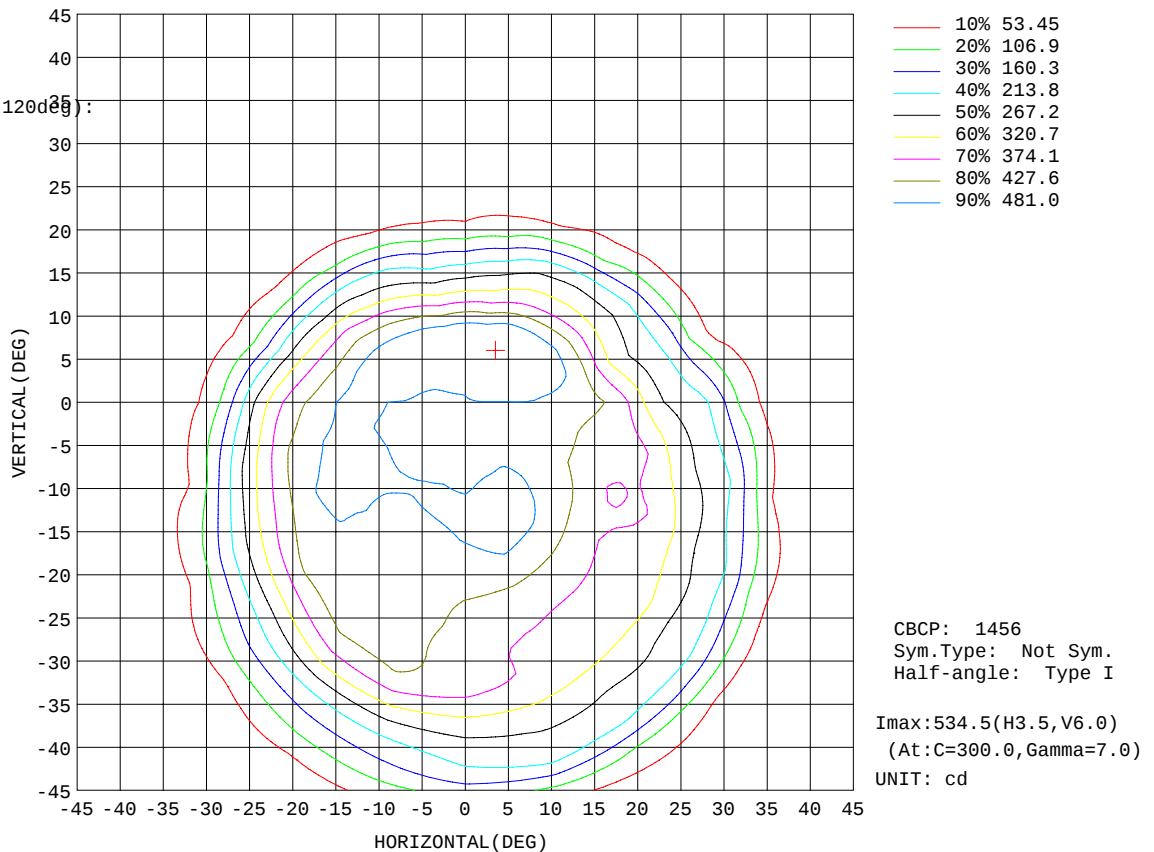
%lamp = 94.2%

Conical surface Flux(120deg):

370.64 lm

%lum = 98.0%

%lamp = 98.0%



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

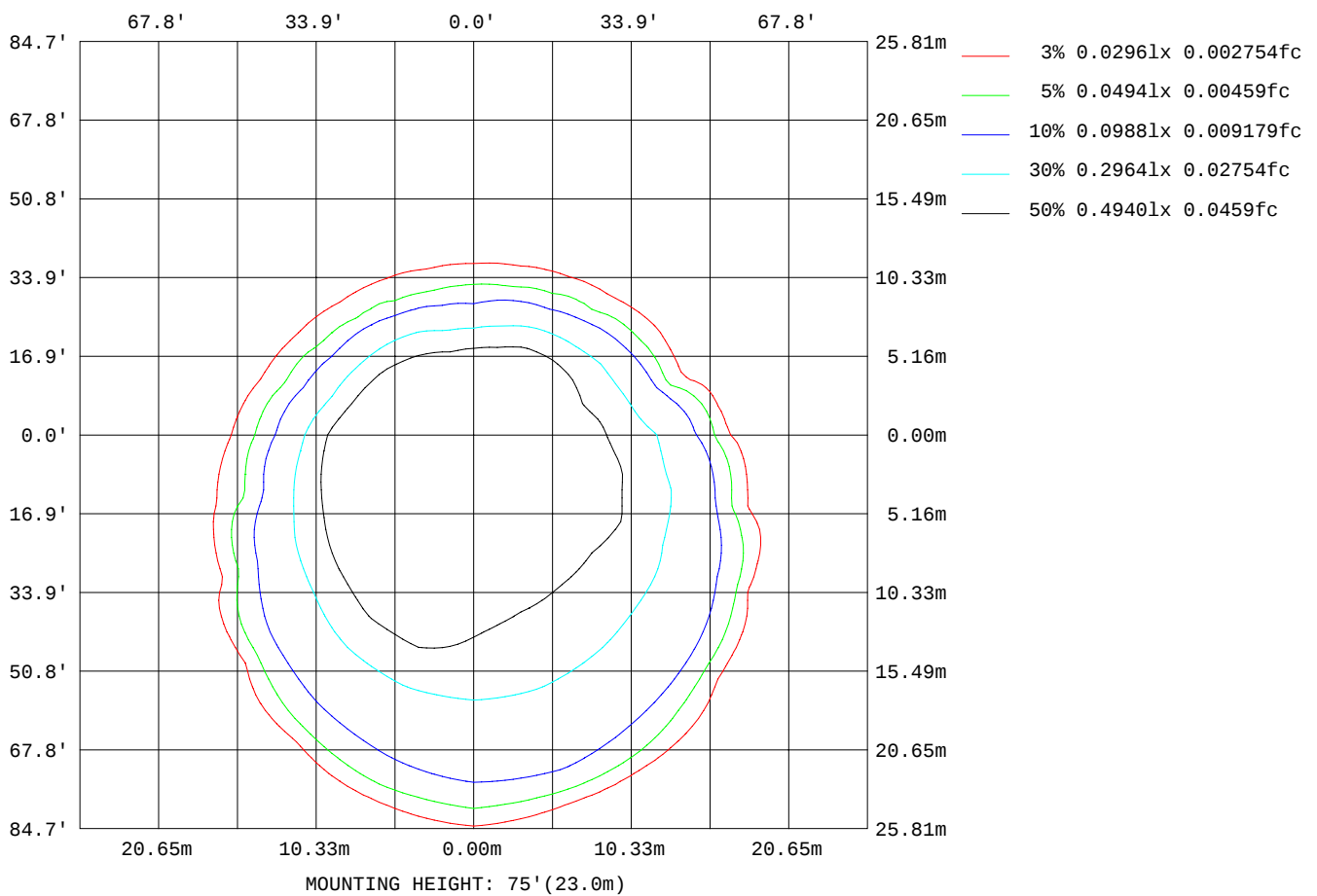
Humidity: 65.0%

Test Distance: 6.350m [K=1.0000]

Remarks:

## ISOLUX DIAGRAM

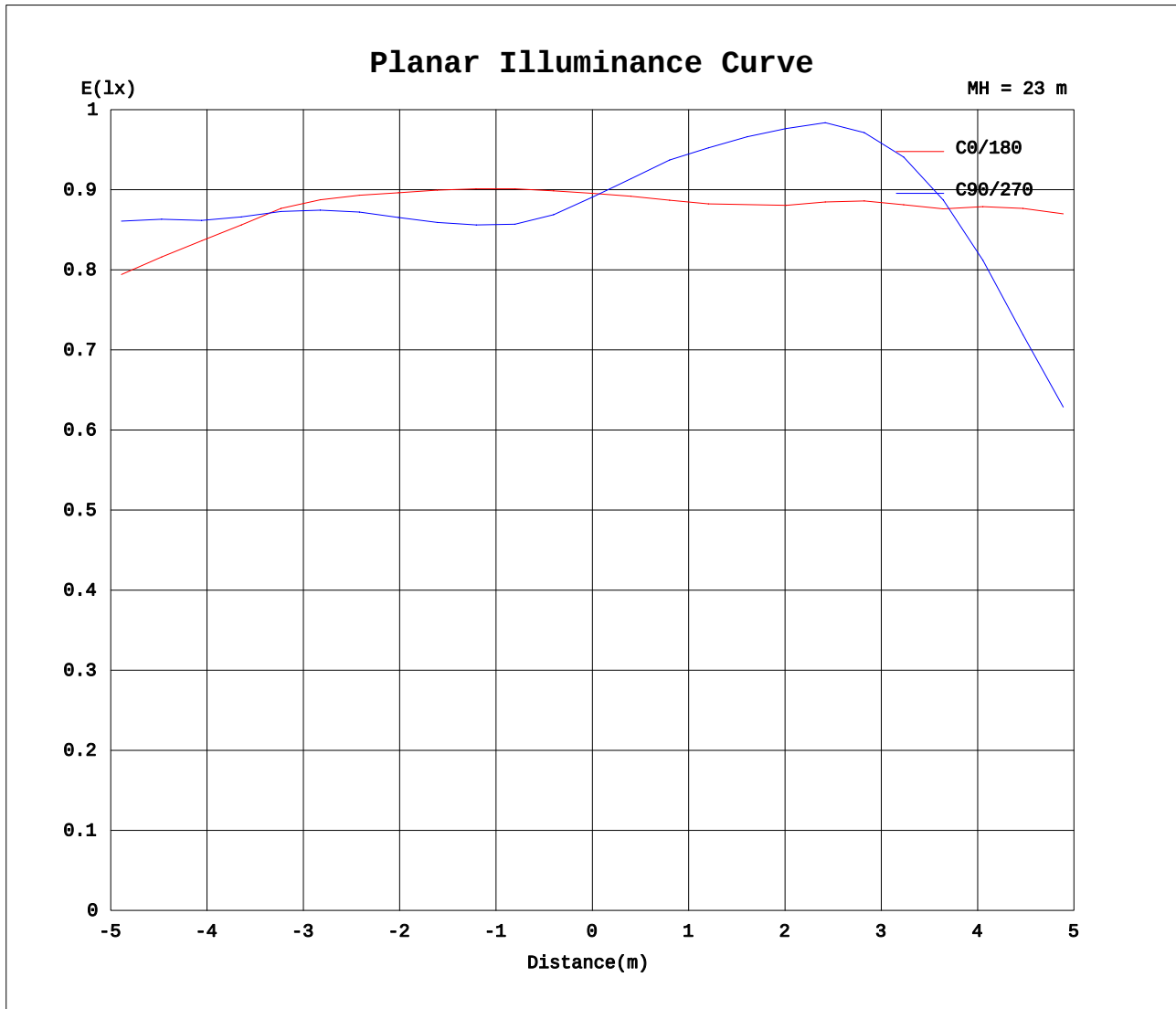
|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:221.9V I:0.0717A P:5.052W PF:0.3178 Lamp Flux:378.168x1 lm |       |                  |
| NAME: 691241-4000K-120-5W                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                            | DIM.: | SERIAL No.:      |
| MFR.:                                                             | SUR.: | Shielding Angle: |



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:

## Planar Illuminance Curve

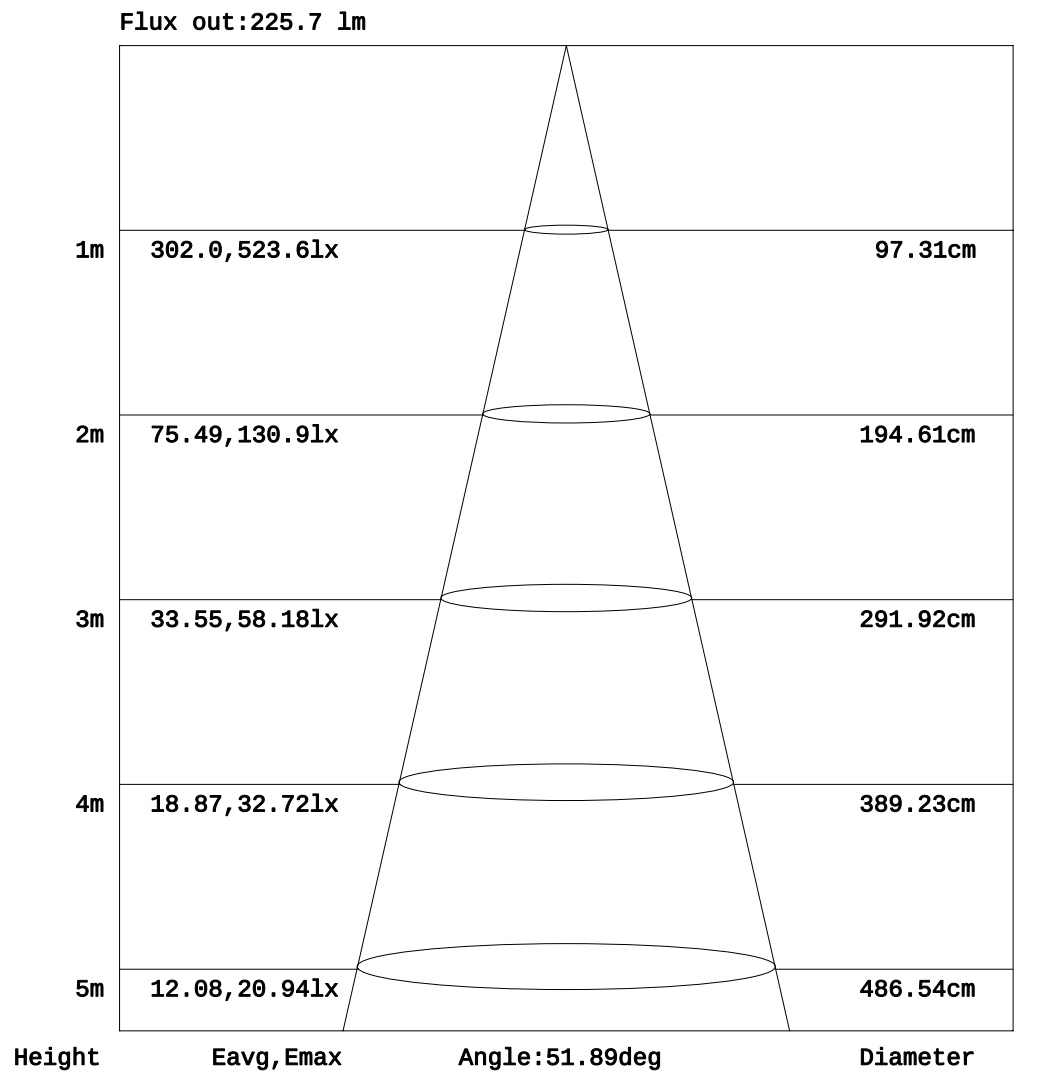


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-09-27

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:0.0717A P:5.052W PF:0.3178 Lamp Flux:378.168x1 lm |       |                  |
| NAME: 691241-4000K-120-5W                                         | 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         |      | 1.06 | 1.27 | 1.89  | 2.75  | 2.15  | 1.85  | 1.80  | 1.79  | 1.78  | 1.77  | 1.76  | 1.75  | 1.74  | 1.73  |
| -75         |      | 1.53 | 2.31 | 2.53  | 2.62  | 2.59  | 2.63  | 2.68  | 2.68  | 2.69  | 2.70  | 2.71  | 2.71  | 2.72  | 2.72  |
| -60         |      | 3.03 | 3.31 | 3.51  | 4.97  | 8.41  | 10.56 | 11.89 | 12.05 | 12.20 | 12.33 | 12.44 | 12.55 | 12.63 | 12.71 |
| -45         |      | 2.74 | 3.51 | 5.44  | 15.34 | 26.62 | 44.34 | 79.46 | 86.21 | 92.91 | 99.51 | 105.9 | 112.1 | 118   | 123.5 |
| -30         |      | 2.59 | 3.33 | 11.71 | 49.38 | 243.4 | 358.2 | 425.2 | 432.8 | 438.8 | 438   | 433.7 | 428.9 | 423.7 | 418.3 |
| -20         |      | 2.63 | 3.54 | 13.00 | 98.10 | 387.6 | 464.7 | 460.1 | 456.8 | 453.2 | 449.6 | 446.1 | 443.9 | 445.4 | 447.4 |
| -15         |      | 2.67 | 3.65 | 13.26 | 119.6 | 419.3 | 480.1 | 465.2 | 462.5 | 461.5 | 463.3 | 465.4 | 468   | 470.7 | 475.3 |
| -10         |      | 2.67 | 3.73 | 13.56 | 106.8 | 436   | 495.2 | 483.6 | 482.7 | 482.4 | 482.4 | 482.5 | 483.3 | 483.6 | 483.4 |
| -9          |      | 2.67 | 3.74 | 13.55 | 102.2 | 438.6 | 498.8 | 485.6 | 484.3 | 483.3 | 482.2 | 481.4 | 480.7 | 479.6 | 478.7 |
| -8          |      | 2.67 | 3.75 | 13.52 | 103.4 | 439.4 | 496.5 | 486.8 | 485   | 481.8 | 479.3 | 477.4 | 475.1 | 473.4 | 472.8 |
| -7          |      | 2.67 | 3.76 | 13.46 | 104.8 | 439.9 | 492.7 | 487.7 | 484.2 | 479.6 | 474.2 | 470.9 | 468.6 | 467.1 | 467.2 |
| -6          |      | 2.66 | 3.76 | 13.39 | 104   | 438.3 | 490.3 | 487.5 | 482.6 | 476.8 | 470.6 | 465.3 | 463.3 | 462.3 | 462.2 |
| -5          |      | 2.66 | 3.77 | 13.30 | 101.3 | 433.3 | 488.7 | 484.6 | 480.1 | 474   | 468.2 | 463.4 | 459.3 | 458.3 | 457   |
| -4          |      | 2.66 | 3.76 | 13.19 | 96.93 | 427.4 | 487.2 | 481.5 | 477.3 | 472.2 | 467.2 | 463.1 | 459.1 | 454.8 | 452.5 |
| -3          |      | 2.65 | 3.76 | 13.07 | 91.05 | 421.6 | 484.9 | 479.3 | 476.1 | 473.4 | 470.4 | 465.6 | 459.4 | 454.9 | 452.2 |
| -2.5        |      | 2.65 | 3.76 | 13.00 | 87.63 | 418.7 | 484   | 479.4 | 476   | 474.8 | 472.7 | 468.5 | 462.3 | 456.3 | 453.9 |
| -2          |      | 2.65 | 3.76 | 12.93 | 83.93 | 415.7 | 483.3 | 480.7 | 476.9 | 476.3 | 475.4 | 471.9 | 466.5 | 460.3 | 456.5 |
| -1.5        |      | 2.65 | 3.75 | 12.86 | 79.99 | 412.5 | 482.7 | 482.1 | 477.9 | 477.4 | 476.7 | 474.9 | 471.1 | 466.3 | 462.1 |
| -1          |      | 2.64 | 3.75 | 12.78 | 75.84 | 409.2 | 482   | 483.6 | 478.9 | 478.3 | 477.6 | 475.2 | 472.3 | 471.9 | 471.2 |
| -0.5        |      | 2.64 | 3.74 | 12.70 | 71.50 | 405.7 | 481.3 | 485.2 | 479.9 | 479.2 | 478.5 | 475.5 | 471.7 | 470.8 | 472.8 |
| 0           | 0.77 | 2.64 | 3.74 | 12.62 | 67.01 | 401.9 | 480.4 | 486.9 | 481.1 | 480.1 | 479.4 | 475.8 | 471.2 | 469.8 | 468.8 |
| 0.5         |      | 2.65 | 3.73 | 12.56 | 65.01 | 392.6 | 474.7 | 491.4 | 487.4 | 485.9 | 484.3 | 480.3 | 475.4 | 473.3 | 473.4 |
| 1           |      | 2.66 | 3.71 | 12.50 | 62.91 | 382.9 | 468.9 | 495.9 | 493.7 | 491.8 | 489.4 | 485   | 479.9 | 477.1 | 477.8 |
| 1.5         |      | 2.67 | 3.70 | 12.43 | 60.72 | 372.9 | 462.7 | 500.3 | 499.8 | 497.9 | 494.8 | 490   | 485   | 481.9 | 481.9 |
| 2           |      | 2.68 | 3.68 | 12.36 | 58.47 | 362.5 | 456.2 | 504.5 | 505.8 | 504.2 | 500.5 | 495.3 | 490.6 | 487.4 | 486.4 |
| 2.5         |      | 2.70 | 3.67 | 12.29 | 56.17 | 351.8 | 449.3 | 508.3 | 511   | 509.6 | 505.9 | 500.9 | 496.3 | 493.4 | 491.1 |
| 3           |      | 2.71 | 3.65 | 12.21 | 53.83 | 340.6 | 442.1 | 510.4 | 513.8 | 514.3 | 511.7 | 507   | 502   | 499.2 | 497.1 |
| 4           |      | 2.73 | 3.62 | 12.05 | 49.10 | 317   | 426.7 | 510.3 | 518.3 | 523.1 | 523.6 | 518.5 | 514.9 | 512.9 | 509   |
| 5           |      | 2.75 | 3.58 | 11.86 | 44.40 | 291.7 | 412.9 | 505   | 518.3 | 524.1 | 525.7 | 526.2 | 526   | 521.8 | 518.8 |
| 6           |      | 2.78 | 3.55 | 11.66 | 39.86 | 267   | 396.9 | 490.7 | 504.3 | 513.3 | 520.4 | 525.9 | 527.4 | 526.9 | 525.6 |
| 7           |      | 2.80 | 3.51 | 11.43 | 35.59 | 244.6 | 376.3 | 467.9 | 481.8 | 492.9 | 503.4 | 512.4 | 517.6 | 523.3 | 521.7 |
| 8           |      | 2.83 | 3.47 | 11.17 | 31.68 | 220.4 | 351.6 | 443.2 | 456.8 | 468   | 477.4 | 487.2 | 495.2 | 502.3 | 503.9 |
| 9           |      | 2.85 | 3.43 | 10.89 | 28.48 | 194.9 | 322.8 | 414.7 | 428.2 | 438.6 | 446.9 | 455.7 | 463.1 | 468.2 | 471.8 |
| 10          |      | 2.88 | 3.40 | 10.57 | 26.78 | 168   | 292.4 | 382   | 393.6 | 402.9 | 411.3 | 418.6 | 424.8 | 428.3 | 429.5 |
| 15          |      | 3.02 | 3.21 | 8.08  | 19.62 | 56.31 | 137.6 | 218.8 | 225.4 | 229.4 | 230.3 | 230.1 | 229.1 | 226.2 | 233   |
| 20          |      | 3.19 | 3.07 | 6.03  | 15.04 | 24.51 | 34.77 | 52.54 | 58.02 | 63.84 | 67.26 | 68.61 | 68.69 | 71.48 | 73.49 |
| 30          |      | 2.71 | 3.28 | 3.77  | 9.54  | 12.23 | 13.51 | 14.71 | 14.87 | 15.00 | 15.19 | 15.40 | 15.58 | 15.73 | 15.85 |
| 45          |      | 1.82 | 3.50 | 3.22  | 3.09  | 3.42  | 3.53  | 3.60  | 3.64  | 3.67  | 3.70  | 3.72  | 3.74  | 3.75  | 3.76  |
| 60          |      | 1.15 | 1.99 | 3.27  | 3.08  | 3.14  | 3.16  | 3.15  | 3.15  | 3.15  | 3.14  | 3.14  | 3.14  | 3.14  | 3.13  |
| 75          |      | 0.79 | 0.80 | 0.92  | 0.83  | 0.87  | 0.88  | 0.84  | 0.83  | 0.83  | 0.82  | 0.82  | 0.81  | 0.81  | 0.80  |
| 90          |      | 0.47 | 0.31 | 0.09  | 0.09  | 0.08  | 0.08  | 0.09  | 0.09  | 0.09  | 0.09  | 0.09  | 0.10  | 0.10  | 0.10  |

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         | 1.72  | 1.72  | 1.71  | 1.71  | 1.70  | 1.69  | 1.70  | 1.71  | 1.72  | 1.73  | 1.73  | 1.74  | 1.76  | 1.77  | 1.79  |
| -75         | 2.72  | 2.73  | 2.73  | 2.73  | 2.73  | 2.73  | 2.72  | 2.72  | 2.71  | 2.70  | 2.70  | 2.69  | 2.67  | 2.66  | 2.64  |
| -60         | 12.74 | 12.78 | 12.80 | 12.83 | 12.85 | 12.87 | 12.87 | 12.87 | 12.86 | 12.85 | 12.84 | 12.83 | 12.79 | 12.75 | 12.69 |
| -45         | 126.1 | 128.5 | 130.9 | 133.1 | 135.1 | 137   | 136.5 | 135.7 | 134.9 | 133.8 | 132.6 | 131.2 | 127.9 | 123.9 | 119.2 |
| -30         | 415.5 | 412.6 | 409.7 | 406.8 | 403.9 | 401   | 398.4 | 395.8 | 393.2 | 390.6 | 388.1 | 385.6 | 380.5 | 375.6 | 370.7 |
| -20         | 448.4 | 449.5 | 450.6 | 451.7 | 452.7 | 453.6 | 454.1 | 454.3 | 454.5 | 454.5 | 454.3 | 453.9 | 452.4 | 450   | 442.5 |
| -15         | 477.5 | 479.5 | 481.4 | 483.1 | 484.8 | 486.5 | 489.4 | 492.2 | 494.9 | 497.4 | 499.8 | 501.9 | 505.2 | 498.2 | 490.8 |
| -10         | 482.9 | 481.6 | 480.4 | 479.3 | 478.2 | 477.3 | 479.3 | 481.5 | 483.8 | 486.2 | 488.8 | 490.2 | 491.8 | 493   | 491.4 |
| -9          | 478.7 | 477.9 | 477.1 | 476.5 | 476   | 475.6 | 476.8 | 478.1 | 479.7 | 481.4 | 483.3 | 484.5 | 487   | 489.2 | 486.1 |
| -8          | 472.8 | 472.9 | 473.1 | 473.7 | 474.6 | 475.6 | 475.7 | 476   | 476.5 | 477.3 | 478.4 | 479.7 | 482.6 | 483.4 | 480.1 |
| -7          | 467.6 | 468.3 | 469.3 | 470.4 | 471.7 | 473.1 | 473.8 | 474.6 | 475.2 | 475.8 | 476.4 | 477.1 | 478.8 | 477.7 | 475.2 |
| -6          | 462.6 | 463.1 | 463.9 | 465.3 | 467.1 | 469.1 | 469.9 | 470.8 | 472   | 472.9 | 474   | 475.3 | 475.5 | 473.4 | 471.3 |
| -5          | 456.9 | 457.2 | 457.9 | 459.3 | 461   | 463.1 | 463.9 | 465   | 466.2 | 467.5 | 469   | 470.5 | 470.4 | 469.9 | 468.8 |
| -4          | 452.2 | 452.6 | 453.5 | 454.6 | 456.2 | 457.9 | 459   | 460.3 | 461.5 | 462.8 | 463.9 | 464.8 | 465.9 | 467   | 466.8 |
| -3          | 451.8 | 451.3 | 451.3 | 452.1 | 453.2 | 454.8 | 456.3 | 458   | 459.6 | 460.9 | 461.8 | 462.7 | 464.8 | 465.8 | 466.4 |
| -2.5        | 453.2 | 452.6 | 451.3 | 452.4 | 453.4 | 454.5 | 456.4 | 458.1 | 459.6 | 461.2 | 462.3 | 463.3 | 464.9 | 466.2 | 467.1 |
| -2          | 456   | 455   | 454.2 | 453.4 | 454.1 | 454.2 | 456.9 | 458.7 | 460.9 | 462.5 | 463.9 | 464.8 | 466   | 467.2 | 467.8 |
| -1.5        | 459.7 | 459.2 | 457.8 | 456.6 | 457.5 | 457   | 459.6 | 460.7 | 463.1 | 465   | 466.3 | 467.1 | 467.8 | 468.3 | 469.2 |
| -1          | 469.8 | 466.7 | 463.9 | 463.2 | 460.9 | 459.9 | 462.1 | 464.5 | 466.6 | 468.3 | 469.5 | 470.2 | 470.2 | 471.4 | 472.9 |
| -0.5        | 475.9 | 480.3 | 480.2 | 473.9 | 469.5 | 465.6 | 467.2 | 469.3 | 471.3 | 472.6 | 473.5 | 474.3 | 474.8 | 475.5 | 476.6 |
| 0           | 469.4 | 470.1 | 471.1 | 472.1 | 472.9 | 473.7 | 474.7 | 475.6 | 476.6 | 477.7 | 478.2 | 478.7 | 479.4 | 479.6 | 480.4 |
| 0.5         | 474.3 | 475.4 | 476   | 476.5 | 476.6 | 477.5 | 483.6 | 489.5 | 498.4 | 501.3 | 498.5 | 496.8 | 493.8 | 492   | 490.2 |
| 1           | 478.6 | 479.5 | 480.5 | 481.5 | 482.2 | 483.7 | 486.5 | 491.2 | 493.1 | 497.5 | 502.8 | 506.5 | 508   | 504.1 | 499.8 |
| 1.5         | 482.7 | 484.1 | 485.9 | 486.6 | 489.6 | 490.2 | 493.9 | 495   | 499.3 | 500.1 | 501.1 | 505.1 | 510.5 | 512.4 | 509   |
| 2           | 487.6 | 489.1 | 490.3 | 492.3 | 496.1 | 496.7 | 500.6 | 500.7 | 503.2 | 506.3 | 506.8 | 507.8 | 511.6 | 513.7 | 512.7 |
| 2.5         | 492.5 | 493.6 | 495.1 | 497.6 | 500.1 | 501.3 | 505   | 506.7 | 508.3 | 510.5 | 512.5 | 513.1 | 514.1 | 515.5 | 514.9 |
| 3           | 496.7 | 497.9 | 499.9 | 502.7 | 504.4 | 505.9 | 509.5 | 512.2 | 513.5 | 515.1 | 516.8 | 517.9 | 518.2 | 518.2 | 517.4 |
| 4           | 508.7 | 509   | 510.6 | 512.9 | 513.6 | 514.9 | 517.9 | 521.1 | 522.2 | 523.4 | 524.6 | 525.1 | 527.1 | 525.6 | 523.6 |
| 5           | 518.8 | 519.4 | 520.6 | 521.2 | 521.7 | 522.6 | 524.2 | 526   | 527.6 | 528.7 | 530   | 531.2 | 531.7 | 532.4 | 529.9 |
| 6           | 525   | 525.4 | 526.5 | 527.3 | 528.2 | 529.1 | 529.7 | 530.1 | 530.4 | 530.8 | 531.5 | 532.8 | 533.7 | 533.4 | 533   |
| 7           | 521.5 | 521.8 | 523.2 | 524.5 | 525.2 | 525.5 | 526   | 526   | 525.8 | 525.7 | 526.6 | 527.7 | 530.6 | 528.2 | 524.8 |
| 8           | 504.2 | 505.1 | 508.1 | 510.3 | 511.8 | 512.5 | 513.4 | 513.5 | 512.9 | 511.5 | 511.6 | 512.6 | 516   | 512.7 | 505.9 |
| 9           | 473.1 | 477.5 | 481.7 | 484.6 | 486.4 | 487.1 | 487.9 | 487.7 | 486.5 | 484.4 | 482.3 | 483.7 | 485.4 | 483.9 | 474.6 |
| 10          | 431.4 | 437   | 441.7 | 445.5 | 448.2 | 449.8 | 450.6 | 450.3 | 448.9 | 446.5 | 443.1 | 443   | 444.6 | 443.3 | 436.2 |
| 15          | 236   | 238.6 | 240.8 | 242.5 | 243.7 | 244.4 | 247.8 | 250.7 | 253.1 | 255   | 256.3 | 257.1 | 257.5 | 261.6 | 264.5 |
| 20          | 74.17 | 74.64 | 74.87 | 74.87 | 74.63 | 74.14 | 76.45 | 78.50 | 80.30 | 81.84 | 83.13 | 84.17 | 85.50 | 85.85 | 87.74 |
| 30          | 15.90 | 15.94 | 15.97 | 15.99 | 16.01 | 16.01 | 16.04 | 16.06 | 16.07 | 16.07 | 16.07 | 16.05 | 16.00 | 15.92 | 15.80 |
| 45          | 3.76  | 3.76  | 3.75  | 3.75  | 3.75  | 3.74  | 3.75  | 3.75  | 3.75  | 3.75  | 3.75  | 3.75  | 3.74  | 3.73  | 3.71  |
| 60          | 3.13  | 3.13  | 3.13  | 3.13  | 3.13  | 3.13  | 3.11  | 3.09  | 3.07  | 3.05  | 3.03  | 3.01  | 2.98  | 2.94  | 2.91  |
| 75          | 0.80  | 0.80  | 0.79  | 0.79  | 0.79  | 0.78  | 0.78  | 0.77  | 0.77  | 0.77  | 0.76  | 0.76  | 0.75  | 0.74  | 0.73  |
| 90          | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.09  | 0.09  | 0.09  |

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         | 1.80  | 1.82  | 1.84  | 1.85  | 1.93  | 1.83  | 1.62  | 2.17  | 3.19 | 1.07 |      |  |  |  |  |
| -75         | 2.63  | 2.61  | 2.59  | 2.57  | 2.47  | 2.33  | 2.11  | 2.11  | 1.67 | 3.43 |      |  |  |  |  |
| -60         | 12.63 | 12.55 | 12.47 | 12.38 | 11.49 | 9.74  | 6.18  | 3.17  | 2.93 | 1.92 |      |  |  |  |  |
| -45         | 113.8 | 107.7 | 100.8 | 93.23 | 52.13 | 34.57 | 17.48 | 7.54  | 2.54 | 1.71 |      |  |  |  |  |
| -30         | 365.8 | 362.5 | 361.1 | 358.2 | 325.2 | 274.1 | 101.5 | 13.16 | 3.22 | 1.97 |      |  |  |  |  |
| -20         | 432.9 | 422.9 | 412.9 | 403.8 | 367.8 | 344.5 | 213.1 | 14.89 | 3.50 | 2.04 |      |  |  |  |  |
| -15         | 482.8 | 474.7 | 463.6 | 449.7 | 381   | 367.8 | 219   | 14.98 | 3.57 | 2.07 |      |  |  |  |  |
| -10         | 484.5 | 476.3 | 467   | 457.1 | 391.8 | 374.9 | 228.8 | 15.08 | 3.57 | 2.06 |      |  |  |  |  |
| -9          | 480.3 | 473   | 463.8 | 454.1 | 392.3 | 375.7 | 230.3 | 15.03 | 3.56 | 2.05 |      |  |  |  |  |
| -8          | 475.7 | 469.5 | 461   | 450.9 | 397.2 | 378.5 | 224.5 | 14.95 | 3.55 | 2.04 |      |  |  |  |  |
| -7          | 471.1 | 465.8 | 457.9 | 448   | 400.3 | 383.3 | 216.9 | 14.85 | 3.54 | 2.03 |      |  |  |  |  |
| -6          | 468.2 | 463   | 455   | 444.9 | 401.8 | 388.6 | 209.7 | 14.73 | 3.52 | 2.02 |      |  |  |  |  |
| -5          | 466   | 460.9 | 454.3 | 448.4 | 402.6 | 384.6 | 202.8 | 14.58 | 3.50 | 2.01 |      |  |  |  |  |
| -4          | 464.6 | 461.9 | 457.4 | 452.1 | 404.2 | 375.8 | 195.9 | 14.42 | 3.47 | 2.00 |      |  |  |  |  |
| -3          | 465.8 | 463.4 | 459.4 | 454.7 | 413.7 | 368   | 188.8 | 14.24 | 3.45 | 1.99 |      |  |  |  |  |
| -2.5        | 466.5 | 464   | 460.1 | 456   | 418.3 | 364.2 | 185.2 | 14.15 | 3.43 | 1.99 |      |  |  |  |  |
| -2          | 467.2 | 465.4 | 462.1 | 457.6 | 422.8 | 360.4 | 181.4 | 14.05 | 3.42 | 1.98 |      |  |  |  |  |
| -1.5        | 469.9 | 468.5 | 464.2 | 459.2 | 427.2 | 356.6 | 177.4 | 13.95 | 3.40 | 1.97 |      |  |  |  |  |
| -1          | 473.4 | 471.6 | 466.2 | 460.6 | 431.4 | 352.7 | 173.3 | 13.84 | 3.38 | 1.97 |      |  |  |  |  |
| -0.5        | 476.8 | 474.6 | 468.2 | 462   | 435.6 | 348.5 | 169   | 13.73 | 3.37 | 1.96 |      |  |  |  |  |
| 0           | 480.2 | 477.6 | 470   | 463.3 | 439.6 | 344   | 164.4 | 13.62 | 3.35 | 1.95 | 0.81 |  |  |  |  |
| 0.5         | 488.2 | 485.3 | 478.5 | 471.8 | 434.6 | 336.3 | 156.6 | 13.51 | 3.33 | 1.95 |      |  |  |  |  |
| 1           | 496.1 | 492.9 | 486.8 | 480   | 429.3 | 328.3 | 148.5 | 13.40 | 3.32 | 1.95 |      |  |  |  |  |
| 1.5         | 504   | 500.5 | 495.1 | 488   | 423.5 | 320.1 | 140.3 | 13.28 | 3.30 | 1.95 |      |  |  |  |  |
| 2           | 510.7 | 508.1 | 503.2 | 495.5 | 417.2 | 311.7 | 132   | 13.16 | 3.28 | 1.94 |      |  |  |  |  |
| 2.5         | 513.6 | 512.6 | 510.5 | 502.5 | 410   | 303.1 | 123.5 | 13.04 | 3.26 | 1.94 |      |  |  |  |  |
| 3           | 516.5 | 515.7 | 512.8 | 505.5 | 402   | 294.6 | 115   | 12.91 | 3.24 | 1.94 |      |  |  |  |  |
| 4           | 522.7 | 522.1 | 516.3 | 505.1 | 382.8 | 277.6 | 98.16 | 12.63 | 3.21 | 1.93 |      |  |  |  |  |
| 5           | 527.5 | 523.8 | 515.8 | 501.7 | 368.6 | 261.2 | 81.65 | 12.33 | 3.16 | 1.93 |      |  |  |  |  |
| 6           | 527.2 | 518.7 | 506   | 492   | 354.3 | 249.9 | 65.86 | 12.00 | 3.12 | 1.92 |      |  |  |  |  |
| 7           | 518   | 502.5 | 486.9 | 470.1 | 339.9 | 244.1 | 51.11 | 11.64 | 3.08 | 1.92 |      |  |  |  |  |
| 8           | 493.1 | 478.6 | 461.5 | 442.5 | 325   | 236.4 | 37.69 | 11.24 | 3.03 | 1.91 |      |  |  |  |  |
| 9           | 461.2 | 446.4 | 429.4 | 411.2 | 312.7 | 226.6 | 27.04 | 10.80 | 2.99 | 1.91 |      |  |  |  |  |
| 10          | 424   | 410.3 | 395.3 | 378.5 | 297.4 | 213.3 | 26.09 | 10.31 | 2.94 | 1.90 |      |  |  |  |  |
| 15          | 265.7 | 266.2 | 260.6 | 251.9 | 181   | 98.73 | 20.42 | 7.40  | 2.69 | 1.88 |      |  |  |  |  |
| 20          | 87.56 | 84.51 | 78.22 | 70.92 | 49.28 | 29.69 | 16.30 | 5.52  | 2.47 | 1.87 |      |  |  |  |  |
| 30          | 15.65 | 15.52 | 15.46 | 15.37 | 14.46 | 13.16 | 10.73 | 3.49  | 2.21 | 1.99 |      |  |  |  |  |
| 45          | 3.69  | 3.66  | 3.63  | 3.60  | 3.53  | 3.40  | 3.04  | 2.22  | 1.98 | 2.50 |      |  |  |  |  |
| 60          | 2.87  | 2.84  | 2.81  | 2.78  | 2.70  | 2.73  | 2.74  | 2.59  | 2.25 | 0.74 |      |  |  |  |  |
| 75          | 0.71  | 0.70  | 0.69  | 0.68  | 0.62  | 0.62  | 0.57  | 0.42  | 0.23 | 0.78 |      |  |  |  |  |
| 90          | 0.09  | 0.08  | 0.08  | 0.08  | 0.06  | 0.05  | 0.02  | 0.01  | 0.20 | 0.42 |      |  |  |  |  |

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: