

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 3971.6 cd per klm.     |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 49.8V x 49.5H |
|             | At 50% of Imax | 20.4V x 20.4H |
|             | At 90% of Imax | 7.2V x 7.2H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.2 lumens per klm. |
|           | To 10% of Imax | 683.0 lumens per klm.  |
|           | To 50% of Imax | 275.6 lumens per klm.  |
|           | To 90% of Imax | 47.9 lumens per klm.   |

|              |        |
|--------------|--------|
| Upward LOR   | 2.3 %  |
| Downward LOR | 97.7 % |

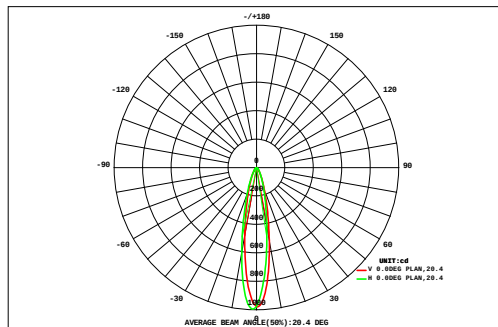
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                        |                  |                         |
|----------------------------------------|------------------|-------------------------|
| NAME: Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE: RGBW-3000K | WEIGHT:                 |
| SPEC.: 20 DEG                          | DIM.: 510mm      | SERIAL No.: IES001031-W |
| MFR.:                                  | SUR.:            | Shielding Angle:        |



| DATA OF LAMP     |       | Eff: 33.36lm/W  |           |
|------------------|-------|-----------------|-----------|
| MODEL            |       | Imax(cd)        | 993.7     |
| NOMINAL POWER(W) | 7.5   | AVAILABILITY(%) | 68.0      |
| RATED VOLTAGE(V) | 48    | Avai. FLUX(lm)  | 170.2     |
| NOMINAL FLUX(lm) | 250.2 | LOR(%)          | 100.0     |
| LAMPS INSIDE     | 1     | TOTAL FLUX(lm)  | 250.2     |
| TEST VOLTAGE(V)  | 48    | q @50%(H, V)    | 20, 20DEG |

|                |      | AREA FLUX DIAGRAM |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      |      |      | F t  | F a |
|----------------|------|-------------------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|------|-----|
|                |      | 0.05              | 0.06 | 0.08 | 0.09 | 0.11 | 0.13 | 0.15 | 0.16             | 0.16 | 0.16 | 0.15 | 0.13 | 0.12 | 0.10 | 0.08 | 0.07    | 0.05 | 0.04 | 1.89 | 0.00 |     |
| VERTICAL (DEG) | 45   | 0.06              | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.21 | 0.23             | 0.24 | 0.23 | 0.21 | 0.18 | 0.15 | 0.13 | 0.10 | 0.08    | 0.06 | 0.05 | 2.55 | 0.00 |     |
|                | 40   | 0.07              | 0.09 | 0.12 | 0.16 | 0.21 | 0.26 | 0.30 | 0.34             | 0.35 | 0.34 | 0.30 | 0.26 | 0.21 | 0.17 | 0.13 | 0.10    | 0.08 | 0.06 | 3.53 | 0.00 |     |
|                | 35   | 0.08              | 0.11 | 0.15 | 0.21 | 0.28 | 0.36 | 0.44 | 0.50             | 0.54 | 0.52 | 0.46 | 0.37 | 0.29 | 0.23 | 0.17 | 0.13    | 0.09 | 0.07 | 4.99 | 0.00 |     |
|                | 30   | 0.09              | 0.13 | 0.19 | 0.27 | 0.38 | 0.51 | 0.65 | 0.78             | 0.84 | 0.82 | 0.70 | 0.55 | 0.42 | 0.31 | 0.22 | 0.15    | 0.11 | 0.07 | 7.19 | 2.07 |     |
|                | 25   | 0.10              | 0.15 | 0.23 | 0.34 | 0.49 | 0.70 | 0.97 | 1.23             | 1.39 | 1.34 | 1.10 | 0.83 | 0.60 | 0.42 | 0.28 | 0.19    | 0.13 | 0.08 | 10.6 | 7.07 |     |
|                | 20   | 0.12              | 0.18 | 0.27 | 0.41 | 0.63 | 0.96 | 1.44 | 2.02             | 2.41 | 2.27 | 1.73 | 1.22 | 0.82 | 0.54 | 0.35 | 0.23    | 0.14 | 0.09 | 15.8 | 12.8 |     |
|                | 15   | 0.12              | 0.19 | 0.30 | 0.48 | 0.76 | 1.25 | 2.04 | 3.19             | 4.16 | 3.84 | 2.72 | 1.74 | 1.11 | 0.69 | 0.42 | 0.26    | 0.16 | 0.10 | 23.6 | 21.0 |     |
|                | 10   | 0.13              | 0.20 | 0.32 | 0.52 | 0.86 | 1.47 | 2.59 | 4.38             | 6.18 | 5.79 | 4.17 | 2.55 | 1.46 | 0.83 | 0.48 | 0.28    | 0.17 | 0.10 | 32.5 | 30.1 |     |
|                | 5    | 0.13              | 0.21 | 0.33 | 0.53 | 0.89 | 1.56 | 2.83 | 4.90             | 6.81 | 6.93 | 5.00 | 2.90 | 1.58 | 0.87 | 0.49 | 0.29    | 0.17 | 0.10 | 36.5 | 34.1 |     |
|                | 0    | 0.12              | 0.20 | 0.31 | 0.51 | 0.85 | 1.46 | 2.55 | 4.10             | 5.46 | 5.38 | 3.97 | 2.45 | 1.40 | 0.80 | 0.46 | 0.27    | 0.16 | 0.10 | 30.5 | 28.1 |     |
|                | -5   | 0.11              | 0.18 | 0.28 | 0.45 | 0.73 | 1.18 | 1.85 | 2.71             | 3.40 | 3.34 | 2.58 | 1.74 | 1.09 | 0.66 | 0.40 | 0.24    | 0.15 | 0.09 | 21.2 | 18.6 |     |
|                | -10  | 0.10              | 0.16 | 0.24 | 0.37 | 0.57 | 0.85 | 1.23 | 1.64             | 1.94 | 1.91 | 1.57 | 1.16 | 0.79 | 0.51 | 0.33 | 0.21    | 0.13 | 0.08 | 13.8 | 10.8 |     |
|                | -15  | 0.09              | 0.13 | 0.20 | 0.29 | 0.42 | 0.59 | 0.79 | 0.99             | 1.11 | 1.10 | 0.95 | 0.74 | 0.54 | 0.38 | 0.26 | 0.17    | 0.11 | 0.07 | 8.92 | 5.10 |     |
|                | -20  | 0.07              | 0.11 | 0.15 | 0.22 | 0.30 | 0.40 | 0.51 | 0.60             | 0.66 | 0.65 | 0.58 | 0.48 | 0.37 | 0.27 | 0.19 | 0.14    | 0.09 | 0.06 | 5.88 | 0.35 |     |
|                | -25  | 0.06              | 0.09 | 0.12 | 0.16 | 0.22 | 0.28 | 0.33 | 0.38             | 0.41 | 0.41 | 0.37 | 0.31 | 0.25 | 0.19 | 0.15 | 0.11    | 0.08 | 0.05 | 3.96 | 0.00 |     |
|                | -30  | 0.05              | 0.07 | 0.09 | 0.12 | 0.15 | 0.19 | 0.22 | 0.25             | 0.26 | 0.26 | 0.24 | 0.21 | 0.17 | 0.14 | 0.11 | 0.08    | 0.06 | 0.04 | 2.72 | 0.00 |     |
| -35            | 0.04 | 0.05              | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17             | 0.17 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.06 | 0.05    | 0.04 | 1.90 | 0.00 |      |     |
| -40            | 0.04 | 0.05              | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17             | 0.17 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.06 | 0.05    | 0.04 | 1.90 | 0.00 |      |     |
| -45            | -45  | -40               | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL (DEG) |      |      |      | 10   | 15   | 20   | 25   | 30      | 35   | 40   | 45   |      |     |
| F t            | 1.59 | 2.37              | 3.56 | 5.35 | 8.10 | 12.4 | 19.3 | 28.5 | 36.5             | 35.4 | 26.9 | 18.0 | 11.5 | 7.34 | 4.72 | 3.05 | 1.99    | 1.31 | 228  | ---  |      |     |
| F a            | 0.00 | 0.00              | 0.00 | 0.00 | 3.65 | 9.02 | 16.2 | 25.6 | 33.7             | 32.6 | 24.0 | 14.8 | 7.93 | 2.68 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 170  |      |     |

one-half-peak spread: U:10.5,D:10.1 , L:10.5,R:10.1

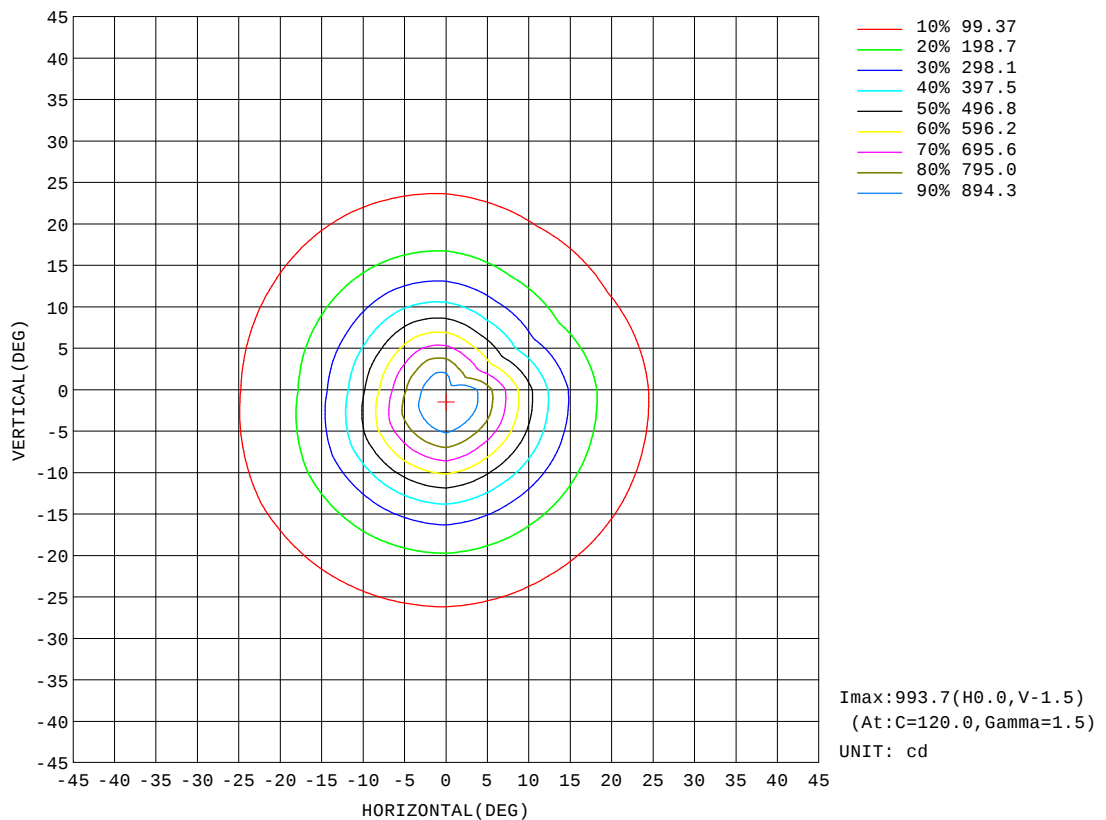
NEMA Beam Type: Type 4

H<sub>(b)</sub> Range: -90 - 90DEG  
 H<sub>(b)</sub> Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature: 25.3DEG  
 Operators: Fan  
 Test Date: 2023-05-17

V(B) Range: -180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 8.630m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                       |                 |                        |
|---------------------------------------|-----------------|------------------------|
| NAME:Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE:RGBW-3000K | WEIGHT:                |
| SPEC.:20 DEG                          | DIM.:510mm      | SERIAL No.:IES001031-W |
| MFR.:                                 | SUR.:           | Shielding Angle:       |

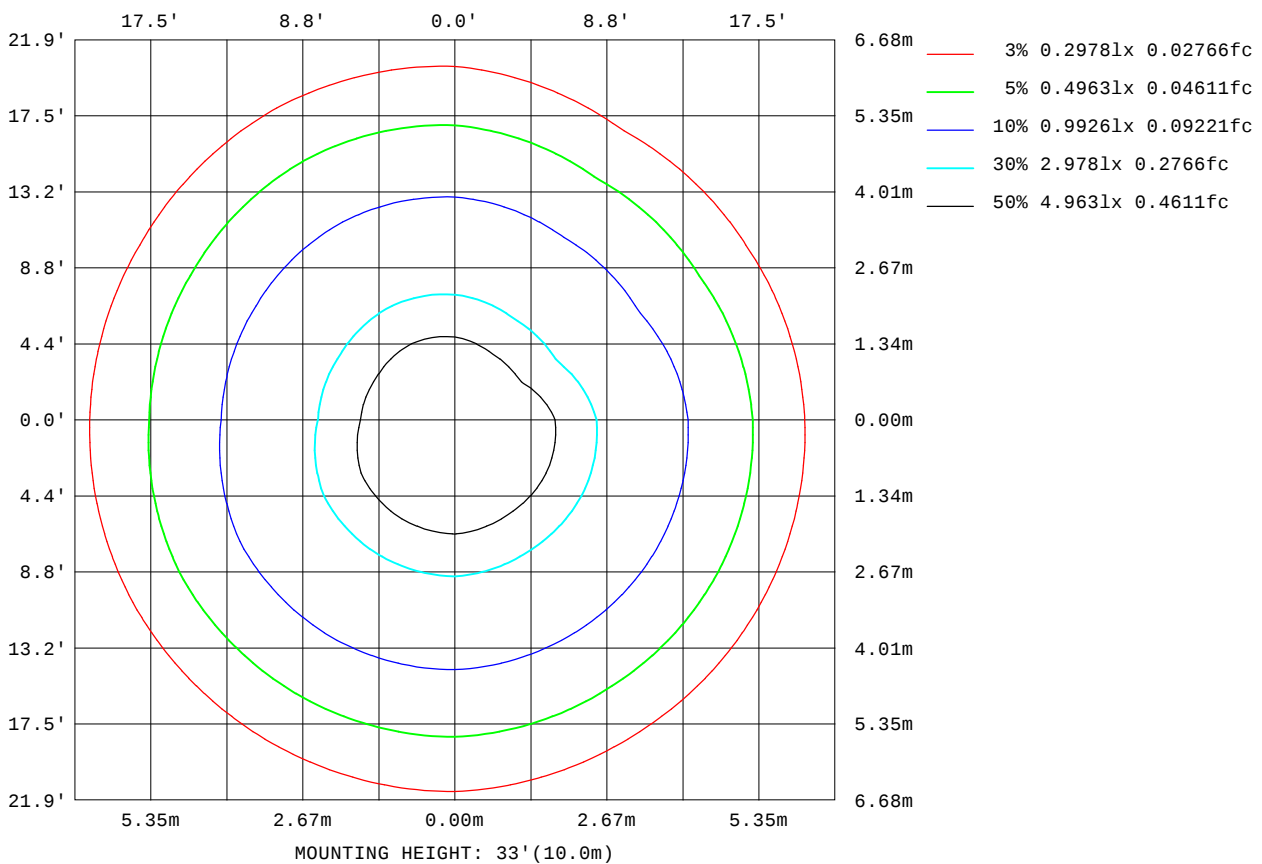


H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

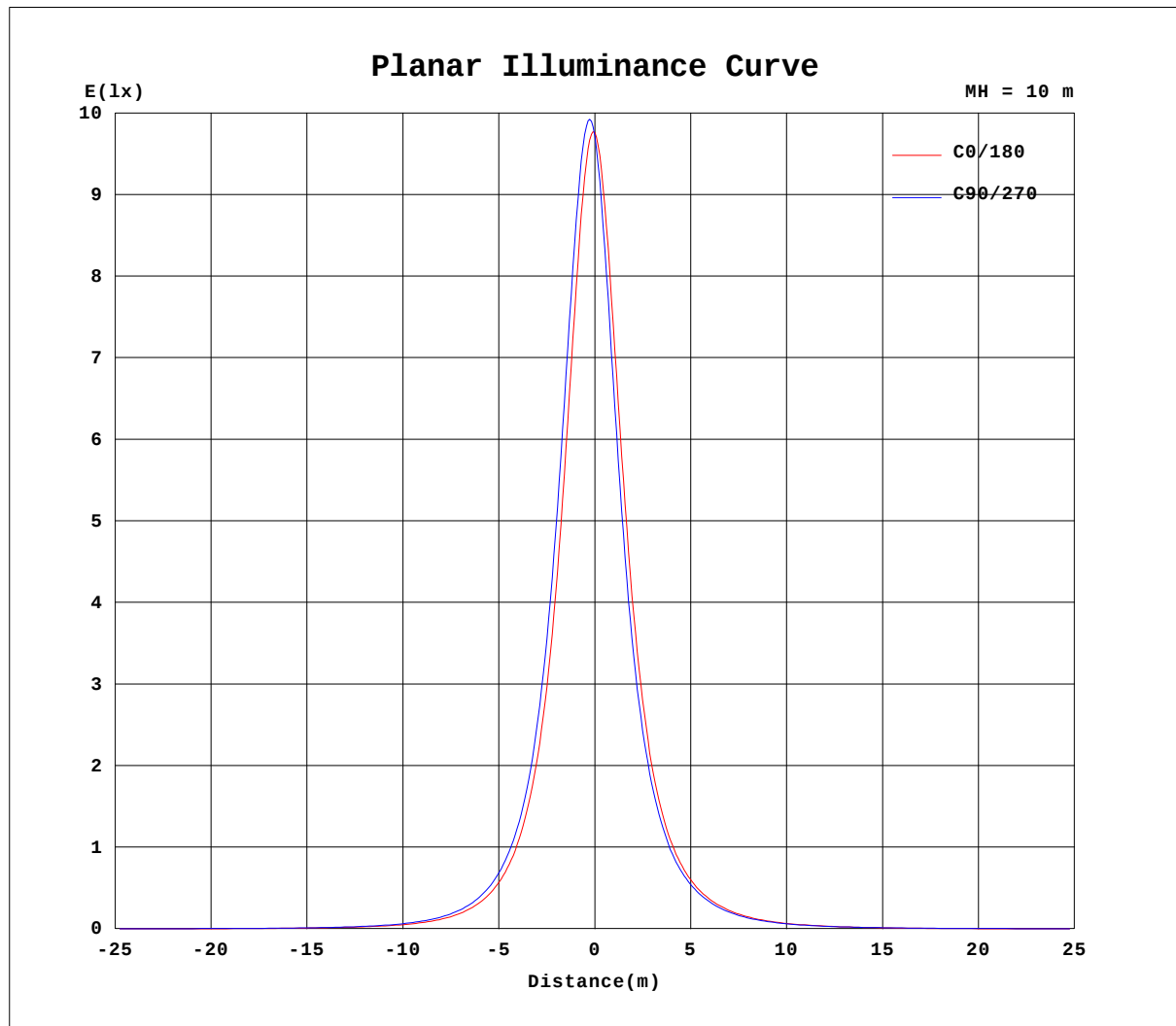
|                                        |                  |                         |
|----------------------------------------|------------------|-------------------------|
| NAME: Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE: RGBW-3000K | WEIGHT:                 |
| SPEC.: 20 DEG                          | DIM.: 510mm      | SERIAL No.: IES001031-W |
| MFR.:                                  | SUR.:            | Shielding Angle:        |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators: Fan  
Test Date: 2023-05-17

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 8.630m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

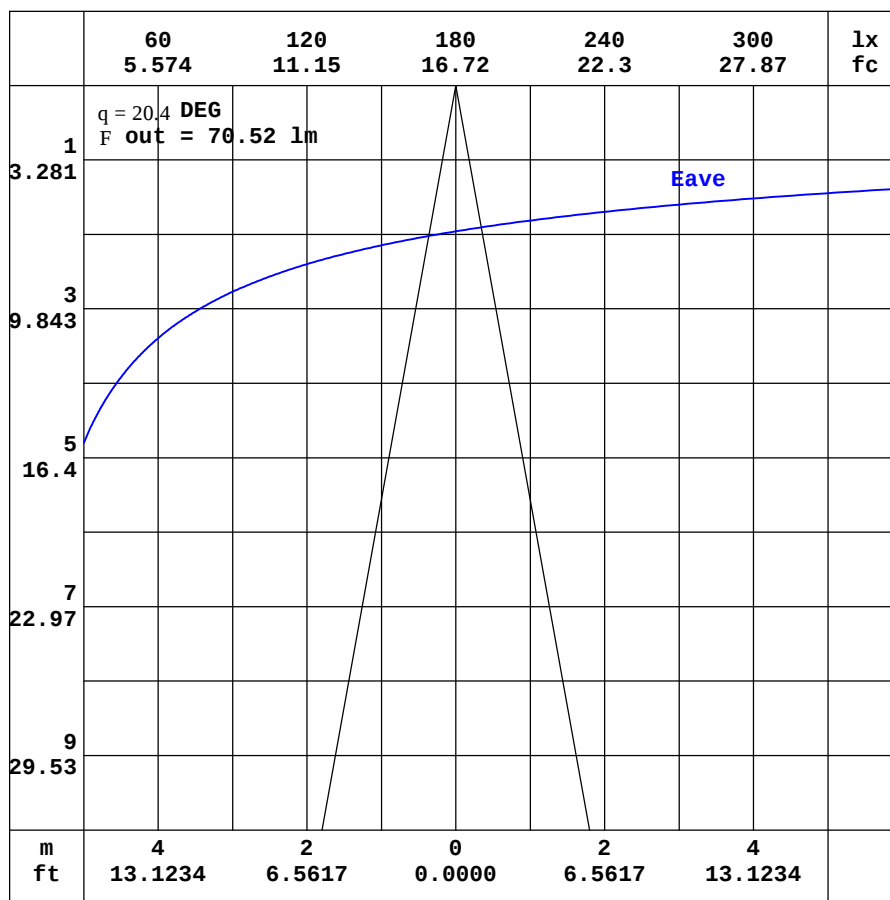


H<sub>b</sub> Range: -90 - 90DEG  
H<sub>b</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators: Fan  
Test Date: 2023-05-17

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 8.630m [K=1.0000]  
Remarks:

### AAI CURVES

|                                        |                  |                         |
|----------------------------------------|------------------|-------------------------|
| NAME: Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE: RGBW-3000K | WEIGHT:                 |
| SPEC.: 20 DEG                          | DIM.: 510mm      | SERIAL No.: IES001031-W |
| MFR.:                                  | SUR.:            | Shielding Angle:        |



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

H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators: Fan  
Test Date: 2023-05-17

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 8.630m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                       |                 |                        |
|---------------------------------------|-----------------|------------------------|
| NAME:Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE:RGBW-3000K | WEIGHT:                |
| SPEC.:20 DEG                          | DIM.:510mm      | SERIAL No.:IES001031-W |
| MFR.:                                 | SUR.:           | Shielding Angle:       |

Table--1

UNIT: cd

| H(°) \ V(°) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180        | 0.88 | 0.80 | 0.74 | 0.74 | 0.76 | 0.80 | 0.90 | 1.06 | 1.28 | 1.51 | 1.71 | 1.84 | 1.91 | 1.91 | 1.91 | 1.89 | 1.87 | 1.83 | 1.79 |
| -170        | 0.88 | 0.80 | 0.75 | 0.75 | 0.74 | 0.75 | 0.79 | 0.88 | 0.99 | 1.13 | 1.23 | 1.30 | 1.33 | 1.33 | 1.32 | 1.35 | 1.45 | 1.55 | 1.74 |
| -160        | 0.88 | 0.80 | 0.75 | 0.76 | 0.74 | 0.71 | 0.68 | 0.68 | 0.71 | 0.73 | 0.75 | 0.73 | 0.73 | 0.86 | 1.00 | 1.12 | 1.23 | 1.35 | 1.44 |
| -150        | 0.88 | 0.81 | 0.77 | 0.76 | 0.75 | 0.69 | 0.62 | 0.55 | 0.49 | 0.42 | 0.36 | 0.43 | 0.51 | 0.60 | 0.70 | 0.78 | 0.88 | 0.96 | 1.02 |
| -140        | 0.88 | 0.82 | 0.78 | 0.77 | 0.77 | 0.73 | 0.63 | 0.50 | 0.39 | 0.34 | 0.35 | 0.37 | 0.39 | 0.41 | 0.43 | 0.48 | 0.53 | 0.58 | 0.61 |
| -130        | 0.88 | 0.83 | 0.78 | 0.77 | 0.79 | 0.78 | 0.72 | 0.59 | 0.52 | 0.48 | 0.46 | 0.45 | 0.44 | 0.44 | 0.41 | 0.38 | 0.37 | 0.36 | 0.35 |
| -120        | 0.88 | 0.83 | 0.79 | 0.78 | 0.79 | 0.80 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.70 | 0.70 | 0.67 | 0.57 | 0.49 | 0.41 | 0.35 | 0.29 |
| -110        | 0.88 | 0.83 | 0.80 | 0.78 | 0.78 | 0.79 | 0.82 | 0.83 | 0.83 | 0.84 | 0.84 | 0.84 | 0.86 | 0.86 | 0.80 | 0.70 | 0.61 | 0.52 | 0.42 |
| -100        | 0.88 | 0.84 | 0.81 | 0.78 | 0.77 | 0.76 | 0.76 | 0.77 | 0.79 | 0.80 | 0.81 | 0.82 | 0.83 | 0.76 | 0.68 | 0.59 | 0.51 | 0.42 | 0.33 |
| -90         | 0.88 | 0.86 | 0.83 | 0.81 | 0.78 | 0.76 | 0.73 | 0.75 | 0.77 | 0.79 | 0.81 | 0.83 | 0.85 | 0.76 | 0.67 | 0.57 | 0.48 | 0.39 | 0.30 |
| -80         | 0.88 | 0.87 | 0.86 | 0.88 | 0.91 | 0.97 | 1.05 | 1.15 | 1.26 | 1.36 | 1.46 | 1.55 | 1.64 | 1.62 | 1.57 | 1.52 | 1.45 | 1.38 | 1.30 |
| -70         | 0.88 | 0.89 | 0.93 | 1.03 | 1.17 | 1.34 | 1.56 | 1.80 | 2.02 | 2.25 | 2.46 | 2.68 | 2.90 | 3.01 | 3.06 | 3.09 | 3.09 | 3.06 | 3.00 |
| -60         | 0.88 | 0.91 | 1.02 | 1.18 | 1.40 | 1.71 | 2.11 | 2.56 | 2.97 | 3.40 | 3.85 | 4.33 | 4.80 | 5.21 | 5.50 | 5.75 | 5.92 | 6.01 | 5.99 |
| -50         | 0.88 | 0.94 | 1.09 | 1.30 | 1.61 | 2.04 | 2.67 | 3.43 | 4.18 | 4.99 | 5.91 | 6.92 | 8.06 | 9.21 | 10.2 | 11.1 | 11.8 | 12.2 | 12.4 |
| -40         | 0.88 | 0.97 | 1.13 | 1.39 | 1.76 | 2.42 | 3.40 | 4.51 | 5.74 | 7.24 | 9.07 | 11.3 | 13.9 | 16.9 | 20.0 | 22.9 | 25.3 | 27.0 | 27.6 |
| -30         | 0.88 | 0.99 | 1.17 | 1.44 | 1.83 | 2.91 | 4.20 | 5.78 | 7.85 | 10.3 | 13.7 | 18.3 | 24.4 | 31.9 | 40.7 | 50.3 | 59.2 | 65.9 | 68.4 |
| -20         | 0.88 | 1.00 | 1.18 | 1.44 | 2.00 | 3.27 | 5.09 | 7.12 | 10.2 | 14.3 | 19.9 | 28.2 | 40.4 | 57.9 | 82.1 | 114  | 151  | 181  | 193  |
| -10         | 0.88 | 1.01 | 1.17 | 1.39 | 2.11 | 3.61 | 5.50 | 8.38 | 12.3 | 17.7 | 25.5 | 37.7 | 57.0 | 88.7 | 143  | 232  | 369  | 526  | 607  |
| 0           | 0.88 | 1.01 | 1.15 | 1.31 | 2.10 | 3.58 | 5.73 | 8.81 | 13.6 | 19.2 | 27.9 | 41.4 | 62.5 | 97.1 | 158  | 275  | 484  | 782  | 976  |
| 10          | 0.88 | 1.01 | 1.19 | 1.44 | 2.19 | 3.75 | 5.69 | 8.63 | 12.4 | 17.8 | 25.4 | 36.8 | 54.0 | 80.2 | 121  | 187  | 283  | 389  | 421  |
| 20          | 0.88 | 1.01 | 1.22 | 1.52 | 2.16 | 3.52 | 5.45 | 7.59 | 10.8 | 14.3 | 20.2 | 27.6 | 38.1 | 52.3 | 70.9 | 93.7 | 118  | 136  | 142  |
| 30          | 0.88 | 1.00 | 1.22 | 1.56 | 2.04 | 3.24 | 4.69 | 6.42 | 8.67 | 11.2 | 13.7 | 18.8 | 24.1 | 30.5 | 37.8 | 45.4 | 51.6 | 55.8 | 56.7 |
| 40          | 0.88 | 0.99 | 1.20 | 1.52 | 2.00 | 2.79 | 3.94 | 5.25 | 6.67 | 8.26 | 10.1 | 12.0 | 14.3 | 17.1 | 20.0 | 22.3 | 24.2 | 25.4 | 25.5 |
| 50          | 0.88 | 0.97 | 1.15 | 1.43 | 1.85 | 2.41 | 3.20 | 4.15 | 5.01 | 5.87 | 6.80 | 7.80 | 8.91 | 9.95 | 11.0 | 11.8 | 12.4 | 12.7 | 12.8 |
| 60          | 0.88 | 0.94 | 1.08 | 1.30 | 1.61 | 2.04 | 2.57 | 3.15 | 3.58 | 4.03 | 4.50 | 5.00 | 5.47 | 5.94 | 6.26 | 6.55 | 6.78 | 6.90 | 6.92 |
| 70          | 0.88 | 0.93 | 1.00 | 1.14 | 1.33 | 1.59 | 1.91 | 2.19 | 2.41 | 2.64 | 2.87 | 3.07 | 3.25 | 3.43 | 3.56 | 3.67 | 3.74 | 3.77 | 3.77 |
| 80          | 0.88 | 0.91 | 0.94 | 0.98 | 1.05 | 1.14 | 1.26 | 1.36 | 1.44 | 1.53 | 1.60 | 1.68 | 1.74 | 1.79 | 1.81 | 1.83 | 1.83 | 1.82 | 1.79 |
| 90          | 0.88 | 0.89 | 0.90 | 0.91 | 0.92 | 0.93 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.92 |
| 100         | 0.88 | 0.88 | 0.87 | 0.87 | 0.86 | 0.85 | 0.85 | 0.83 | 0.81 | 0.79 | 0.78 | 0.76 | 0.75 | 0.75 | 0.75 | 0.76 | 0.76 | 0.77 | 0.77 |
| 110         | 0.88 | 0.86 | 0.85 | 0.82 | 0.80 | 0.80 | 0.79 | 0.77 | 0.76 | 0.76 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 |
| 120         | 0.88 | 0.85 | 0.82 | 0.79 | 0.77 | 0.76 | 0.76 | 0.75 | 0.75 | 0.76 | 0.76 | 0.79 | 0.81 | 0.84 | 0.85 | 0.87 | 0.88 | 0.88 | 0.87 |
| 130         | 0.88 | 0.85 | 0.79 | 0.76 | 0.76 | 0.75 | 0.75 | 0.75 | 0.77 | 0.82 | 0.88 | 0.95 | 1.03 | 1.12 | 1.19 | 1.25 | 1.29 | 1.31 | 1.32 |
| 140         | 0.88 | 0.84 | 0.78 | 0.75 | 0.75 | 0.75 | 0.76 | 0.79 | 0.86 | 0.97 | 1.10 | 1.24 | 1.39 | 1.52 | 1.63 | 1.70 | 1.74 | 1.76 | 1.77 |
| 150         | 0.88 | 0.82 | 0.77 | 0.75 | 0.75 | 0.76 | 0.79 | 0.88 | 1.00 | 1.16 | 1.35 | 1.52 | 1.68 | 1.80 | 1.91 | 1.97 | 2.00 | 2.01 | 2.01 |
| 160         | 0.88 | 0.81 | 0.75 | 0.75 | 0.75 | 0.78 | 0.84 | 0.97 | 1.14 | 1.35 | 1.55 | 1.71 | 1.83 | 1.93 | 2.00 | 2.05 | 2.08 | 2.09 | 2.11 |
| 170         | 0.88 | 0.80 | 0.75 | 0.75 | 0.75 | 0.79 | 0.88 | 1.04 | 1.24 | 1.47 | 1.67 | 1.81 | 1.91 | 1.94 | 1.98 | 2.00 | 2.00 | 1.98 | 2.07 |
| 180         | 0.88 | 0.80 | 0.74 | 0.74 | 0.76 | 0.80 | 0.90 | 1.06 | 1.28 | 1.51 | 1.71 | 1.84 | 1.91 | 1.91 | 1.91 | 1.89 | 1.87 | 1.83 | 1.83 |

H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature:25.3DEG  
 Operators:Fan  
 Test Date:2023-05-17

V(B) Range:-180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:8.630m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                       |                 |                        |
|---------------------------------------|-----------------|------------------------|
| NAME:Medusa-510mm-RGBW 3000K-20D-ReV1 | TYPE:RGBW-3000K | WEIGHT:                |
| SPEC.:20 DEG                          | DIM.:510mm      | SERIAL No.:IES001031-W |
| MFR.:                                 | SUR.:           | Shielding Angle:       |

Table--2

UNIT: cd

| H(°) \ V(°) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180        | 1.67 | 1.57 | 1.46 | 1.32 | 1.15 | 0.96 | 0.77 | 0.59 | 0.45 | 0.35 | 0.31 | 0.32 | 0.35 | 0.34 | 0.34 | 0.34 | 0.29 | 0.21 |
| -170        | 1.65 | 1.58 | 1.48 | 1.33 | 1.14 | 0.95 | 0.76 | 0.59 | 0.44 | 0.34 | 0.32 | 0.32 | 0.34 | 0.34 | 0.34 | 0.34 | 0.29 | 0.21 |
| -160        | 1.40 | 1.33 | 1.23 | 1.11 | 0.97 | 0.82 | 0.66 | 0.52 | 0.41 | 0.34 | 0.32 | 0.33 | 0.34 | 0.34 | 0.34 | 0.35 | 0.29 | 0.21 |
| -150        | 1.00 | 0.94 | 0.87 | 0.78 | 0.69 | 0.60 | 0.50 | 0.42 | 0.36 | 0.34 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.29 | 0.21 |
| -140        | 0.60 | 0.57 | 0.52 | 0.47 | 0.43 | 0.38 | 0.36 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 | 0.29 | 0.21 |
| -130        | 0.34 | 0.33 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.34 | 0.35 | 0.31 | 0.28 | 0.21 |
| -120        | 0.30 | 0.30 | 0.32 | 0.32 | 0.34 | 0.35 | 0.34 | 0.35 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.33 | 0.31 | 0.27 | 0.21 |
| -110        | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.33 | 0.32 | 0.30 | 0.26 | 0.21 |
| -100        | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.35 | 0.33 | 0.32 | 0.29 | 0.27 | 0.24 | 0.21 |
| -90         | 0.30 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.29 | 0.27 | 0.26 | 0.24 | 0.23 | 0.21 |
| -80         | 1.28 | 1.25 | 1.22 | 1.17 | 1.12 | 1.06 | 0.99 | 0.91 | 0.83 | 0.74 | 0.66 | 0.56 | 0.44 | 0.35 | 0.28 | 0.24 | 0.22 | 0.21 |
| -70         | 2.94 | 2.85 | 2.73 | 2.59 | 2.43 | 2.25 | 2.07 | 1.87 | 1.67 | 1.47 | 1.28 | 1.04 | 0.75 | 0.54 | 0.38 | 0.27 | 0.22 | 0.21 |
| -60         | 5.84 | 5.60 | 5.28 | 4.90 | 4.48 | 4.05 | 3.62 | 3.19 | 2.77 | 2.37 | 2.00 | 1.49 | 1.04 | 0.69 | 0.45 | 0.31 | 0.22 | 0.21 |
| -50         | 12.0 | 11.3 | 10.3 | 9.27 | 8.16 | 7.06 | 6.02 | 5.08 | 4.24 | 3.50 | 2.80 | 2.05 | 1.34 | 0.81 | 0.49 | 0.33 | 0.23 | 0.21 |
| -40         | 26.4 | 24.2 | 21.3 | 18.2 | 15.2 | 12.4 | 9.97 | 7.95 | 6.26 | 4.90 | 3.74 | 2.72 | 1.74 | 0.93 | 0.51 | 0.31 | 0.23 | 0.21 |
| -30         | 64.3 | 56.4 | 46.6 | 36.9 | 28.5 | 21.5 | 16.0 | 11.9 | 8.87 | 6.66 | 4.85 | 3.38 | 2.16 | 1.15 | 0.48 | 0.29 | 0.23 | 0.21 |
| -20         | 176  | 143  | 106  | 74.9 | 51.7 | 35.3 | 24.2 | 16.8 | 11.8 | 8.41 | 6.08 | 4.10 | 2.48 | 1.28 | 0.40 | 0.24 | 0.22 | 0.21 |
| -10         | 506  | 352  | 218  | 133  | 81.1 | 50.4 | 32.0 | 21.0 | 14.1 | 9.73 | 6.84 | 4.49 | 2.72 | 1.38 | 0.34 | 0.20 | 0.22 | 0.21 |
| 0           | 828  | 519  | 290  | 163  | 93.6 | 56.3 | 34.9 | 22.4 | 14.9 | 10.2 | 7.08 | 4.66 | 2.65 | 1.27 | 0.25 | 0.14 | 0.21 | 0.21 |
| 10          | 337  | 237  | 158  | 106  | 70.7 | 46.4 | 30.4 | 20.4 | 14.1 | 9.89 | 7.03 | 4.68 | 2.86 | 1.48 | 0.41 | 0.24 | 0.24 | 0.21 |
| 20          | 127  | 102  | 79.2 | 59.5 | 43.6 | 31.3 | 22.5 | 16.4 | 12.0 | 8.78 | 6.48 | 4.47 | 2.74 | 1.48 | 0.54 | 0.33 | 0.26 | 0.21 |
| 30          | 52.3 | 45.2 | 37.0 | 30.5 | 24.7 | 19.7 | 15.6 | 12.2 | 9.48 | 7.29 | 5.50 | 3.88 | 2.54 | 1.44 | 0.68 | 0.40 | 0.28 | 0.21 |
| 40          | 24.1 | 22.0 | 19.5 | 17.0 | 14.8 | 12.6 | 10.6 | 8.68 | 7.15 | 5.85 | 4.50 | 3.30 | 2.22 | 1.30 | 0.76 | 0.45 | 0.30 | 0.21 |
| 50          | 12.4 | 11.8 | 10.9 | 9.95 | 8.95 | 7.97 | 6.97 | 6.08 | 5.22 | 4.39 | 3.61 | 2.73 | 1.89 | 1.22 | 0.77 | 0.49 | 0.32 | 0.21 |
| 60          | 6.79 | 6.55 | 6.23 | 5.88 | 5.49 | 5.01 | 4.54 | 4.07 | 3.62 | 3.22 | 2.84 | 2.23 | 1.62 | 1.12 | 0.74 | 0.50 | 0.33 | 0.21 |
| 70          | 3.73 | 3.65 | 3.55 | 3.41 | 3.25 | 3.06 | 2.87 | 2.67 | 2.47 | 2.25 | 2.03 | 1.73 | 1.30 | 0.95 | 0.69 | 0.49 | 0.34 | 0.21 |
| 80          | 1.81 | 1.81 | 1.80 | 1.78 | 1.75 | 1.71 | 1.63 | 1.55 | 1.47 | 1.38 | 1.30 | 1.21 | 0.99 | 0.80 | 0.63 | 0.48 | 0.34 | 0.21 |
| 90          | 0.93 | 0.94 | 0.95 | 0.97 | 0.98 | 0.99 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.01 | 0.88 | 0.75 | 0.61 | 0.48 | 0.35 | 0.21 |
| 100         | 0.79 | 0.81 | 0.83 | 0.85 | 0.88 | 0.91 | 0.91 | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 | 0.84 | 0.73 | 0.61 | 0.49 | 0.35 | 0.21 |
| 110         | 0.77 | 0.80 | 0.84 | 0.86 | 0.88 | 0.90 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.90 | 0.80 | 0.71 | 0.60 | 0.50 | 0.36 | 0.21 |
| 120         | 0.92 | 0.97 | 0.99 | 1.02 | 1.03 | 1.01 | 0.97 | 0.94 | 0.92 | 0.92 | 0.92 | 0.85 | 0.76 | 0.68 | 0.58 | 0.48 | 0.36 | 0.21 |
| 130         | 1.35 | 1.37 | 1.37 | 1.36 | 1.33 | 1.23 | 1.13 | 1.04 | 0.96 | 0.93 | 0.88 | 0.80 | 0.72 | 0.64 | 0.57 | 0.47 | 0.37 | 0.21 |
| 140         | 1.79 | 1.79 | 1.78 | 1.76 | 1.66 | 1.53 | 1.38 | 1.23 | 1.08 | 0.95 | 0.81 | 0.73 | 0.66 | 0.59 | 0.53 | 0.45 | 0.36 | 0.21 |
| 150         | 2.01 | 2.02 | 2.00 | 1.96 | 1.86 | 1.73 | 1.60 | 1.44 | 1.15 | 0.91 | 0.75 | 0.65 | 0.59 | 0.54 | 0.49 | 0.43 | 0.34 | 0.21 |
| 160         | 2.07 | 2.03 | 2.00 | 1.96 | 1.91 | 1.82 | 1.57 | 1.31 | 1.04 | 0.81 | 0.65 | 0.56 | 0.52 | 0.48 | 0.44 | 0.41 | 0.33 | 0.21 |
| 170         | 1.93 | 1.94 | 1.94 | 1.83 | 1.66 | 1.45 | 1.22 | 1.00 | 0.79 | 0.60 | 0.50 | 0.45 | 0.43 | 0.41 | 0.39 | 0.38 | 0.31 | 0.21 |
| 180         | 1.67 | 1.57 | 1.46 | 1.32 | 1.15 | 0.96 | 0.77 | 0.59 | 0.45 | 0.35 | 0.31 | 0.32 | 0.35 | 0.34 | 0.34 | 0.34 | 0.29 | 0.21 |

H<sub>(b)</sub> Range: -90 - 90DEGH<sub>(b)</sub> Interval: 0.5DEG

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-05-17

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:8.630m [K=1.0000]

Remarks: