

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

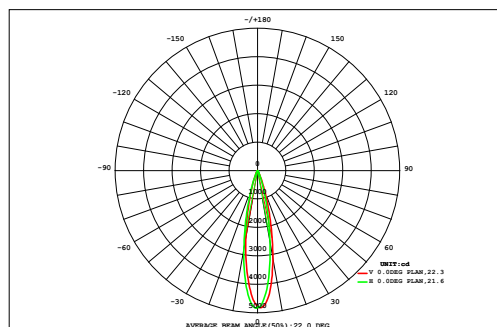
|                                          |                |                        |
|------------------------------------------|----------------|------------------------|
| Maximum Intensity                        |                | 5012.6 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|                                          |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 41.2V x 42.3H          |
|                                          | At 50% of Imax | 21.7V x 22.3H          |
|                                          | At 90% of Imax | 8.3V x 8.6H            |
| Beam Flux                                | Total          | 1000.3 lumens per klm. |
|                                          | To 10% of Imax | 777.8 lumens per klm.  |
|                                          | To 50% of Imax | 412.6 lumens per klm.  |
|                                          | To 90% of Imax | 82.3 lumens per klm.   |
|                                          | Upward LOR     | 2.3 %                  |
|                                          | Downward LOR   | 97.8 %                 |
| Luminaire Efficiency(Light Output Ratio) |                | 100.0 %                |

H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-09-21

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

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| MFR.:                                   | SUR.:         | Shielding Angle:     |



| DATA OF LAMP      |       | Eff:21.31lm/W    |          |
|-------------------|-------|------------------|----------|
| MODEL             |       | Imax (cd)        | 4838     |
| NOMINAL POWER (W) | 45.3  | AVAILABILITY (%) | 77.8     |
| RATED VOLTAGE (V) | 220   | Avai. FLUX (lm)  | 751.1    |
| NOMINAL FLUX (lm) | 965.2 | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1     | TOTAL FLUX (lm)  | 965.2    |
| TEST VOLTAGE (V)  | 220   | q @50% (H,V)     | 22,22DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | F t  | F a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.17              | 0.21 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.52 | 0.54             | 0.54 | 0.51 | 0.46 | 0.40 | 0.34 | 0.29 | 0.25 | 0.21    | 0.18 | 6.44 | 0.00 |
| 27             | 0.17              | 0.21 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.52 | 0.54             | 0.54 | 0.51 | 0.46 | 0.40 | 0.34 | 0.29 | 0.25 | 0.21    | 0.18 | 6.44 | 0.00 |
| 24             | 0.20              | 0.25 | 0.32 | 0.40 | 0.51 | 0.65 | 0.77 | 0.86 | 0.90             | 0.89 | 0.83 | 0.73 | 0.61 | 0.48 | 0.39 | 0.31 | 0.25    | 0.20 | 9.57 | 0.00 |
| 21             | 0.24              | 0.31 | 0.41 | 0.57 | 0.79 | 1.03 | 1.27 | 1.46 | 1.55             | 1.53 | 1.41 | 1.21 | 0.97 | 0.74 | 0.55 | 0.41 | 0.31    | 0.24 | 15.0 | 5.44 |
| 18             | 0.28              | 0.39 | 0.55 | 0.81 | 1.18 | 1.64 | 2.11 | 2.48 | 2.66             | 2.64 | 2.40 | 2.00 | 1.55 | 1.14 | 0.80 | 0.55 | 0.39    | 0.29 | 23.9 | 18.0 |
| 15             | 0.33              | 0.48 | 0.73 | 1.14 | 1.73 | 2.50 | 3.35 | 4.00 | 4.32             | 4.28 | 3.89 | 3.21 | 2.44 | 1.72 | 1.15 | 0.75 | 0.50    | 0.34 | 36.9 | 32.2 |
| 12             | 0.38              | 0.59 | 0.95 | 1.54 | 2.41 | 3.57 | 4.88 | 6.00 | 6.53             | 6.49 | 5.86 | 4.80 | 3.59 | 2.48 | 1.61 | 1.02 | 0.64    | 0.41 | 53.7 | 49.6 |
| 9              | 0.43              | 0.69 | 1.16 | 1.94 | 3.11 | 4.66 | 6.48 | 8.17 | 9.03             | 8.98 | 8.10 | 6.60 | 4.88 | 3.36 | 2.21 | 1.36 | 0.81    | 0.48 | 72.5 | 68.8 |
|                | 0.47              | 0.78 | 1.33 | 2.27 | 3.68 | 5.58 | 7.78 | 9.94 | 11.3             | 11.3 | 10.1 | 8.28 | 6.28 | 4.39 | 2.84 | 1.71 | 0.98    | 0.56 | 89.5 | 86.5 |
|                | 0.48              | 0.83 | 1.42 | 2.44 | 3.98 | 6.06 | 8.49 | 10.8 | 12.5             | 12.7 | 11.7 | 9.87 | 7.55 | 5.24 | 3.36 | 1.99 | 1.11    | 0.61 | 101  | 98.2 |
|                | 0.48              | 0.84 | 1.45 | 2.49 | 4.09 | 6.25 | 8.76 | 11.2 | 12.8             | 13.0 | 12.1 | 10.2 | 7.82 | 5.43 | 3.46 | 2.04 | 1.14    | 0.62 | 104  | 101  |
|                | 0.46              | 0.80 | 1.40 | 2.42 | 3.98 | 6.08 | 8.45 | 10.5 | 11.7             | 11.7 | 10.8 | 9.17 | 7.04 | 4.90 | 3.13 | 1.86 | 1.05    | 0.57 | 96.0 | 93.0 |
|                | 0.41              | 0.72 | 1.25 | 2.14 | 3.49 | 5.19 | 6.99 | 8.56 | 9.57             | 9.61 | 8.73 | 7.40 | 5.74 | 4.05 | 2.61 | 1.57 | 0.90    | 0.50 | 79.4 | 76.1 |
| -9             | 0.35              | 0.60 | 1.02 | 1.72 | 2.69 | 3.91 | 5.20 | 6.37 | 7.10             | 7.13 | 6.47 | 5.42 | 4.23 | 3.03 | 2.00 | 1.23 | 0.72    | 0.41 | 59.6 | 56.0 |
| -12            | 0.29              | 0.46 | 0.77 | 1.23 | 1.89 | 2.71 | 3.57 | 4.33 | 4.81             | 4.83 | 4.40 | 3.67 | 2.88 | 2.09 | 1.41 | 0.90 | 0.54    | 0.33 | 41.1 | 36.7 |
| -15            | 0.22              | 0.34 | 0.54 | 0.84 | 1.24 | 1.73 | 2.26 | 2.73 | 3.01             | 3.02 | 2.77 | 2.32 | 1.82 | 1.34 | 0.93 | 0.61 | 0.39    | 0.26 | 26.4 | 21.0 |
| -18            | 0.17              | 0.25 | 0.37 | 0.54 | 0.77 | 1.05 | 1.35 | 1.60 | 1.75             | 1.76 | 1.63 | 1.38 | 1.09 | 0.83 | 0.59 | 0.41 | 0.28    | 0.20 | 16.0 | 8.33 |
| -21            | 0.14              | 0.19 | 0.25 | 0.35 | 0.47 | 0.62 | 0.78 | 0.91 | 0.98             | 0.99 | 0.92 | 0.79 | 0.64 | 0.50 | 0.38 | 0.28 | 0.20    | 0.15 | 9.54 | 0.00 |
| -24            | 0.11              | 0.14 | 0.18 | 0.23 | 0.30 | 0.37 | 0.44 | 0.50 | 0.54             | 0.54 | 0.51 | 0.45 | 0.38 | 0.31 | 0.24 | 0.19 | 0.15    | 0.12 | 5.73 | 0.00 |
| -27            | 0.11              | 0.14 | 0.18 | 0.23 | 0.30 | 0.37 | 0.44 | 0.50 | 0.54             | 0.54 | 0.51 | 0.45 | 0.38 | 0.31 | 0.24 | 0.19 | 0.15    | 0.12 | 5.73 | 0.00 |
|                | -27               | -24  | -21  | -18  | -15  | -12  | -9   | -6   | HORIZONTAL (DEG) | 6    | 9    | 12   | 15   | 18   | 21   | 24   | 27      |      |      |      |
| F t            | 5.63              | 8.86 | 14.4 | 23.4 | 36.7 | 54.0 | 73.4 | 90.9 | 102              | 102  | 93.2 | 78.0 | 59.9 | 42.4 | 28.0 | 17.4 | 10.6    | 6.45 | 846  | ---  |
| F a            | 0.00              | 0.00 | 5.31 | 17.6 | 32.0 | 49.9 | 69.8 | 87.4 | 98.2             | 98.5 | 89.9 | 74.3 | 55.8 | 37.8 | 22.6 | 10.6 | 1.33    | 0.00 | ---  | 751  |

one-half-peak spread: U:10.8,D:11.0 , L:11.6,R:10.9

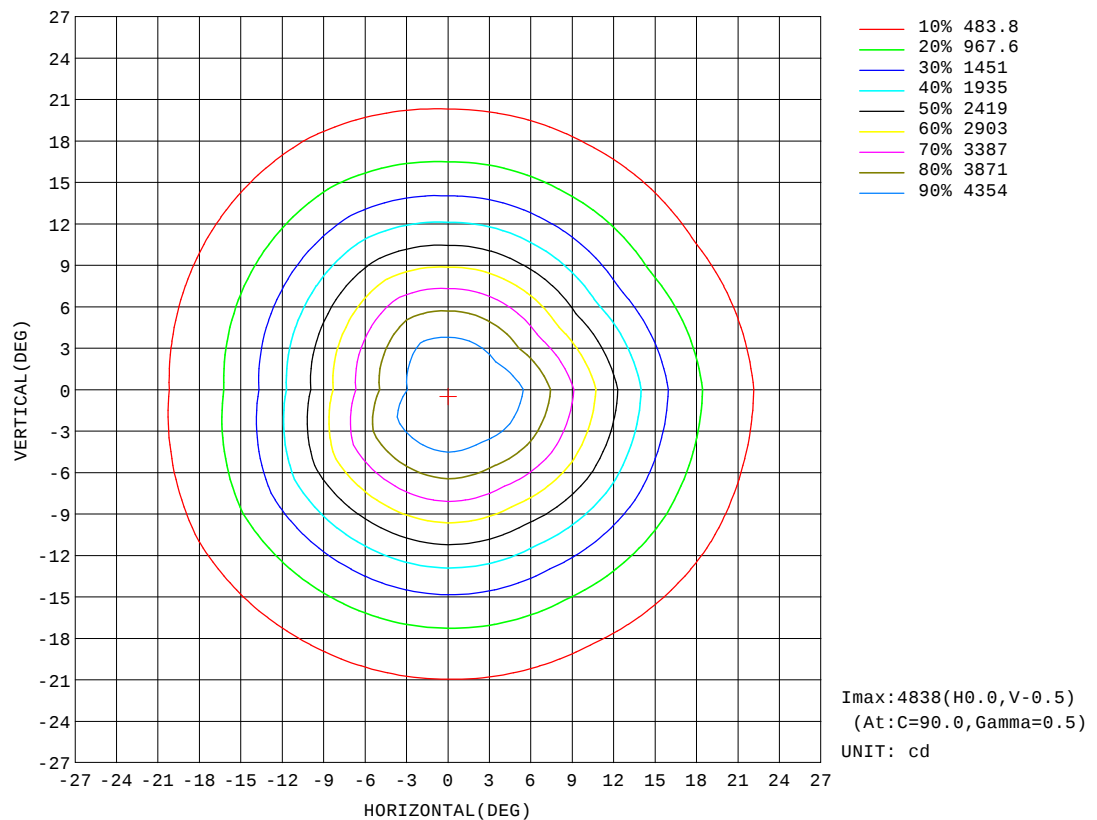
NEMA Beam Type: Type 3

H(B) Range:-90 - 90DEG  
H(B) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-09-21

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

## ISOCANDELA DIAGRAM

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| MFR.:                                   | SUR.:         | Shielding Angle:     |

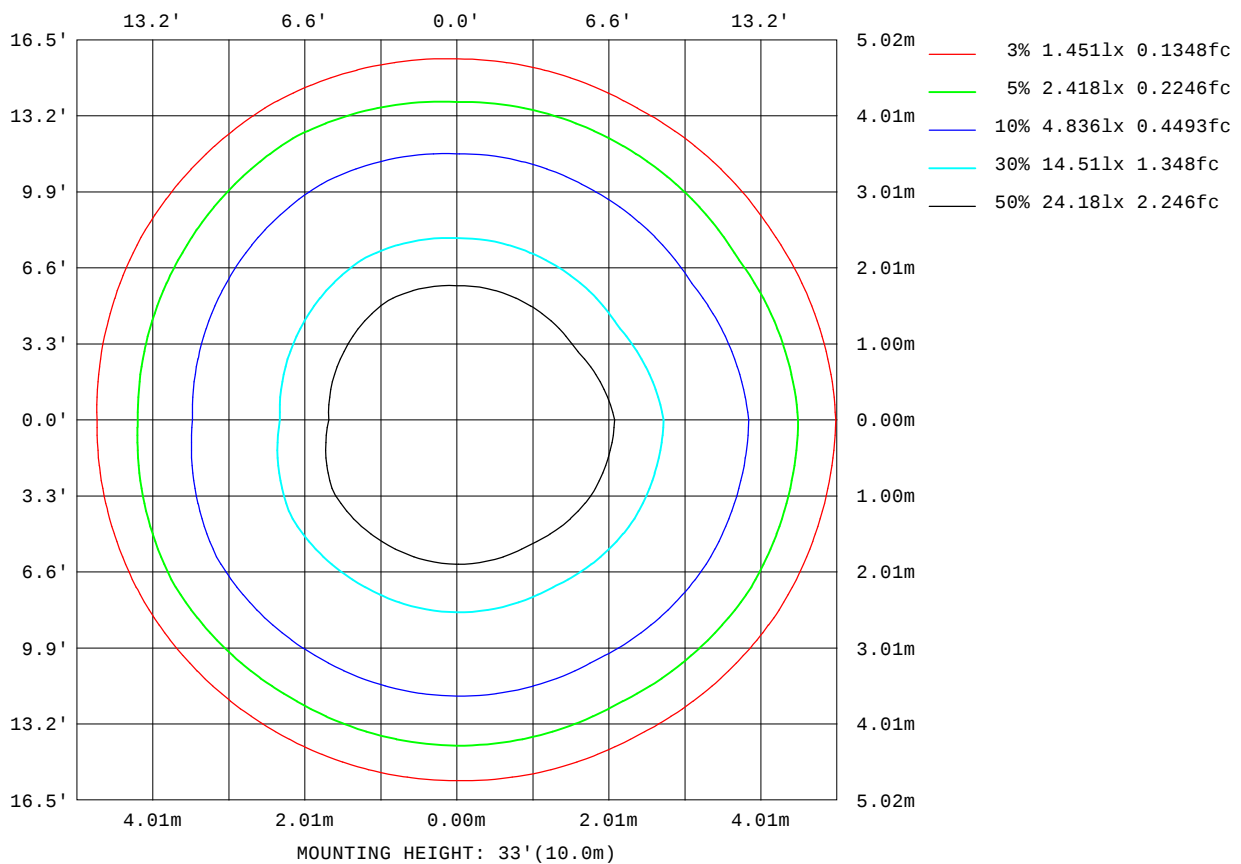


H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-09-21

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

## ISOLUX DIAGRAM

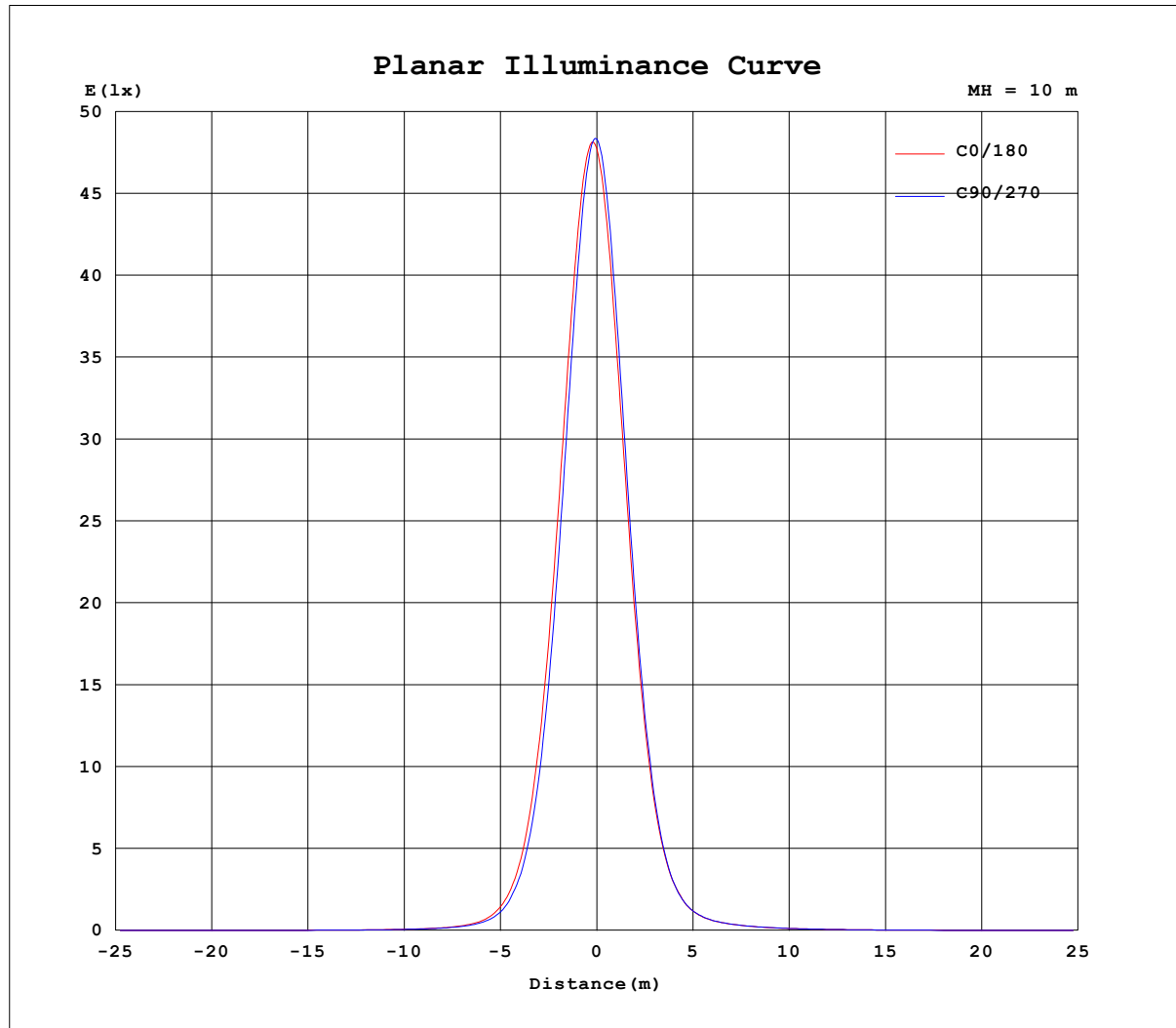
|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| 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:2023-09-21

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

## Planar Illuminance Curve

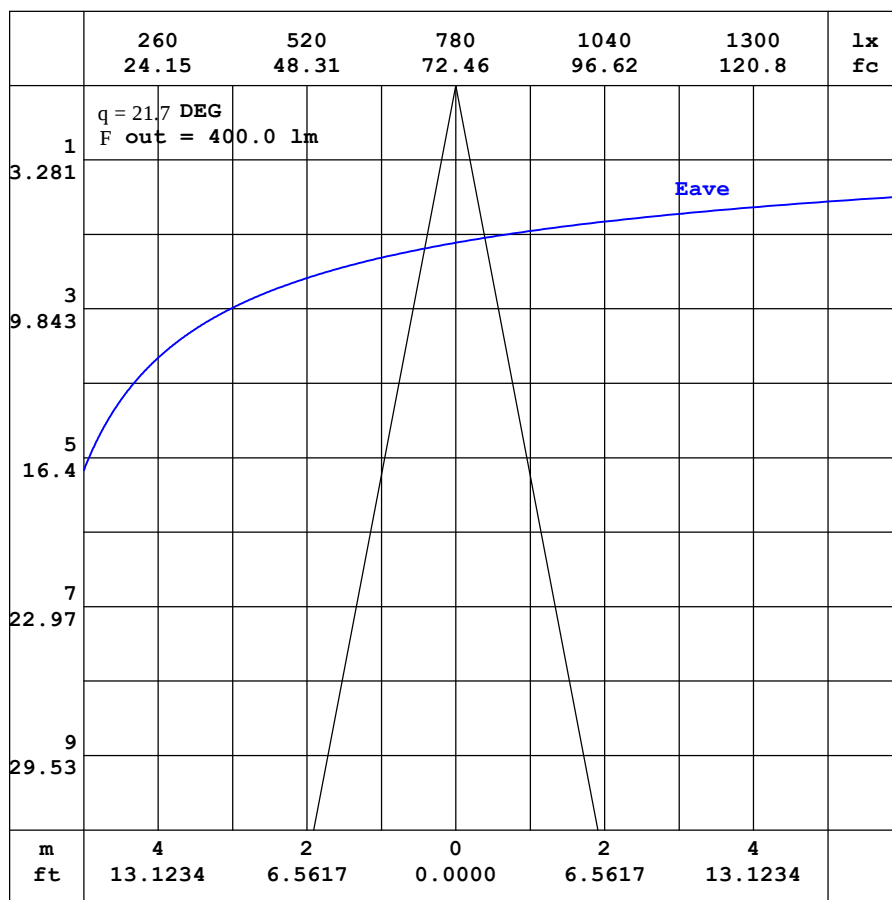


H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:Fan  
Test Date:2023-09-21

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

AAI CURVES

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| 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:2023-09-21

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| MFR.:                                   | SUR.:         | Shielding Angle:     |

Table--1

UNIT: cd

| H (DEG)<br>V (DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180               | 3.38 | 2.98 | 2.69 | 2.55 | 2.57 | 2.77 | 3.31 | 4.26 | 5.51 | 6.74 | 7.62 | 7.91 | 7.74 | 7.33 | 6.90 | 6.50 | 6.08 | 5.78 | 6.25 |
| -170               | 3.38 | 2.95 | 2.65 | 2.48 | 2.45 | 2.53 | 2.82 | 3.39 | 4.16 | 4.92 | 5.49 | 5.79 | 5.86 | 5.88 | 5.90 | 5.96 | 6.26 | 6.55 | 6.57 |
| -160               | 3.38 | 2.93 | 2.62 | 2.43 | 2.35 | 2.29 | 2.34 | 2.51 | 2.78 | 3.04 | 3.22 | 3.31 | 3.47 | 4.28 | 5.02 | 5.67 | 6.19 | 6.46 | 6.61 |
| -150               | 3.38 | 2.92 | 2.60 | 2.40 | 2.27 | 2.13 | 1.98 | 1.84 | 1.70 | 1.50 | 1.32 | 1.75 | 2.28 | 2.86 | 3.43 | 3.94 | 4.34 | 4.59 | 4.67 |
| -140               | 3.38 | 2.92 | 2.61 | 2.39 | 2.23 | 2.06 | 1.84 | 1.55 | 1.17 | 0.98 | 0.99 | 1.08 | 1.27 | 1.52 | 1.79 | 2.07 | 2.28 | 2.42 | 2.46 |
| -130               | 3.38 | 2.93 | 2.61 | 2.39 | 2.21 | 2.06 | 1.86 | 1.58 | 1.35 | 1.20 | 1.07 | 0.99 | 0.96 | 0.95 | 0.96 | 1.02 | 1.07 | 1.11 | 1.13 |
| -120               | 3.38 | 2.95 | 2.63 | 2.40 | 2.21 | 2.06 | 1.92 | 1.77 | 1.70 | 1.61 | 1.51 | 1.41 | 1.32 | 1.25 | 1.18 | 1.13 | 1.10 | 1.08 | 1.07 |
| -110               | 3.38 | 2.98 | 2.66 | 2.41 | 2.22 | 2.06 | 1.91 | 1.87 | 1.88 | 1.89 | 1.88 | 1.86 | 1.84 | 1.81 | 1.78 | 1.76 | 1.74 | 1.73 | 1.73 |
| -100               | 3.38 | 3.02 | 2.70 | 2.43 | 2.18 | 1.98 | 1.79 | 1.81 | 1.84 | 1.86 | 1.87 | 1.88 | 1.90 | 1.92 | 1.93 | 1.94 | 1.95 | 1.95 | 1.96 |
| -90                | 3.38 | 3.07 | 2.76 | 2.44 | 2.13 | 1.82 | 1.51 | 1.51 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | 1.53 | 1.54 | 1.54 |
| -80                | 3.38 | 3.13 | 2.85 | 2.59 | 2.36 | 2.14 | 1.82 | 1.82 | 1.85 | 1.87 | 1.90 | 1.92 | 1.94 | 1.95 | 1.96 | 1.96 | 1.95 | 1.94 | 1.92 |
| -70                | 3.38 | 3.20 | 3.06 | 3.15 | 2.94 | 2.66 | 2.35 | 2.38 | 2.61 | 2.84 | 3.07 | 3.30 | 3.51 | 3.72 | 3.89 | 4.02 | 4.11 | 4.14 | 4.12 |
| -60                | 3.38 | 3.30 | 3.60 | 3.62 | 3.60 | 3.56 | 3.55 | 3.68 | 4.26 | 4.88 | 5.50 | 6.10 | 6.65 | 7.16 | 7.60 | 7.97 | 8.22 | 8.36 | 8.37 |
| -50                | 3.38 | 3.42 | 3.96 | 4.21 | 4.49 | 4.87 | 5.29 | 5.67 | 6.41 | 7.48 | 8.56 | 9.68 | 10.8 | 11.9 | 12.9 | 13.7 | 14.4 | 14.8 | 14.9 |
| -40                | 3.38 | 3.59 | 4.33 | 4.86 | 5.58 | 6.46 | 7.42 | 8.35 | 9.11 | 10.4 | 12.2 | 14.3 | 16.6 | 19.3 | 22.0 | 24.8 | 27.1 | 28.8 | 29.4 |
| -30                | 3.38 | 3.88 | 4.71 | 5.57 | 6.76 | 8.20 | 9.82 | 11.5 | 13.2 | 14.8 | 16.8 | 20.9 | 26.5 | 33.9 | 43.8 | 56.7 | 71.2 | 84.0 | 89.1 |
| -20                | 3.38 | 4.11 | 5.07 | 6.26 | 7.89 | 9.92 | 12.3 | 15.0 | 18.1 | 21.7 | 26.5 | 33.0 | 44.2 | 70.7 | 125  | 225  | 370  | 518  | 586  |
| -10                | 3.38 | 4.25 | 5.38 | 6.86 | 8.90 | 11.5 | 14.7 | 18.5 | 23.2 | 29.7 | 38.9 | 53.6 | 82.1 | 157  | 374  | 855  | 1606 | 2401 | 2792 |
| 0                  | 3.38 | 4.35 | 5.62 | 7.31 | 9.65 | 12.7 | 16.5 | 21.3 | 27.5 | 36.3 | 49.5 | 70.2 | 109  | 209  | 500  | 1182 | 2401 | 3857 | 4774 |
| 10                 | 3.38 | 4.33 | 5.58 | 7.21 | 9.49 | 12.4 | 16.1 | 20.7 | 26.6 | 34.8 | 46.7 | 64.9 | 96.0 | 167  | 349  | 763  | 1469 | 2278 | 2546 |
| 20                 | 3.38 | 4.26 | 5.45 | 6.94 | 8.99 | 11.6 | 14.9 | 19.0 | 23.9 | 30.4 | 39.2 | 51.5 | 69.1 | 96.3 | 145  | 233  | 364  | 475  | 510  |
| 30                 | 3.38 | 4.10 | 5.25 | 6.52 | 8.26 | 10.5 | 13.2 | 16.5 | 20.3 | 24.8 | 30.4 | 37.6 | 46.5 | 57.4 | 70.1 | 84.5 | 97.7 | 107  | 110  |
| 40                 | 3.38 | 3.86 | 4.99 | 6.02 | 7.36 | 9.06 | 11.1 | 13.5 | 16.3 | 19.3 | 22.8 | 26.6 | 30.8 | 35.5 | 40.2 | 44.4 | 47.7 | 49.9 | 50.4 |
| 50                 | 3.38 | 3.71 | 4.70 | 5.49 | 6.42 | 7.58 | 8.98 | 10.6 | 12.4 | 14.3 | 16.4 | 18.5 | 20.7 | 22.7 | 24.5 | 25.9 | 27.0 | 27.6 | 27.7 |
| 60                 | 3.38 | 3.62 | 4.37 | 4.95 | 5.56 | 6.25 | 7.05 | 7.97 | 8.98 | 10.1 | 11.2 | 12.3 | 13.4 | 14.4 | 15.2 | 15.8 | 16.2 | 16.4 | 16.4 |
| 70                 | 3.38 | 3.54 | 3.80 | 4.42 | 4.80 | 5.17 | 5.54 | 5.96 | 6.39 | 6.85 | 7.32 | 7.79 | 8.23 | 8.60 | 8.89 | 9.10 | 9.24 | 9.29 | 9.26 |
| 80                 | 3.38 | 3.47 | 3.56 | 3.68 | 3.91 | 4.21 | 4.45 | 4.62 | 4.77 | 4.91 | 5.04 | 5.16 | 5.27 | 5.35 | 5.42 | 5.47 | 5.50 | 5.51 | 5.50 |
| 90                 | 3.38 | 3.39 | 3.41 | 3.42 | 3.44 | 3.46 | 3.47 | 3.47 | 3.48 | 3.48 | 3.48 | 3.49 | 3.49 | 3.50 | 3.51 | 3.51 | 3.52 | 3.53 | 3.54 |
| 100                | 3.38 | 3.32 | 3.26 | 3.21 | 3.15 | 3.10 | 3.07 | 3.01 | 2.95 | 2.91 | 2.87 | 2.83 | 2.80 | 2.78 | 2.77 | 2.76 | 2.76 | 2.76 | 2.77 |
| 110                | 3.38 | 3.25 | 3.12 | 3.01 | 2.91 | 2.83 | 2.76 | 2.69 | 2.63 | 2.58 | 2.54 | 2.52 | 2.50 | 2.50 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 |
| 120                | 3.38 | 3.18 | 3.00 | 2.85 | 2.74 | 2.64 | 2.59 | 2.54 | 2.53 | 2.52 | 2.54 | 2.59 | 2.66 | 2.73 | 2.81 | 2.87 | 2.93 | 2.96 | 2.96 |
| 130                | 3.38 | 3.12 | 2.90 | 2.74 | 2.62 | 2.56 | 2.54 | 2.54 | 2.63 | 2.80 | 3.04 | 3.35 | 3.68 | 4.02 | 4.37 | 4.67 | 4.91 | 5.05 | 5.10 |
| 140                | 3.38 | 3.08 | 2.83 | 2.65 | 2.56 | 2.54 | 2.57 | 2.76 | 3.11 | 3.62 | 4.25 | 4.96 | 5.64 | 6.25 | 6.75 | 7.16 | 7.43 | 7.59 | 7.65 |
| 150                | 3.38 | 3.03 | 2.76 | 2.59 | 2.54 | 2.57 | 2.76 | 3.19 | 3.88 | 4.79 | 5.77 | 6.65 | 7.38 | 7.90 | 8.27 | 8.54 | 8.69 | 8.78 | 8.83 |
| 160                | 3.38 | 3.00 | 2.73 | 2.56 | 2.55 | 2.65 | 3.00 | 3.69 | 4.69 | 5.85 | 6.90 | 7.68 | 8.16 | 8.39 | 8.54 | 8.65 | 8.82 | 8.93 | 9.15 |
| 170                | 3.38 | 2.99 | 2.70 | 2.55 | 2.56 | 2.73 | 3.21 | 4.08 | 5.28 | 6.50 | 7.47 | 8.00 | 8.10 | 8.00 | 7.79 | 7.59 | 7.48 | 7.49 | 7.77 |
| 180                | 3.38 | 2.98 | 2.69 | 2.55 | 2.57 | 2.77 | 3.31 | 4.26 | 5.51 | 6.74 | 7.62 | 7.91 | 7.74 | 7.33 | 6.90 | 6.50 | 6.08 | 5.78 | 6.32 |

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

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-09-21

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

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

Humidity:65.0%

Test Distance:8.630m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| NAME:Aurora Max-618mm-RGBW RED-23D-Rev1 | TYPE:RGBW-RED | WEIGHT:              |
| SPEC.:23 DEG                            | DIM.:618mm    | SERIAL No.:IES001747 |
| MFR.:                                   | SUR.:         | Shielding Angle:     |

Table--2

UNIT: cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180               | 5.75 | 5.83 | 5.72 | 5.37 | 4.76 | 3.95 | 3.05 | 2.17 | 1.50 | 1.09 | 1.05 | 1.24 | 1.55 | 1.81 | 1.89 | 1.84 | 1.61 | 1.27 |  |
| -170               | 6.42 | 6.28 | 5.99 | 5.49 | 4.75 | 3.85 | 2.90 | 2.06 | 1.43 | 1.07 | 1.06 | 1.25 | 1.56 | 1.81 | 1.89 | 1.83 | 1.61 | 1.27 |  |
| -160               | 6.41 | 6.09 | 5.53 | 4.82 | 4.00 | 3.14 | 2.34 | 1.67 | 1.23 | 1.05 | 1.10 | 1.34 | 1.62 | 1.84 | 1.89 | 1.82 | 1.59 | 1.27 |  |
| -150               | 4.55 | 4.27 | 3.85 | 3.29 | 2.68 | 2.10 | 1.59 | 1.25 | 1.07 | 1.06 | 1.21 | 1.46 | 1.71 | 1.87 | 1.88 | 1.79 | 1.57 | 1.27 |  |
| -140               | 2.40 | 2.24 | 2.02 | 1.74 | 1.46 | 1.22 | 1.07 | 1.03 | 1.05 | 1.21 | 1.42 | 1.63 | 1.81 | 1.88 | 1.86 | 1.76 | 1.54 | 1.27 |  |
| -130               | 1.11 | 1.07 | 1.02 | 0.99 | 0.99 | 1.01 | 1.07 | 1.18 | 1.33 | 1.49 | 1.66 | 1.80 | 1.86 | 1.88 | 1.84 | 1.71 | 1.50 | 1.27 |  |
| -120               | 1.09 | 1.12 | 1.16 | 1.23 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.79 | 1.84 | 1.87 | 1.87 | 1.86 | 1.76 | 1.63 | 1.46 | 1.27 |  |
| -110               | 1.74 | 1.75 | 1.77 | 1.80 | 1.83 | 1.87 | 1.89 | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 | 1.82 | 1.75 | 1.65 | 1.53 | 1.41 | 1.27 |  |
| -100               | 1.95 | 1.93 | 1.92 | 1.90 | 1.88 | 1.86 | 1.85 | 1.82 | 1.80 | 1.77 | 1.72 | 1.68 | 1.62 | 1.56 | 1.49 | 1.42 | 1.35 | 1.27 |  |
| -90                | 1.52 | 1.50 | 1.48 | 1.46 | 1.44 | 1.41 | 1.40 | 1.39 | 1.38 | 1.37 | 1.36 | 1.35 | 1.34 | 1.32 | 1.31 | 1.30 | 1.29 | 1.27 |  |
| -80                | 1.89 | 1.86 | 1.81 | 1.76 | 1.70 | 1.63 | 1.55 | 1.46 | 1.37 | 1.29 | 1.21 | 1.17 | 1.16 | 1.15 | 1.15 | 1.18 | 1.22 | 1.27 |  |
| -70                | 4.12 | 4.05 | 3.93 | 3.77 | 3.55 | 3.30 | 3.03 | 2.74 | 2.44 | 2.13 | 1.87 | 1.62 | 1.36 | 1.19 | 1.11 | 1.10 | 1.16 | 1.27 |  |
| -60                | 8.35 | 8.21 | 7.95 | 7.57 | 7.10 | 6.54 | 5.92 | 5.24 | 4.56 | 3.87 | 3.22 | 2.58 | 2.04 | 1.63 | 1.25 | 1.09 | 1.11 | 1.27 |  |
| -50                | 14.8 | 14.4 | 13.8 | 12.9 | 11.9 | 10.8 | 9.60 | 8.39 | 7.20 | 6.05 | 4.94 | 3.91 | 2.96 | 2.17 | 1.58 | 1.15 | 1.08 | 1.27 |  |
| -40                | 29.0 | 27.4 | 25.1 | 22.3 | 19.6 | 17.0 | 14.5 | 12.3 | 10.2 | 8.42 | 6.78 | 5.30 | 3.98 | 2.80 | 1.94 | 1.28 | 1.06 | 1.27 |  |
| -30                | 84.9 | 72.7 | 58.2 | 45.6 | 35.5 | 27.7 | 21.8 | 17.3 | 13.7 | 10.9 | 8.57 | 6.61 | 4.92 | 3.44 | 2.25 | 1.41 | 1.06 | 1.27 |  |
| -20                | 527  | 382  | 243  | 139  | 79.0 | 48.7 | 32.7 | 23.5 | 17.5 | 13.3 | 10.1 | 7.70 | 5.67 | 3.95 | 2.51 | 1.54 | 1.06 | 1.27 |  |
| -10                | 2441 | 1738 | 985  | 453  | 186  | 83.7 | 45.9 | 29.5 | 20.7 | 15.1 | 11.3 | 8.43 | 6.18 | 4.29 | 2.70 | 1.64 | 1.06 | 1.27 |  |
| 0                  | 4446 | 3121 | 1684 | 729  | 274  | 108  | 53.4 | 32.4 | 22.0 | 15.8 | 11.7 | 8.69 | 6.35 | 4.41 | 2.77 | 1.67 | 1.05 | 1.27 |  |
| 10                 | 2221 | 1485 | 796  | 381  | 180  | 93.4 | 56.2 | 37.0 | 25.7 | 18.5 | 13.5 | 9.90 | 7.13 | 4.89 | 3.07 | 1.84 | 1.14 | 1.27 |  |
| 20                 | 459  | 343  | 221  | 144  | 97.6 | 71.0 | 50.5 | 35.9 | 26.0 | 19.1 | 14.1 | 10.4 | 7.44 | 5.08 | 3.22 | 1.94 | 1.22 | 1.27 |  |
| 30                 | 106  | 95.6 | 82.5 | 69.5 | 57.5 | 46.9 | 38.1 | 30.9 | 23.7 | 18.0 | 13.6 | 10.1 | 7.28 | 4.99 | 3.25 | 1.98 | 1.30 | 1.27 |  |
| 40                 | 49.7 | 47.3 | 43.9 | 39.6 | 35.1 | 30.7 | 26.5 | 22.7 | 19.2 | 15.7 | 12.1 | 9.12 | 6.65 | 4.63 | 3.16 | 1.99 | 1.36 | 1.27 |  |
| 50                 | 27.5 | 26.8 | 25.6 | 24.1 | 22.3 | 20.3 | 18.2 | 16.2 | 14.1 | 12.1 | 10.0 | 7.71 | 5.75 | 4.19 | 2.92 | 1.95 | 1.42 | 1.27 |  |
| 60                 | 16.3 | 16.0 | 15.6 | 14.9 | 14.1 | 13.1 | 12.0 | 10.9 | 9.77 | 8.67 | 7.63 | 6.19 | 4.86 | 3.67 | 2.68 | 1.93 | 1.48 | 1.27 |  |
| 70                 | 9.23 | 9.11 | 8.90 | 8.63 | 8.29 | 7.88 | 7.44 | 6.97 | 6.49 | 6.04 | 5.59 | 4.95 | 4.00 | 3.18 | 2.49 | 1.95 | 1.55 | 1.27 |  |
| 80                 | 5.47 | 5.41 | 5.34 | 5.25 | 5.15 | 5.04 | 4.90 | 4.75 | 4.57 | 4.39 | 4.23 | 4.06 | 3.48 | 2.93 | 2.42 | 1.99 | 1.61 | 1.27 |  |
| 90                 | 3.53 | 3.53 | 3.52 | 3.51 | 3.51 | 3.50 | 3.52 | 3.53 | 3.54 | 3.56 | 3.57 | 3.59 | 3.20 | 2.82 | 2.43 | 2.05 | 1.66 | 1.27 |  |
| 100                | 2.77 | 2.77 | 2.77 | 2.78 | 2.79 | 2.81 | 2.86 | 2.91 | 2.97 | 3.03 | 3.10 | 3.15 | 2.94 | 2.68 | 2.40 | 2.07 | 1.69 | 1.27 |  |
| 110                | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.52 | 2.55 | 2.60 | 2.66 | 2.74 | 2.78 | 2.68 | 2.54 | 2.34 | 2.07 | 1.72 | 1.27 |  |
| 120                | 2.95 | 2.91 | 2.84 | 2.77 | 2.70 | 2.62 | 2.56 | 2.53 | 2.52 | 2.53 | 2.56 | 2.53 | 2.48 | 2.41 | 2.28 | 2.06 | 1.73 | 1.27 |  |
| 130                | 5.02 | 4.85 | 4.59 | 4.26 | 3.89 | 3.54 | 3.20 | 2.91 | 2.70 | 2.56 | 2.48 | 2.39 | 2.34 | 2.30 | 2.22 | 2.04 | 1.73 | 1.27 |  |
| 140                | 7.58 | 7.41 | 7.11 | 6.67 | 6.10 | 5.41 | 4.67 | 3.95 | 3.36 | 2.82 | 2.41 | 2.25 | 2.23 | 2.20 | 2.15 | 2.01 | 1.72 | 1.27 |  |
| 150                | 8.80 | 8.73 | 8.57 | 8.29 | 7.85 | 7.21 | 6.36 | 5.37 | 3.99 | 2.94 | 2.34 | 2.10 | 2.08 | 2.12 | 2.08 | 1.97 | 1.71 | 1.27 |  |
| 160                | 9.07 | 9.04 | 8.95 | 8.80 | 8.57 | 8.18 | 6.82 | 5.28 | 3.84 | 2.74 | 2.11 | 1.89 | 1.91 | 2.02 | 2.02 | 1.93 | 1.68 | 1.27 |  |
| 170                | 7.72 | 8.02 | 8.32 | 8.08 | 7.36 | 6.40 | 5.27 | 4.06 | 2.94 | 2.07 | 1.66 | 1.58 | 1.72 | 1.90 | 1.95 | 1.89 | 1.65 | 1.27 |  |
| 180                | 5.75 | 5.83 | 5.72 | 5.37 | 4.76 | 3.95 | 3.05 | 2.17 | 1.50 | 1.09 | 1.05 | 1.24 | 1.55 | 1.81 | 1.89 | 1.84 | 1.61 | 1.27 |  |

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

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-09-21

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

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

Humidity:65.0%

Test Distance:8.630m [K=1.0000]

Remarks: