

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                                         |                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) | 2200.9 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
|---------------------------------------------------------|----------------------------------------------------------------------|

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 68.2V x 67.6H |
|             | At 50% of Imax | 32.5V x 32.3H |
|             | At 90% of Imax | 12.0V x 11.8H |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.2 lumens per klm. |
|           | To 10% of Imax | 787.0 lumens per klm.  |
|           | To 50% of Imax | 379.9 lumens per klm.  |
|           | To 90% of Imax | 69.9 lumens per klm.   |

|              |        |
|--------------|--------|
| Upward LOR   | 2.0 %  |
| Downward LOR | 98.0 % |

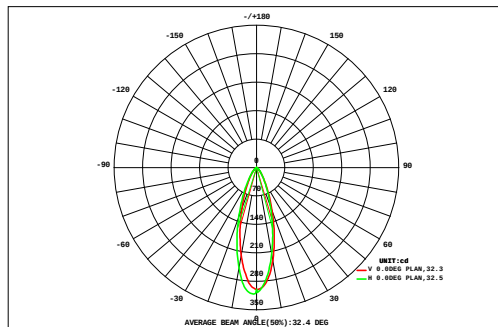
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-05-18

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 RED-35D-Rev1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| MFR.:                                | SUR.:          | Shielding Angle:        |



| DATA OF LAMP     |       | Eff: 19.26lm/W  |           |
|------------------|-------|-----------------|-----------|
| MODEL            |       | Imax(cd)        | 317.8     |
| NOMINAL POWER(W) | 7.5   | AVAILABILITY(%) | 78.3      |
| RATED VOLTAGE(V) | 48    | Avai. FLUX(lm)  | 113.1     |
| NOMINAL FLUX(lm) | 144.4 | LOR(%)          | 100.0     |
| LAMPS INSIDE     | 1     | TOTAL FLUX(lm)  | 144.4     |
| TEST VOLTAGE(V)  | 48    | q @50%(H,V)     | 32, 32DEG |

|                |      | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      | UNIT:lm |      |      |      | F t  | F a  |
|----------------|------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|---------|------|------|------|------|------|
|                |      | 0.03              | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.10 | 0.11             | 0.11 | 0.10 | 0.09 | 0.08 | 0.07 | 0.06 | 0.04    | 0.04 | 0.03 | 1.23 | 0.00 |      |
| VERTICAL (DEG) | 45   | 0.03              | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16             | 0.16 | 0.15 | 0.13 | 0.11 | 0.09 | 0.07 | 0.06    | 0.04 | 0.03 | 1.73 | 0.00 |      |
|                | 40   | 0.04              | 0.06 | 0.08 | 0.10 | 0.13 | 0.17 | 0.20 | 0.23 | 0.25             | 0.24 | 0.23 | 0.20 | 0.17 | 0.13 | 0.10 | 0.07    | 0.05 | 0.04 | 2.49 | 0.54 |      |
|                | 35   | 0.05              | 0.07 | 0.10 | 0.14 | 0.19 | 0.25 | 0.31 | 0.36 | 0.39             | 0.39 | 0.35 | 0.30 | 0.24 | 0.18 | 0.13 | 0.09    | 0.07 | 0.05 | 3.64 | 2.44 |      |
|                | 30   | 0.06              | 0.08 | 0.12 | 0.18 | 0.26 | 0.35 | 0.46 | 0.55 | 0.61             | 0.61 | 0.55 | 0.46 | 0.35 | 0.25 | 0.17 | 0.12    | 0.08 | 0.05 | 5.31 | 4.40 |      |
|                | 25   | 0.06              | 0.10 | 0.15 | 0.23 | 0.34 | 0.50 | 0.67 | 0.84 | 0.94             | 0.94 | 0.84 | 0.67 | 0.49 | 0.34 | 0.22 | 0.15    | 0.09 | 0.06 | 7.63 | 6.87 |      |
|                | 20   | 0.07              | 0.11 | 0.18 | 0.28 | 0.44 | 0.66 | 0.93 | 1.20 | 1.37             | 1.38 | 1.21 | 0.94 | 0.66 | 0.44 | 0.28 | 0.17    | 0.11 | 0.07 | 10.5 | 9.83 |      |
|                | 15   | 0.08              | 0.12 | 0.20 | 0.33 | 0.53 | 0.82 | 1.19 | 1.57 | 1.82             | 1.84 | 1.59 | 1.21 | 0.83 | 0.54 | 0.33 | 0.20    | 0.12 | 0.07 | 13.4 | 12.8 |      |
|                | -15  | 0.08              | 0.13 | 0.22 | 0.36 | 0.59 | 0.93 | 1.36 | 1.82 | 2.14             | 2.21 | 1.88 | 1.43 | 0.97 | 0.61 | 0.37 | 0.22    | 0.13 | 0.07 | 15.5 | 15.0 |      |
|                |      | 0.08              | 0.13 | 0.22 | 0.37 | 0.62 | 0.99 | 1.47 | 1.99 | 2.33             | 2.24 | 1.93 | 1.47 | 1.00 | 0.63 | 0.38 | 0.22    | 0.13 | 0.07 | 16.3 | 15.7 |      |
|                |      | 0.08              | 0.13 | 0.22 | 0.37 | 0.61 | 0.97 | 1.44 | 1.87 | 2.10             | 2.03 | 1.74 | 1.33 | 0.92 | 0.59 | 0.35 | 0.21    | 0.12 | 0.07 | 15.2 | 14.6 |      |
|                |      | 0.07              | 0.12 | 0.20 | 0.33 | 0.54 | 0.83 | 1.17 | 1.49 | 1.66             | 1.62 | 1.40 | 1.08 | 0.76 | 0.50 | 0.31 | 0.19    | 0.11 | 0.07 | 12.5 | 11.9 |      |
|                |      | -20               | 0.07 | 0.11 | 0.17 | 0.28 | 0.43 | 0.63 | 0.86 | 1.07             | 1.19 | 1.16 | 1.01 | 0.80 | 0.58 | 0.39 | 0.25    | 0.16 | 0.10 | 0.06 | 9.29 | 8.62 |
|                |      | -25               | 0.06 | 0.09 | 0.14 | 0.21 | 0.32 | 0.45 | 0.59 | 0.71             | 0.78 | 0.77 | 0.68 | 0.55 | 0.41 | 0.29 | 0.19    | 0.13 | 0.08 | 0.05 | 6.49 | 5.69 |
|                |      | -30               | 0.05 | 0.07 | 0.11 | 0.16 | 0.22 | 0.30 | 0.39 | 0.46             | 0.50 | 0.49 | 0.44 | 0.36 | 0.28 | 0.21 | 0.14    | 0.10 | 0.06 | 0.04 | 4.37 | 3.38 |
|                |      | -35               | 0.04 | 0.06 | 0.08 | 0.11 | 0.15 | 0.20 | 0.25 | 0.29             | 0.31 | 0.30 | 0.28 | 0.23 | 0.19 | 0.14 | 0.10    | 0.07 | 0.05 | 0.04 | 2.89 | 1.41 |
|                | -40  | 0.03              | 0.04 | 0.06 | 0.08 | 0.11 | 0.13 | 0.16 | 0.18 | 0.19             | 0.19 | 0.17 | 0.15 | 0.13 | 0.10 | 0.08 | 0.06    | 0.04 | 0.03 | 1.92 | 0.00 |      |
| -45            | 0.02 | 0.03              | 0.04 | 0.06 | 0.07 | 0.09 | 0.10 | 0.11 | 0.12 | 0.12             | 0.11 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03    | 0.02 | 1.29 | 0.00 |      |      |
|                |      | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL (DEG) | 10   | 15   | 20   | 25   | 30   | 35   | 40      | 45   |      |      |      |      |
| F t            | 0.99 | 1.54              | 2.39 | 3.72 | 5.72 | 8.46 | 11.8 | 15.0 | 17.0 | 16.8             | 14.7 | 11.5 | 8.25 | 5.56 | 3.60 | 2.29 | 1.45    | 0.91 | 132  | ---  |      |      |
| F a            | 0.00 | 0.00              | 0.69 | 2.60 | 4.78 | 7.63 | 11.0 | 14.3 | 16.3 | 16.1             | 14.0 | 10.7 | 7.40 | 4.58 | 2.44 | 0.60 | 0.00    | 0.00 | ---  | 113  |      |      |

one-half-peak spread: U:16.3,D:16.4 , L:16.3,R:16.2

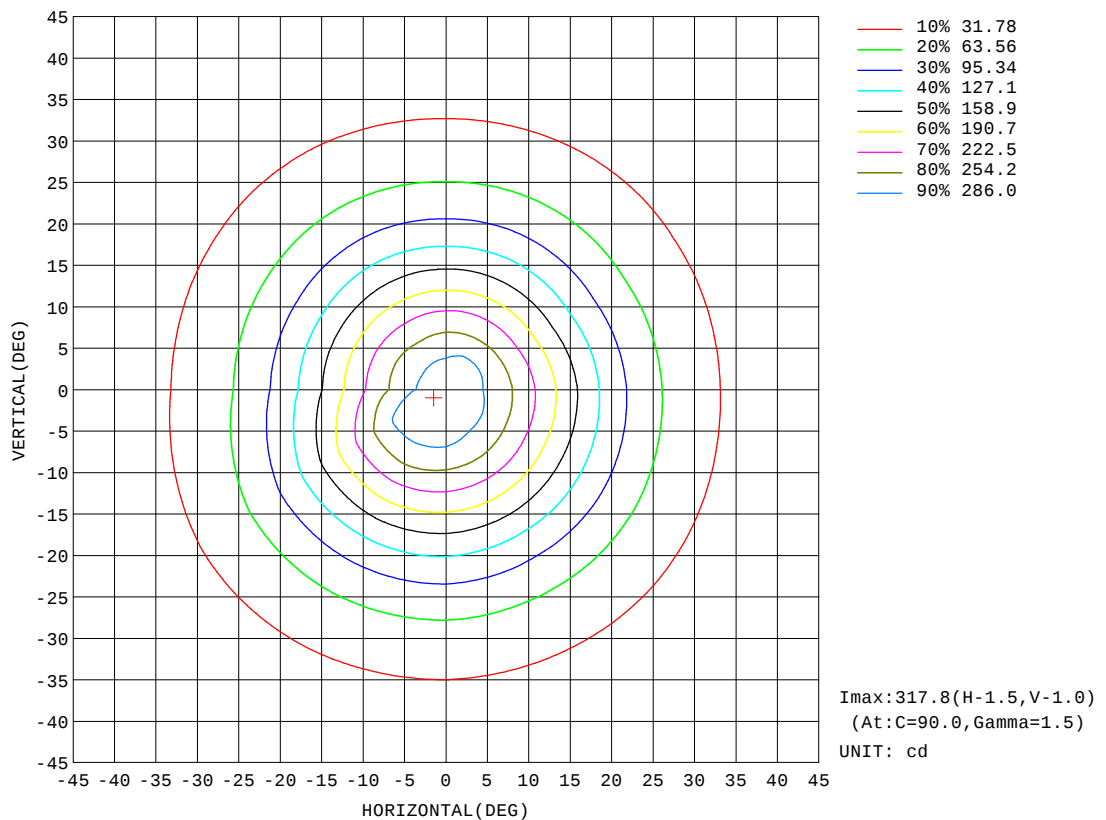
NEMA Beam Type: Type 4

H<sub>(b)</sub> Range: -90 - 90DEG  
 H<sub>(b)</sub> Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature: 25.3DEG  
 Operators: Fan  
 Test Date: 2023-05-18

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 RED-35D-Rev1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| MFR.:                                | SUR.:          | Shielding Angle:        |

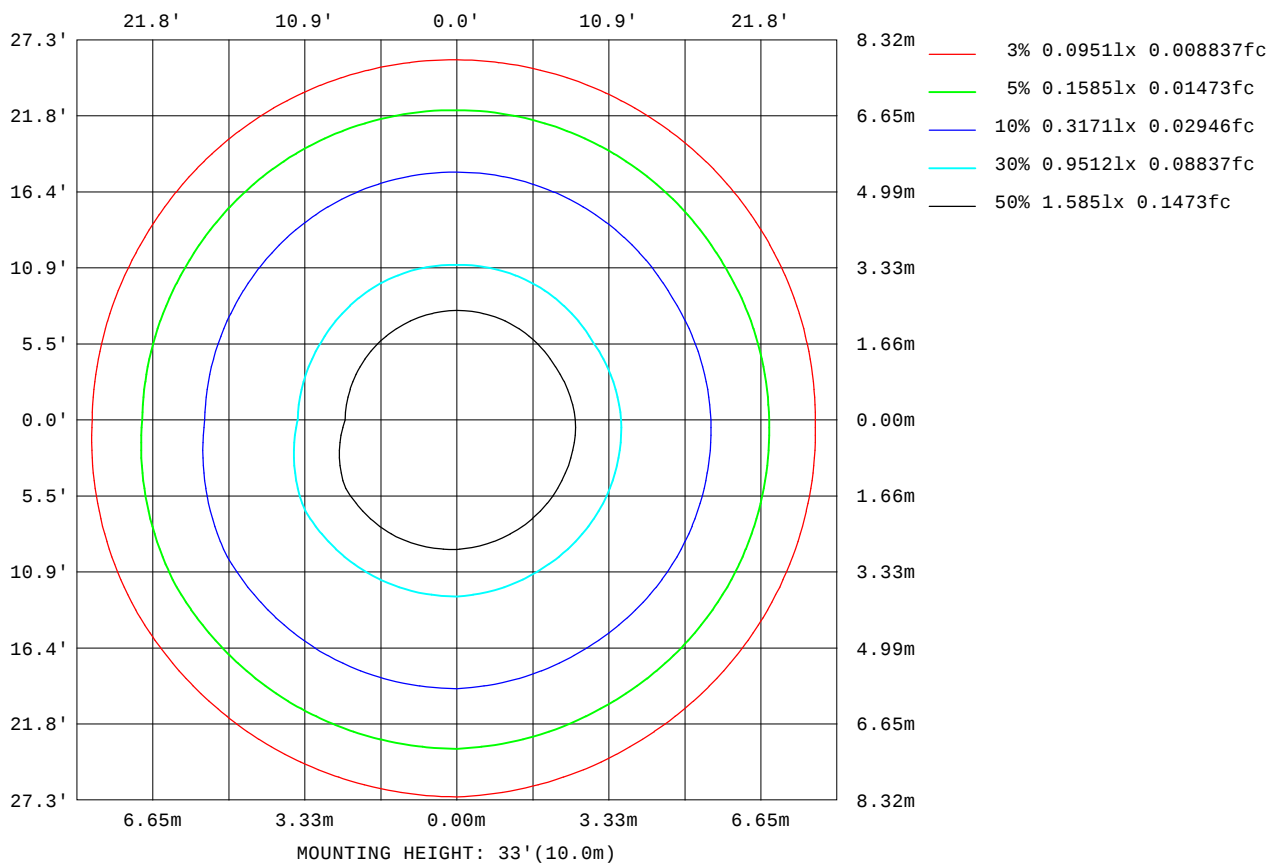


H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators: Fan  
Test Date: 2023-05-18

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

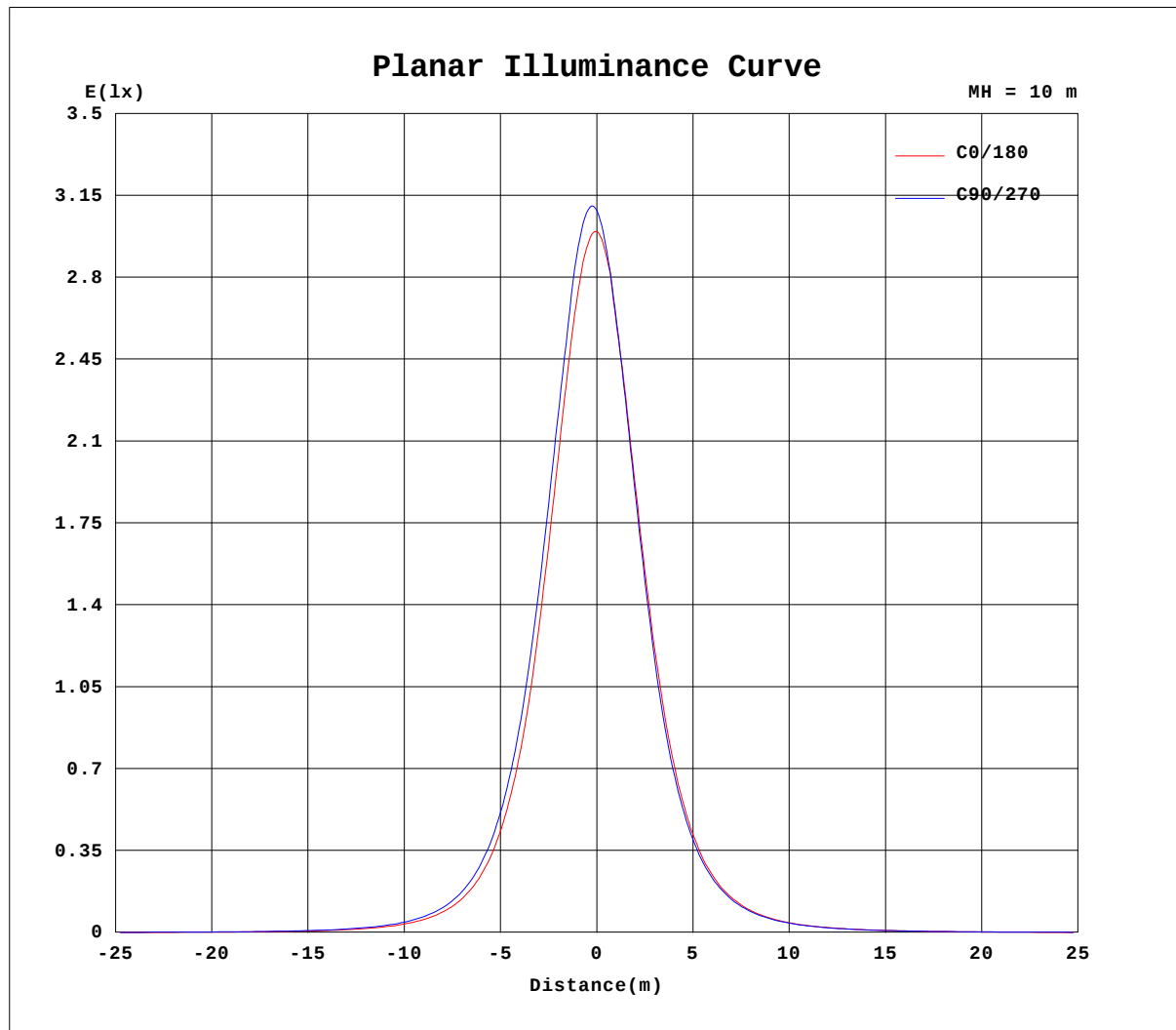
|                                      |                |                         |
|--------------------------------------|----------------|-------------------------|
| NAME: Medusa-510mm-RGBW RED-35D-Rev1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| 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: 2023-05-18

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

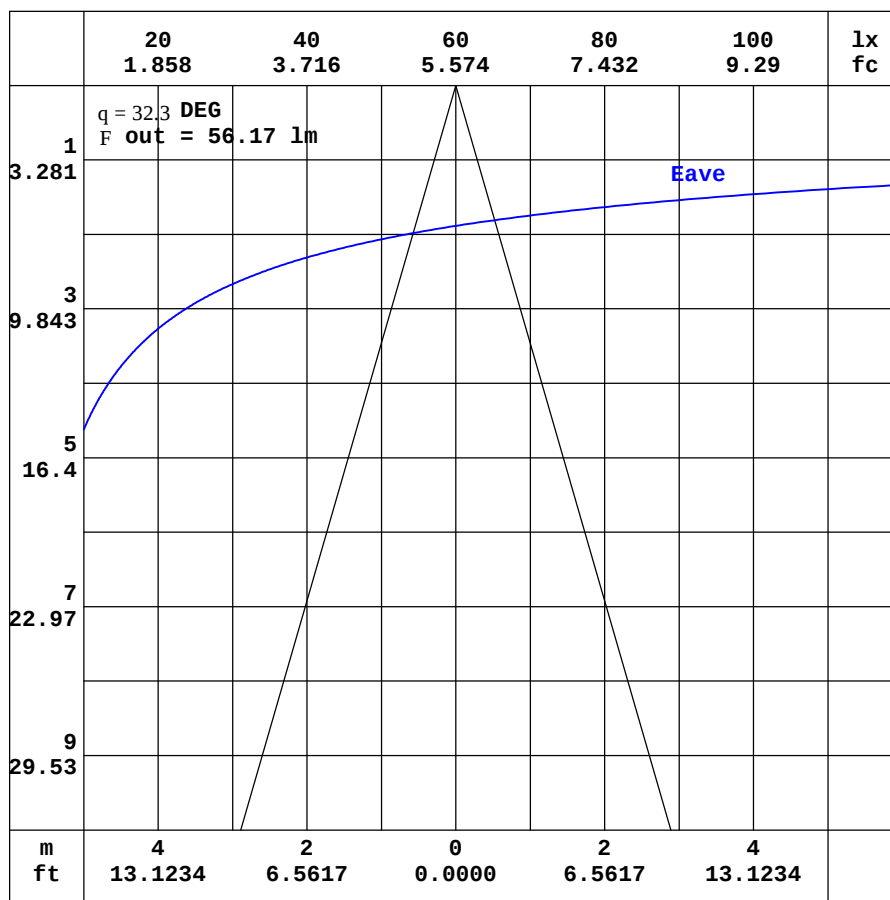


H(b) Range: -90 - 90DEG  
H(b) Interval: 0.5DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators: Fan  
Test Date: 2023-05-18

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 RED-35D-Rev1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| 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: 2023-05-18

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 RED-35D-Rev1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| 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        | 0.46 | 0.41 | 0.41 | 0.41 | 0.43 | 0.46 | 0.52 | 0.60 | 0.70 | 0.81 | 0.90 | 0.97 | 1.03 | 1.06 | 1.06 | 1.05 | 1.03 | 1.00 | 1.01 |
| -170        | 0.46 | 0.41 | 0.40 | 0.39 | 0.40 | 0.41 | 0.45 | 0.50 | 0.55 | 0.61 | 0.66 | 0.71 | 0.74 | 0.76 | 0.76 | 0.79 | 0.84 | 0.87 | 0.92 |
| -160        | 0.46 | 0.40 | 0.39 | 0.37 | 0.36 | 0.36 | 0.38 | 0.39 | 0.40 | 0.42 | 0.43 | 0.43 | 0.43 | 0.51 | 0.57 | 0.64 | 0.69 | 0.74 | 0.77 |
| -150        | 0.46 | 0.40 | 0.37 | 0.35 | 0.33 | 0.32 | 0.31 | 0.30 | 0.28 | 0.25 | 0.22 | 0.26 | 0.31 | 0.35 | 0.41 | 0.44 | 0.50 | 0.53 | 0.55 |
| -140        | 0.46 | 0.39 | 0.36 | 0.34 | 0.31 | 0.28 | 0.26 | 0.22 | 0.19 | 0.17 | 0.18 | 0.18 | 0.20 | 0.22 | 0.24 | 0.28 | 0.31 | 0.33 | 0.35 |
| -130        | 0.46 | 0.39 | 0.35 | 0.32 | 0.29 | 0.25 | 0.22 | 0.18 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 |
| -120        | 0.46 | 0.39 | 0.34 | 0.30 | 0.27 | 0.23 | 0.20 | 0.17 | 0.16 | 0.16 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 |
| -110        | 0.46 | 0.40 | 0.34 | 0.29 | 0.25 | 0.21 | 0.17 | 0.17 | 0.16 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 |
| -100        | 0.46 | 0.40 | 0.34 | 0.29 | 0.24 | 0.19 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.14 | 0.14 | 0.15 | 0.15 | 0.16 |
| -90         | 0.46 | 0.41 | 0.35 | 0.30 | 0.24 | 0.19 | 0.13 | 0.14 | 0.14 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.15 | 0.14 | 0.14 | 0.13 | 0.13 |
| -80         | 0.46 | 0.42 | 0.38 | 0.34 | 0.32 | 0.31 | 0.32 | 0.38 | 0.43 | 0.49 | 0.54 | 0.60 | 0.64 | 0.66 | 0.69 | 0.71 | 0.72 | 0.72 | 0.72 |
| -70         | 0.46 | 0.44 | 0.41 | 0.43 | 0.48 | 0.55 | 0.65 | 0.78 | 0.91 | 1.03 | 1.16 | 1.29 | 1.41 | 1.51 | 1.59 | 1.67 | 1.72 | 1.76 | 1.77 |
| -60         | 0.46 | 0.45 | 0.47 | 0.53 | 0.63 | 0.79 | 1.00 | 1.25 | 1.49 | 1.76 | 2.04 | 2.33 | 2.62 | 2.89 | 3.14 | 3.37 | 3.55 | 3.66 | 3.72 |
| -50         | 0.46 | 0.46 | 0.52 | 0.62 | 0.78 | 1.01 | 1.41 | 1.83 | 2.27 | 2.78 | 3.36 | 4.01 | 4.74 | 5.50 | 6.29 | 7.02 | 7.60 | 7.99 | 8.16 |
| -40         | 0.46 | 0.47 | 0.55 | 0.68 | 0.89 | 1.36 | 1.93 | 2.57 | 3.31 | 4.24 | 5.48 | 7.05 | 8.93 | 11.1 | 13.5 | 15.9 | 17.9 | 19.3 | 19.8 |
| -30         | 0.46 | 0.49 | 0.58 | 0.73 | 1.04 | 1.71 | 2.50 | 3.53 | 4.77 | 6.40 | 8.73 | 12.2 | 16.8 | 22.8 | 29.8 | 37.6 | 44.7 | 49.8 | 51.7 |
| -20         | 0.46 | 0.51 | 0.61 | 0.75 | 1.23 | 2.05 | 3.19 | 4.61 | 6.35 | 8.93 | 13.0 | 19.4 | 29.3 | 43.4 | 62.2 | 84.6 | 107  | 123  | 129  |
| -10         | 0.46 | 0.52 | 0.61 | 0.74 | 1.35 | 2.28 | 3.63 | 5.40 | 7.60 | 11.1 | 16.7 | 25.9 | 41.0 | 65.6 | 103  | 153  | 203  | 243  | 251  |
| 0           | 0.46 | 0.53 | 0.61 | 0.71 | 1.39 | 2.33 | 3.94 | 5.83 | 8.19 | 11.9 | 17.8 | 27.3 | 42.6 | 67.7 | 105  | 158  | 218  | 273  | 300  |
| 10          | 0.46 | 0.53 | 0.64 | 0.78 | 1.42 | 2.38 | 3.75 | 5.53 | 7.69 | 11.0 | 16.1 | 24.1 | 36.7 | 56.1 | 84.2 | 121  | 165  | 200  | 216  |
| 20          | 0.46 | 0.53 | 0.65 | 0.84 | 1.36 | 2.23 | 3.43 | 4.88 | 6.57 | 8.99 | 12.5 | 17.7 | 25.1 | 35.6 | 49.6 | 66.2 | 83.3 | 96.1 | 100  |
| 30          | 0.46 | 0.52 | 0.65 | 0.85 | 1.23 | 1.97 | 2.84 | 3.94 | 5.21 | 6.73 | 8.82 | 11.6 | 15.3 | 19.8 | 25.1 | 30.7 | 35.7 | 39.3 | 40.5 |
| 40          | 0.46 | 0.51 | 0.63 | 0.83 | 1.11 | 1.67 | 2.33 | 3.09 | 3.91 | 4.83 | 5.95 | 7.30 | 8.86 | 10.6 | 12.5 | 14.2 | 15.7 | 16.6 | 16.9 |
| 50          | 0.46 | 0.51 | 0.61 | 0.78 | 1.02 | 1.35 | 1.85 | 2.39 | 2.88 | 3.39 | 3.95 | 4.57 | 5.24 | 5.92 | 6.55 | 7.10 | 7.56 | 7.85 | 7.93 |
| 60          | 0.46 | 0.50 | 0.57 | 0.69 | 0.88 | 1.12 | 1.43 | 1.77 | 2.03 | 2.30 | 2.57 | 2.86 | 3.15 | 3.42 | 3.66 | 3.85 | 4.00 | 4.10 | 4.13 |
| 70          | 0.46 | 0.50 | 0.53 | 0.60 | 0.72 | 0.87 | 1.05 | 1.21 | 1.34 | 1.47 | 1.59 | 1.71 | 1.82 | 1.94 | 2.03 | 2.10 | 2.16 | 2.20 | 2.21 |
| 80          | 0.46 | 0.48 | 0.51 | 0.53 | 0.56 | 0.61 | 0.68 | 0.73 | 0.78 | 0.82 | 0.86 | 0.90 | 0.93 | 0.96 | 1.00 | 1.03 | 1.05 | 1.07 | 1.07 |
| 90          | 0.46 | 0.47 | 0.48 | 0.49 | 0.50 | 0.51 | 0.51 | 0.51 | 0.50 | 0.49 | 0.48 | 0.48 | 0.47 | 0.47 | 0.48 | 0.49 | 0.49 | 0.50 | 0.50 |
| 100         | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.44 | 0.44 | 0.43 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.44 |
| 110         | 0.46 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 |
| 120         | 0.46 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.45 | 0.47 | 0.49 | 0.51 | 0.51 | 0.52 | 0.51 | 0.50 |
| 130         | 0.46 | 0.44 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.45 | 0.51 | 0.54 | 0.60 | 0.64 | 0.67 | 0.69 | 0.71 | 0.71 | 0.71 |
| 140         | 0.46 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.44 | 0.49 | 0.54 | 0.60 | 0.67 | 0.75 | 0.81 | 0.87 | 0.90 | 0.92 | 0.94 | 0.94 |
| 150         | 0.46 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.45 | 0.50 | 0.56 | 0.63 | 0.71 | 0.80 | 0.88 | 0.95 | 1.01 | 1.06 | 1.08 | 1.09 | 1.09 |
| 160         | 0.46 | 0.42 | 0.42 | 0.42 | 0.42 | 0.44 | 0.49 | 0.55 | 0.63 | 0.72 | 0.81 | 0.89 | 0.95 | 1.01 | 1.06 | 1.08 | 1.09 | 1.11 | 1.14 |
| 170         | 0.46 | 0.42 | 0.42 | 0.42 | 0.43 | 0.45 | 0.51 | 0.59 | 0.68 | 0.78 | 0.87 | 0.95 | 1.01 | 1.05 | 1.07 | 1.08 | 1.07 | 1.07 | 1.13 |
| 180         | 0.46 | 0.41 | 0.41 | 0.41 | 0.43 | 0.46 | 0.52 | 0.60 | 0.70 | 0.81 | 0.90 | 0.97 | 1.03 | 1.06 | 1.06 | 1.05 | 1.03 | 1.00 | 1.05 |

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-18

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 RED-35D-ReV1 | TYPE: RGBW-RED | WEIGHT:                 |
| SPEC.: 35 DEG                        | DIM.: 510mm    | SERIAL No.: IES001036-R |
| 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        | 0.90 | 0.84 | 0.78 | 0.70 | 0.59 | 0.50 | 0.40 | 0.30 | 0.22 | 0.16 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.09 | 0.05 |
| -170        | 0.85 | 0.82 | 0.78 | 0.70 | 0.60 | 0.50 | 0.40 | 0.30 | 0.23 | 0.18 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.09 | 0.05 |
| -160        | 0.73 | 0.67 | 0.63 | 0.57 | 0.51 | 0.44 | 0.35 | 0.28 | 0.22 | 0.17 | 0.15 | 0.14 | 0.14 | 0.13 | 0.13 | 0.12 | 0.10 | 0.05 |
| -150        | 0.53 | 0.49 | 0.44 | 0.41 | 0.36 | 0.31 | 0.27 | 0.23 | 0.19 | 0.17 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.12 | 0.10 | 0.05 |
| -140        | 0.33 | 0.31 | 0.28 | 0.24 | 0.23 | 0.21 | 0.19 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.15 | 0.14 | 0.13 | 0.12 | 0.09 | 0.05 |
| -130        | 0.19 | 0.18 | 0.17 | 0.15 | 0.13 | 0.14 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.13 | 0.11 | 0.09 | 0.05 |
| -120        | 0.15 | 0.15 | 0.14 | 0.14 | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.15 | 0.14 | 0.13 | 0.11 | 0.09 | 0.05 |
| -110        | 0.15 | 0.15 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.16 | 0.15 | 0.14 | 0.13 | 0.12 | 0.10 | 0.08 | 0.05 |
| -100        | 0.15 | 0.15 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 | 0.15 | 0.14 | 0.13 | 0.12 | 0.11 | 0.09 | 0.07 | 0.05 |
| -90         | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.11 | 0.10 | 0.09 | 0.08 | 0.06 | 0.05 |
| -80         | 0.71 | 0.70 | 0.68 | 0.66 | 0.63 | 0.60 | 0.55 | 0.50 | 0.44 | 0.38 | 0.32 | 0.26 | 0.20 | 0.14 | 0.10 | 0.07 | 0.06 | 0.05 |
| -70         | 1.75 | 1.70 | 1.63 | 1.54 | 1.45 | 1.35 | 1.22 | 1.09 | 0.97 | 0.83 | 0.71 | 0.55 | 0.39 | 0.25 | 0.15 | 0.09 | 0.06 | 0.05 |
| -60         | 3.64 | 3.49 | 3.29 | 3.05 | 2.78 | 2.50 | 2.21 | 1.92 | 1.65 | 1.39 | 1.15 | 0.85 | 0.57 | 0.36 | 0.21 | 0.11 | 0.06 | 0.05 |
| -50         | 7.92 | 7.45 | 6.82 | 6.06 | 5.27 | 4.52 | 3.81 | 3.17 | 2.61 | 2.11 | 1.67 | 1.21 | 0.79 | 0.44 | 0.25 | 0.13 | 0.07 | 0.05 |
| -40         | 19.0 | 17.3 | 15.2 | 12.8 | 10.5 | 8.40 | 6.63 | 5.14 | 3.96 | 3.05 | 2.28 | 1.61 | 1.06 | 0.54 | 0.26 | 0.13 | 0.07 | 0.05 |
| -30         | 48.7 | 42.6 | 35.1 | 27.7 | 21.0 | 15.5 | 11.2 | 8.05 | 5.82 | 4.21 | 3.09 | 2.10 | 1.34 | 0.68 | 0.25 | 0.13 | 0.07 | 0.05 |
| -20         | 119  | 100  | 78.1 | 57.0 | 39.6 | 26.6 | 17.7 | 11.8 | 7.93 | 5.43 | 3.79 | 2.56 | 1.56 | 0.80 | 0.21 | 0.11 | 0.06 | 0.05 |
| -10         | 230  | 189  | 139  | 95.4 | 61.7 | 38.7 | 24.1 | 15.2 | 9.71 | 6.38 | 4.30 | 2.98 | 1.68 | 0.86 | 0.19 | 0.08 | 0.06 | 0.05 |
| 0           | 282  | 232  | 169  | 112  | 70.5 | 43.2 | 26.4 | 16.3 | 10.3 | 6.69 | 4.44 | 3.08 | 1.77 | 0.85 | 0.14 | 0.05 | 0.05 | 0.05 |
| 10          | 203  | 167  | 122  | 84.5 | 56.0 | 36.1 | 23.2 | 15.0 | 9.83 | 6.56 | 4.48 | 3.13 | 1.79 | 0.94 | 0.24 | 0.11 | 0.07 | 0.05 |
| 20          | 95.8 | 82.8 | 65.5 | 48.6 | 34.7 | 24.4 | 17.1 | 11.9 | 8.31 | 5.82 | 4.15 | 2.85 | 1.77 | 0.95 | 0.30 | 0.16 | 0.08 | 0.05 |
| 30          | 39.1 | 35.3 | 30.1 | 24.5 | 19.3 | 14.9 | 11.4 | 8.64 | 6.44 | 4.82 | 3.60 | 2.51 | 1.64 | 0.88 | 0.38 | 0.20 | 0.10 | 0.05 |
| 40          | 16.5 | 15.5 | 14.0 | 12.3 | 10.4 | 8.72 | 7.16 | 5.83 | 4.74 | 3.80 | 2.90 | 2.09 | 1.41 | 0.78 | 0.42 | 0.22 | 0.11 | 0.05 |
| 50          | 7.80 | 7.49 | 7.04 | 6.48 | 5.80 | 5.16 | 4.48 | 3.89 | 3.34 | 2.83 | 2.31 | 1.71 | 1.16 | 0.71 | 0.43 | 0.23 | 0.12 | 0.05 |
| 60          | 4.09 | 3.98 | 3.81 | 3.60 | 3.38 | 3.09 | 2.81 | 2.53 | 2.25 | 2.00 | 1.74 | 1.34 | 0.94 | 0.63 | 0.39 | 0.23 | 0.12 | 0.05 |
| 70          | 2.19 | 2.15 | 2.09 | 2.01 | 1.91 | 1.79 | 1.68 | 1.57 | 1.44 | 1.31 | 1.18 | 1.00 | 0.73 | 0.51 | 0.34 | 0.22 | 0.13 | 0.05 |
| 80          | 1.06 | 1.05 | 1.02 | 0.99 | 0.95 | 0.91 | 0.87 | 0.84 | 0.80 | 0.75 | 0.71 | 0.66 | 0.52 | 0.41 | 0.30 | 0.22 | 0.13 | 0.05 |
| 90          | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.50 | 0.50 | 0.51 | 0.52 | 0.52 | 0.44 | 0.37 | 0.29 | 0.21 | 0.13 | 0.05 |
| 100         | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.44 | 0.44 | 0.45 | 0.46 | 0.47 | 0.48 | 0.42 | 0.35 | 0.29 | 0.22 | 0.14 | 0.05 |
| 110         | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.45 | 0.44 | 0.39 | 0.33 | 0.27 | 0.21 | 0.14 | 0.05 |
| 120         | 0.52 | 0.53 | 0.53 | 0.52 | 0.52 | 0.50 | 0.47 | 0.46 | 0.45 | 0.44 | 0.44 | 0.41 | 0.37 | 0.32 | 0.26 | 0.20 | 0.14 | 0.05 |
| 130         | 0.72 | 0.73 | 0.72 | 0.70 | 0.68 | 0.63 | 0.58 | 0.54 | 0.49 | 0.45 | 0.42 | 0.38 | 0.33 | 0.29 | 0.25 | 0.19 | 0.14 | 0.05 |
| 140         | 0.95 | 0.94 | 0.94 | 0.91 | 0.86 | 0.80 | 0.72 | 0.65 | 0.58 | 0.50 | 0.41 | 0.34 | 0.30 | 0.27 | 0.23 | 0.19 | 0.13 | 0.05 |
| 150         | 1.10 | 1.11 | 1.10 | 1.06 | 1.00 | 0.93 | 0.85 | 0.77 | 0.62 | 0.49 | 0.38 | 0.31 | 0.26 | 0.23 | 0.21 | 0.17 | 0.12 | 0.05 |
| 160         | 1.13 | 1.13 | 1.13 | 1.11 | 1.07 | 1.01 | 0.86 | 0.71 | 0.56 | 0.42 | 0.33 | 0.26 | 0.22 | 0.20 | 0.18 | 0.16 | 0.12 | 0.05 |
| 170         | 1.09 | 1.11 | 1.12 | 1.05 | 0.92 | 0.80 | 0.66 | 0.53 | 0.41 | 0.31 | 0.24 | 0.20 | 0.18 | 0.16 | 0.15 | 0.14 | 0.10 | 0.05 |
| 180         | 0.90 | 0.84 | 0.78 | 0.70 | 0.59 | 0.50 | 0.40 | 0.30 | 0.22 | 0.16 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.09 | 0.05 |

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-18

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: