

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|  |                |                        |
|--|----------------|------------------------|
| Maximum Intensity                        |                | 2345.0 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|  |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 65.7V x 66.2H          |
|  | At 50% of Imax | 30.2V x 30.4H          |
|  | At 90% of Imax | 10.7V x 11.2H          |
| Beam Flux                                | Total          | 1000.4 lumens per klm. |
|  | To 10% of Imax | 783.7 lumens per klm.  |
|  | To 50% of Imax | 355.6 lumens per klm.  |
|  | To 90% of Imax | 60.5 lumens per klm.   |
|  | Upward LOR     | 2.0 %                  |
|  | Downward LOR   | 98.1 %                 |
| Luminaire Efficiency(Light Output Ratio) |                | 100.0 %                |

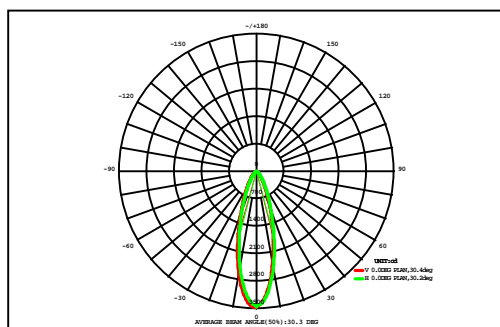
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H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2019-04-29

V( $\theta$ ) Range:-180 - 180DEG  
V( $\theta$ ) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                  |                   |
|--|------------------|-------------------|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |                  |                   |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              | TYPE:WALL WASHER | WEIGHT:           |
| SPEC.:   | DIM.:            | SERIAL No.:1      |
| MFR.:  | SUR.:            | PROTECTION ANGLE: |



| DATA OF LAMP     |                  | Eff:80.22lm/W   |          |
|------------------|------------------|-----------------|----------|
| MODEL            | OSRAM 3030 3000K | Imax(cd)        | 3468     |
| NOMINAL POWER(W) | 18               | AVAILABILITY(%) | 78.4     |
| RATED VOLTAGE(V) | DC 24            | Avai. FLUX(lm)  | 1160     |
| NOMINAL FLUX(lm) | 1478.97          | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1                | TOTAL FLUX(lm)  | 1479     |
| TEST VOLTAGE(V)  | DC 24            | q @50%(H,V)     | 30,30DEG |

| VERTICAL( DEG )   | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      |      | F t  | F a  |
|---|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|
|   | 0.00              | 0.01 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02    | 0.02 | 0.01 | 0.78 | 0.00 |
| 90  | 0.01              | 0.02 | 0.03 | 0.05 | 0.08 | 0.12 | 0.15 | 0.18 | 0.20 | 0.20 | 0.17 | 0.14 | 0.10 | 0.07 | 0.05 | 0.03    | 0.02 | 0.01 | 1.64 | 0.00 |
| 80  | 0.01              | 0.02 | 0.05 | 0.10 | 0.20 | 0.33 | 0.47 | 0.59 | 0.64 | 0.62 | 0.52 | 0.39 | 0.26 | 0.15 | 0.08 | 0.04    | 0.02 | 0.01 | 4.50 | 0.00 |
| 70  | 0.01              | 0.03 | 0.08 | 0.21 | 0.46 | 0.81 | 1.20 | 1.52 | 1.67 | 1.58 | 1.30 | 0.94 | 0.59 | 0.33 | 0.15 | 0.06    | 0.03 | 0.01 | 11.0 | 0.00 |
| 60  | 0.01              | 0.03 | 0.12 | 0.38 | 0.88 | 1.63 | 2.55 | 3.40 | 3.83 | 3.60 | 2.82 | 1.91 | 1.14 | 0.59 | 0.26 | 0.09    | 0.03 | 0.01 | 23.3 | 0.00 |
| 50  | 0.01              | 0.04 | 0.18 | 0.60 | 1.46 | 2.93 | 5.07 | 7.43 | 8.95 | 8.46 | 6.23 | 3.75 | 1.97 | 0.94 | 0.39 | 0.13    | 0.04 | 0.01 | 48.6 | 6.75 |
| 40  | 0.01              | 0.05 | 0.25 | 0.84 | 2.16 | 4.79 | 9.42 | 16.0 | 21.6 | 20.6 | 13.9 | 7.22 | 3.21 | 1.35 | 0.54 | 0.17    | 0.05 | 0.01 | 102  | 76.6 |
| 30  | 0.01              | 0.06 | 0.30 | 1.05 | 2.86 | 6.95 | 15.7 | 32.6 | 50.6 | 48.3 | 28.6 | 12.5 | 4.78 | 1.78 | 0.66 | 0.21    | 0.05 | 0.01 | 207  | 188  |
| 20  | 0.01              | 0.06 | 0.34 | 1.18 | 3.32 | 8.55 | 21.5 | 51.3 | 87.2 | 82.7 | 44.9 | 17.5 | 6.05 | 2.07 | 0.74 | 0.23    | 0.05 | 0.01 | 328  | 311  |
| 10  | 0.01              | 0.06 | 0.34 | 1.17 | 3.30 | 8.50 | 21.3 | 50.8 | 86.2 | 82.7 | 45.3 | 17.7 | 6.09 | 2.09 | 0.75 | 0.23    | 0.06 | 0.01 | 327  | 309  |
| 0   | 0.01              | 0.06 | 0.30 | 1.04 | 2.81 | 6.83 | 15.4 | 31.9 | 49.9 | 48.2 | 28.8 | 12.7 | 4.86 | 1.81 | 0.68 | 0.22    | 0.05 | 0.01 | 206  | 186  |
| -10   | 0.01              | 0.05 | 0.25 | 0.83 | 2.11 | 4.65 | 9.16 | 15.7 | 21.4 | 20.7 | 14.0 | 7.27 | 3.27 | 1.40 | 0.56 | 0.18    | 0.05 | 0.01 | 102  | 75.6 |
| -20   | 0.01              | 0.04 | 0.19 | 0.60 | 1.42 | 2.81 | 4.87 | 7.23 | 8.76 | 8.36 | 6.23 | 3.76 | 2.00 | 0.98 | 0.42 | 0.15    | 0.04 | 0.01 | 47.9 | 6.47 |
| -30   | 0.01              | 0.04 | 0.13 | 0.38 | 0.86 | 1.57 | 2.45 | 3.28 | 3.70 | 3.51 | 2.80 | 1.93 | 1.17 | 0.63 | 0.28 | 0.11    | 0.04 | 0.01 | 22.9 | 0.00 |
| -40   | 0.01              | 0.03 | 0.09 | 0.22 | 0.46 | 0.80 | 1.17 | 1.48 | 1.62 | 1.55 | 1.31 | 0.97 | 0.62 | 0.35 | 0.17 | 0.08    | 0.03 | 0.01 | 11.0 | 0.00 |
| -50   | 0.01              | 0.03 | 0.06 | 0.12 | 0.21 | 0.34 | 0.48 | 0.59 | 0.65 | 0.63 | 0.54 | 0.42 | 0.28 | 0.18 | 0.10 | 0.06    | 0.03 | 0.01 | 4.71 | 0.00 |
| -60   | 0.01              | 0.02 | 0.04 | 0.07 | 0.10 | 0.14 | 0.17 | 0.20 | 0.22 | 0.22 | 0.20 | 0.16 | 0.13 | 0.10 | 0.07 | 0.04    | 0.03 | 0.01 | 1.92 | 0.00 |
| -70   | 0.01              | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04    | 0.02 | 0.01 | 1.13 | 0.00 |
| -80   | 0.01              | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04    | 0.02 | 0.01 | 1.13 | 0.00 |
| -90   | 0.01              | 0.02 | 0.04 | 0.05 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04    | 0.02 | 0.01 | 1.13 | 0.00 |
| -90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL( DEG ) 20 30 40 50 60 70 80 90 |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |      |
| F t   | 0.12              | 0.68 | 2.82 | 8.94 | 22.8 | 51.9 | 111  | 224  | 347  | 332  | 198  | 89.4 | 36.7 | 14.9 | 6.00 | 2.11    | 0.66 | 0.16 | 1450 | ---  |
| F a   | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 82.5 | 199  | 323  | 308  | 173  | 59.8 | 1.44 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | ---  | 1160 |

one-half-peak spread: U:15.1,D:15.3 , L:15.2,R:15.4

NEMA Beam Type: Type 4

H(h) Range:-90 - 90DEG  
H(h) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2019-04-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|  |                  |                   |
|--|------------------|-------------------|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |                  |                   |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              | TYPE:WALL WASHER | WEIGHT:           |
| SPEC.:   | DIM.:            | SERIAL No.:1      |
| MFR.:  | SUR.:            | PROTECTION ANGLE: |

Conical surface Flux(90deg):

1331.2 lm

%lum = 90.0%

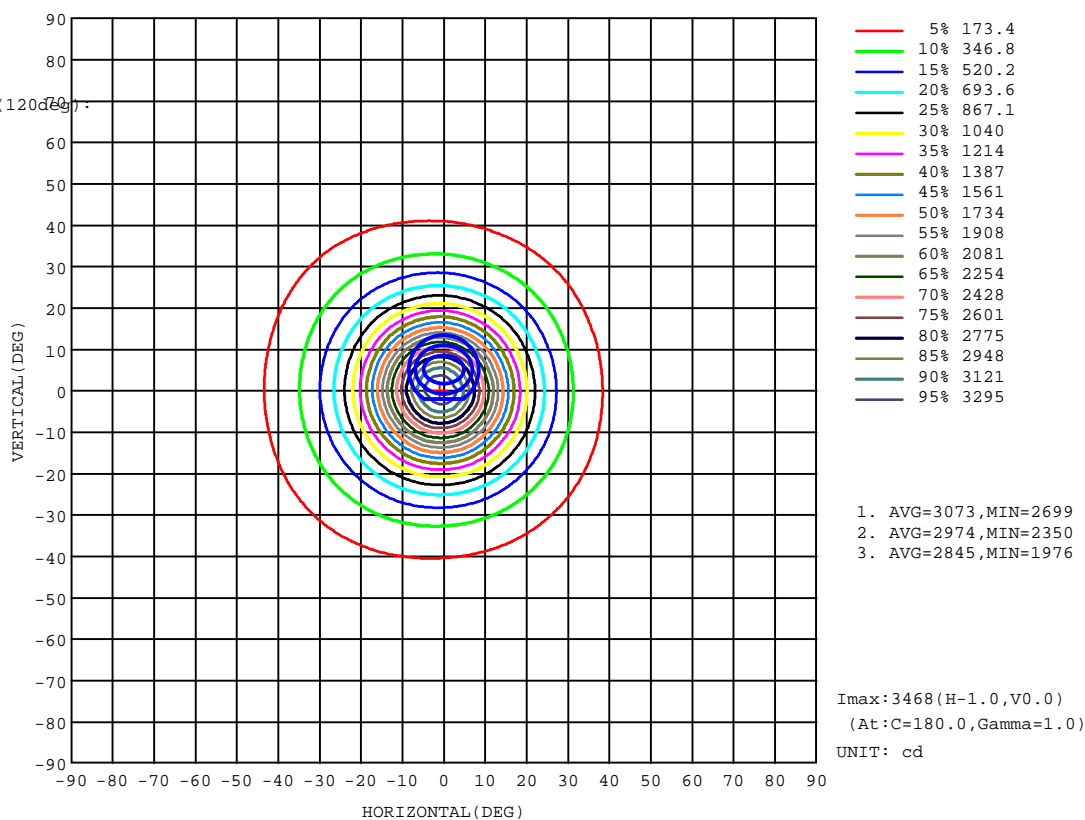
%lamp = 90.0%

Conical surface Flux(120deg):

1419.2 lm

%lum = 95.9%

%lamp = 96.0%



H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-04-29

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

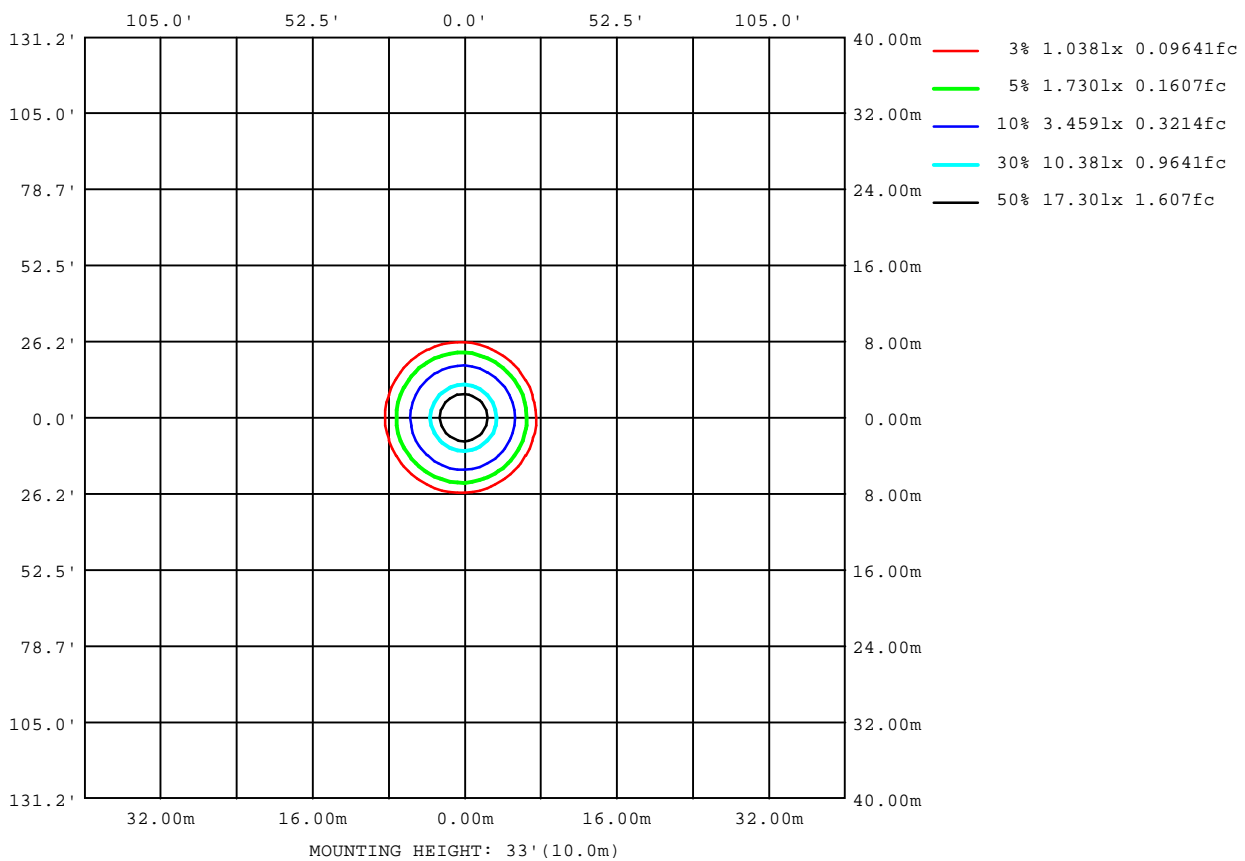
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## ISOLUX DIAGRAM

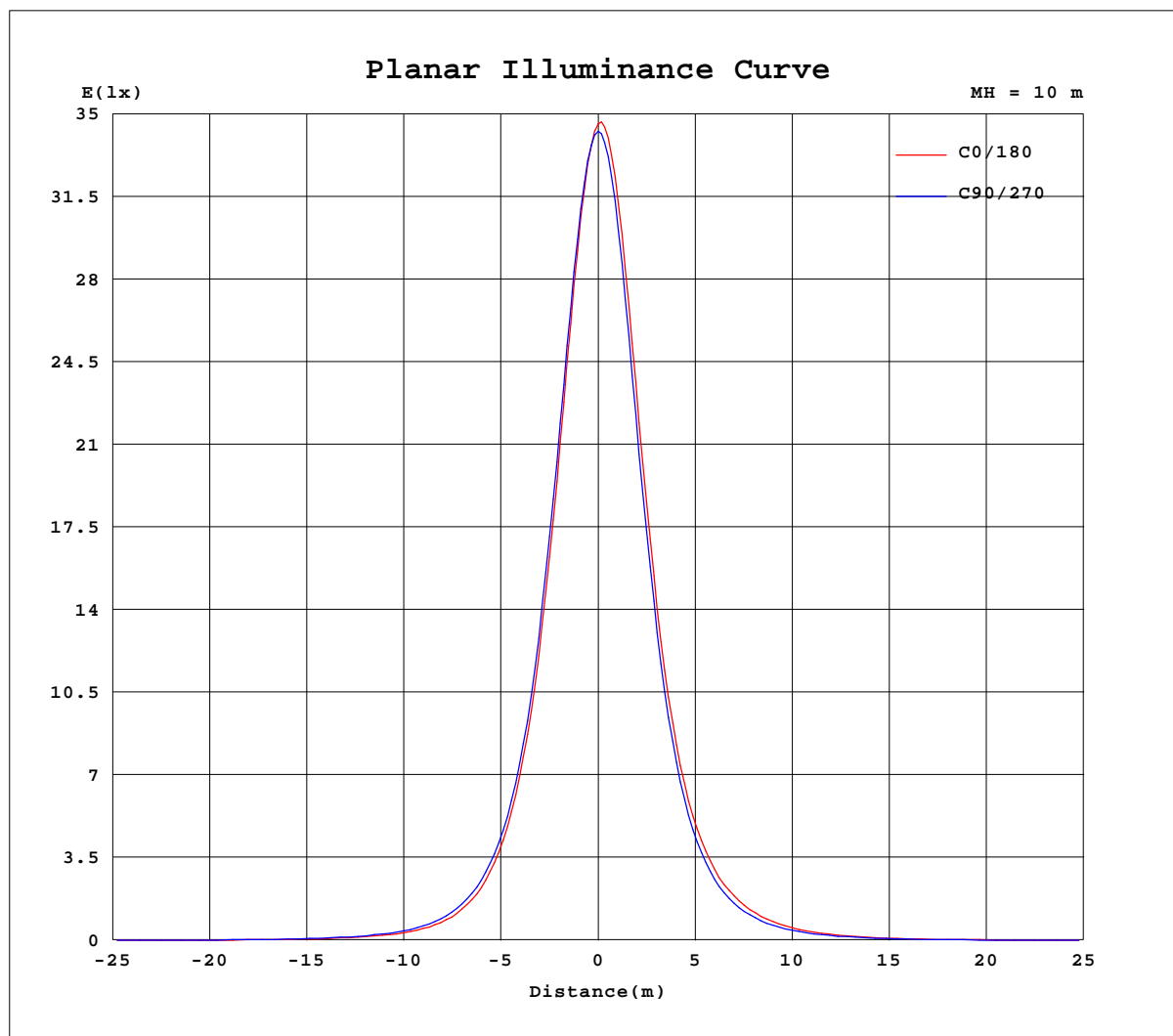
|  |                  |                   |
|--|------------------|-------------------|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |                  |                   |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              | TYPE:WALL WASHER | WEIGHT:           |
| SPEC.:   | DIM.:            | SERIAL No.:1      |
| MFR.:  | SUR.:            | PROTECTION ANGLE: |



H(b) Range:-90 - 90DEG  
H(b) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2019-04-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

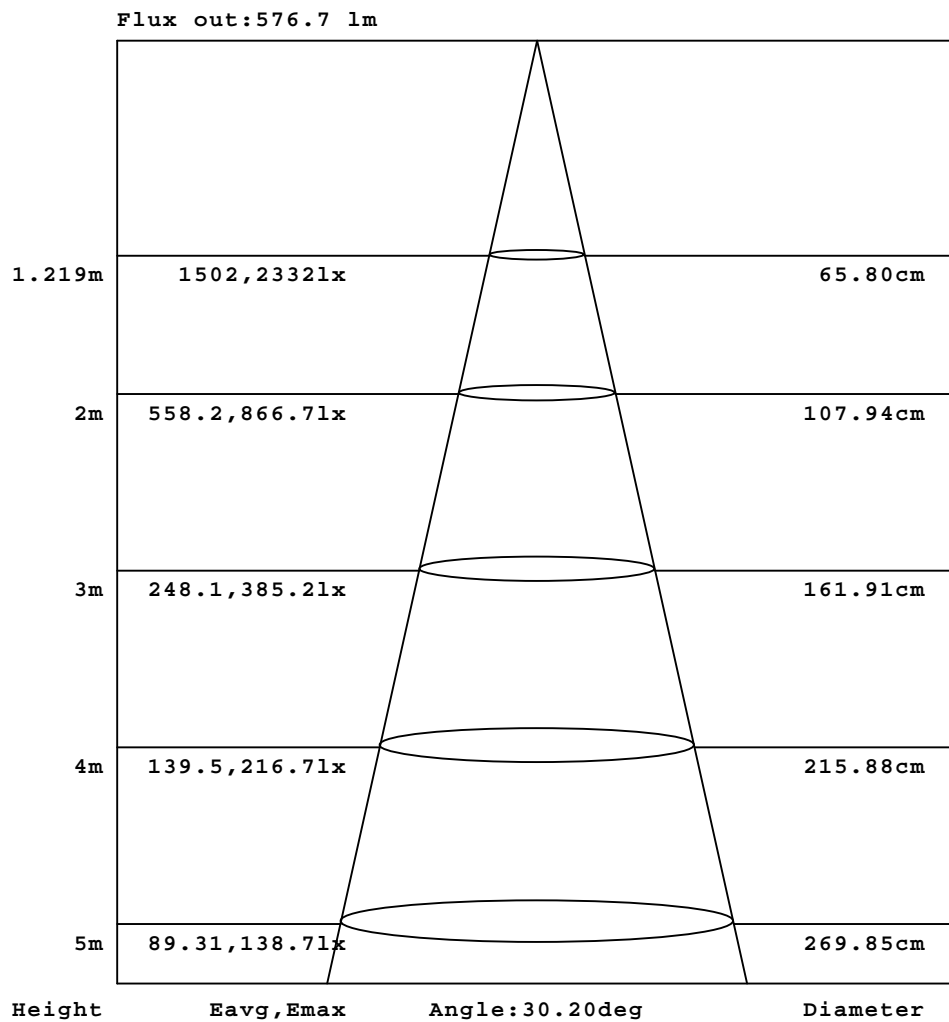


H(b) Range:-90 - 90DEG  
H(b) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2019-04-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## AAI Figure

|  |                  |                   |
|--|------------------|-------------------|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |                  |                   |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              | TYPE:WALL WASHER | WEIGHT:           |
| SPEC.:   | DIM.:            | SERIAL No.:1      |
| MFR.:  | SUR.:            | PROTECTION ANGLE: |



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

H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2019-04-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
|--|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|-------------------|--|--|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              |  |  |  |  |  |  |  |  | TYPE:WALL WASHER |  |  |  |  |  | WEIGHT:           |  |  |
| SPEC.:   |  |  |  |  |  |  |  |  | DIM.:            |  |  |  |  |  | SERIAL No.:1      |  |  |
| MFR.:  |  |  |  |  |  |  |  |  | SUR.:            |  |  |  |  |  | PROTECTION 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        | 1.72 | 1.61 | 1.46 | 1.38 | 1.40 | 1.55 | 1.90 | 2.50 | 3.42 | 4.65 | 6.12 | 7.65 | 9.06 | 10.2 | 11.1 | 11.6 | 12.0 | 12.2 | 12.1 |
| -170        | 1.72 | 1.66 | 1.57 | 1.55 | 1.63 | 1.82 | 2.22 | 2.86 | 3.78 | 5.00 | 6.42 | 7.89 | 9.22 | 10.3 | 11.0 | 11.4 | 11.6 | 11.9 | 11.9 |
| -160        | 1.72 | 1.71 | 1.68 | 1.72 | 1.84 | 2.06 | 2.44 | 3.03 | 3.86 | 4.94 | 6.19 | 7.34 | 8.41 | 9.33 | 10.0 | 10.6 | 11.0 | 11.3 | 11.4 |
| -150        | 1.72 | 1.76 | 1.79 | 1.87 | 2.04 | 2.26 | 2.60 | 3.11 | 3.76 | 4.37 | 5.13 | 5.97 | 6.85 | 7.67 | 8.43 | 9.05 | 9.51 | 9.80 | 9.93 |
| -140        | 1.72 | 1.80 | 1.90 | 2.03 | 2.22 | 2.45 | 2.75 | 3.02 | 3.26 | 3.60 | 4.03 | 4.54 | 5.12 | 5.72 | 6.28 | 6.76 | 7.13 | 7.37 | 7.48 |
| -130        | 1.72 | 1.85 | 2.00 | 2.16 | 2.37 | 2.63 | 2.82 | 2.85 | 2.92 | 3.04 | 3.22 | 3.46 | 3.75 | 4.05 | 4.35 | 4.60 | 4.78 | 4.91 | 4.96 |
| -120        | 1.72 | 1.89 | 2.09 | 2.29 | 2.51 | 2.78 | 2.82 | 2.82 | 2.83 | 2.84 | 2.85 | 2.91 | 3.00 | 3.11 | 3.22 | 3.29 | 3.34 | 3.37 | 3.38 |
| -110        | 1.72 | 1.93 | 2.15 | 2.39 | 2.63 | 2.83 | 2.84 | 2.86 | 2.86 | 2.86 | 2.85 | 2.85 | 2.86 | 2.86 | 2.87 | 2.88 | 2.89 | 2.90 | 2.91 |
| -100        | 1.72 | 1.95 | 2.20 | 2.45 | 2.71 | 2.87 | 2.89 | 2.91 | 2.94 | 2.96 | 2.95 | 2.93 | 2.92 | 2.90 | 2.91 | 2.93 | 2.95 | 2.98 | 3.00 |
| -90         | 1.72 | 1.98 | 2.24 | 2.49 | 2.75 | 2.89 | 2.91 | 2.94 | 2.96 | 2.99 | 2.98 | 2.97 | 2.96 | 2.95 | 2.95 | 2.97 | 2.99 | 3.01 | 3.02 |
| -80         | 1.72 | 2.04 | 2.36 | 2.65 | 2.93 | 3.13 | 3.23 | 3.35 | 3.47 | 3.57 | 3.69 | 3.81 | 3.93 | 4.04 | 4.15 | 4.25 | 4.33 | 4.38 | 4.41 |
| -70         | 1.72 | 2.12 | 2.50 | 2.97 | 3.49 | 3.90 | 4.32 | 4.85 | 5.50 | 6.24 | 7.10 | 8.03 | 8.98 | 9.91 | 10.7 | 11.3 | 11.7 | 11.9 | 11.8 |
| -60         | 1.72 | 2.18 | 2.77 | 3.65 | 4.19 | 5.30 | 6.76 | 8.67 | 11.1 | 14.0 | 17.2 | 20.7 | 24.1 | 27.3 | 30.1 | 32.1 | 33.5 | 34.0 | 33.8 |
| -50         | 1.72 | 2.24 | 3.22 | 3.96 | 5.42 | 7.87 | 11.4 | 16.2 | 22.2 | 29.2 | 36.9 | 45.0 | 53.2 | 61.0 | 68.0 | 73.8 | 77.4 | 78.9 | 78.0 |
| -40         | 1.72 | 2.31 | 3.68 | 4.62 | 7.23 | 11.6 | 18.3 | 27.2 | 38.2 | 51.1 | 66.1 | 83.5 | 103  | 123  | 143  | 162  | 175  | 182  | 181  |
| -30         | 1.72 | 2.40 | 3.69 | 5.37 | 9.37 | 16.1 | 26.3 | 39.9 | 57.2 | 79.3 | 108  | 144  | 188  | 241  | 298  | 356  | 408  | 441  | 445  |
| -20         | 1.72 | 2.47 | 3.70 | 6.11 | 11.4 | 20.4 | 33.9 | 52.2 | 77.1 | 112  | 159  | 225  | 313  | 428  | 575  | 757  | 947  | 1087 | 1124 |
| -10         | 1.72 | 2.51 | 3.75 | 6.65 | 12.8 | 23.6 | 39.5 | 61.7 | 93.5 | 140  | 207  | 305  | 448  | 660  | 983  | 1423 | 1930 | 2348 | 2466 |
| 0           | 1.72 | 2.50 | 3.74 | 6.80 | 13.3 | 24.8 | 41.8 | 65.8 | 101  | 153  | 230  | 344  | 519  | 796  | 1239 | 1886 | 2647 | 3270 | 3459 |
| 10          | 1.72 | 2.47 | 3.69 | 6.56 | 12.7 | 23.5 | 39.6 | 62.0 | 94.3 | 141  | 209  | 309  | 453  | 669  | 996  | 1450 | 1978 | 2379 | 2507 |
| 20          | 1.72 | 2.40 | 3.58 | 5.93 | 11.2 | 20.3 | 33.9 | 52.7 | 78.4 | 114  | 163  | 231  | 320  | 439  | 591  | 773  | 957  | 1097 | 1139 |
| 30          | 1.72 | 2.29 | 3.51 | 5.12 | 9.03 | 15.8 | 26.2 | 40.2 | 58.3 | 81.5 | 111  | 149  | 195  | 249  | 306  | 363  | 413  | 446  | 452  |
| 40          | 1.72 | 2.17 | 3.43 | 4.29 | 6.78 | 11.2 | 17.9 | 27.1 | 38.6 | 52.3 | 68.4 | 87.2 | 108  | 129  | 149  | 168  | 181  | 188  | 187  |
| 50          | 1.72 | 2.07 | 2.91 | 3.55 | 4.90 | 7.21 | 10.8 | 15.8 | 22.0 | 29.5 | 37.7 | 46.3 | 54.8 | 63.0 | 70.3 | 76.2 | 80.1 | 81.6 | 80.6 |
| 60          | 1.72 | 1.99 | 2.41 | 3.14 | 3.58 | 4.57 | 6.02 | 8.04 | 10.7 | 13.7 | 17.1 | 20.7 | 24.2 | 27.5 | 30.4 | 32.5 | 33.8 | 34.3 | 34.0 |
| 70          | 1.72 | 1.91 | 2.10 | 2.37 | 2.74 | 3.05 | 3.50 | 4.06 | 4.74 | 5.55 | 6.49 | 7.45 | 8.41 | 9.30 | 10.1 | 10.7 | 11.2 | 11.4 | 11.4 |
| 80          | 1.72 | 1.82 | 1.92 | 2.01 | 2.09 | 2.15 | 2.24 | 2.35 | 2.46 | 2.56 | 2.73 | 2.90 | 3.06 | 3.21 | 3.34 | 3.43 | 3.49 | 3.53 | 3.55 |
| 90          | 1.72 | 1.74 | 1.76 | 1.78 | 1.80 | 1.80 | 1.80 | 1.79 | 1.78 | 1.77 | 1.79 | 1.81 | 1.84 | 1.86 | 1.86 | 1.85 | 1.83 | 1.82 | 1.80 |
| 100         | 1.72 | 1.71 | 1.71 | 1.71 | 1.72 | 1.70 | 1.66 | 1.62 | 1.58 | 1.54 | 1.54 | 1.53 | 1.53 | 1.54 | 1.53 | 1.50 | 1.47 | 1.44 | 1.42 |
| 110         | 1.72 | 1.69 | 1.68 | 1.65 | 1.63 | 1.58 | 1.52 | 1.45 | 1.40 | 1.36 | 1.36 | 1.36 | 1.35 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.36 |
| 120         | 1.72 | 1.67 | 1.64 | 1.58 | 1.53 | 1.48 | 1.41 | 1.38 | 1.37 | 1.38 | 1.42 | 1.46 | 1.52 | 1.58 | 1.66 | 1.76 | 1.85 | 1.91 | 1.95 |
| 130         | 1.72 | 1.66 | 1.59 | 1.51 | 1.44 | 1.40 | 1.38 | 1.38 | 1.46 | 1.62 | 1.83 | 2.07 | 2.32 | 2.59 | 2.85 | 3.10 | 3.33 | 3.49 | 3.57 |
| 140         | 1.72 | 1.64 | 1.55 | 1.46 | 1.40 | 1.39 | 1.38 | 1.52 | 1.78 | 2.15 | 2.63 | 3.18 | 3.79 | 4.41 | 4.99 | 5.51 | 5.96 | 6.25 | 6.40 |
| 150         | 1.72 | 1.63 | 1.51 | 1.41 | 1.38 | 1.39 | 1.52 | 1.80 | 2.26 | 2.92 | 3.74 | 4.70 | 5.72 | 6.71 | 7.58 | 8.29 | 8.82 | 9.19 | 9.36 |
| 160         | 1.72 | 1.62 | 1.49 | 1.40 | 1.39 | 1.45 | 1.68 | 2.13 | 2.82 | 3.74 | 4.89 | 6.18 | 7.49 | 8.65 | 9.62 | 10.3 | 10.8 | 11.1 | 11.3 |
| 170         | 1.72 | 1.61 | 1.47 | 1.39 | 1.40 | 1.51 | 1.83 | 2.39 | 3.24 | 4.39 | 5.78 | 7.25 | 8.62 | 9.78 | 10.6 | 11.3 | 11.7 | 11.9 | 12.0 |
| 180         | 1.72 | 1.61 | 1.46 | 1.38 | 1.40 | 1.55 | 1.90 | 2.50 | 3.42 | 4.65 | 6.12 | 7.65 | 9.06 | 10.2 | 11.1 | 11.6 | 12.0 | 12.2 | 12.2 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-04-29

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
|--|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|-------------------|--|--|
| Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Lamp Flux:1478.97x1 lm |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
| NAME: L2879-18W-18-W-SL30-OSRAM3030                              |  |  |  |  |  |  |  |  | TYPE:WALL WASHER |  |  |  |  |  | WEIGHT:           |  |  |
| SPEC.:   |  |  |  |  |  |  |  |  | DIM.:            |  |  |  |  |  | SERIAL No.:1      |  |  |
| MFR.:  |  |  |  |  |  |  |  |  | SUR.:            |  |  |  |  |  | PROTECTION 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        | 12.2 | 12.2 | 12.1 | 11.8 | 11.3 | 10.4 | 9.28 | 7.97 | 6.59 | 5.34 | 4.35 | 3.64 | 3.18 | 2.98 | 2.97 | 2.98 | 2.99 | 2.99 |
| -170        | 12.1 | 12.0 | 11.9 | 11.6 | 11.1 | 10.2 | 9.00 | 7.70 | 6.38 | 5.20 | 4.27 | 3.60 | 3.18 | 2.98 | 2.97 | 2.99 | 2.99 | 2.99 |
| -160        | 11.5 | 11.4 | 11.1 | 10.6 | 9.99 | 9.11 | 8.05 | 6.91 | 5.77 | 4.78 | 4.01 | 3.47 | 3.12 | 2.98 | 2.97 | 2.99 | 2.99 | 2.99 |
| -150        | 9.94 | 9.79 | 9.44 | 8.91 | 8.20 | 7.41 | 6.54 | 5.68 | 4.87 | 4.21 | 3.67 | 3.29 | 3.06 | 2.98 | 2.97 | 2.99 | 2.99 | 2.99 |
| -140        | 7.46 | 7.31 | 7.02 | 6.60 | 6.10 | 5.53 | 4.96 | 4.44 | 3.98 | 3.61 | 3.32 | 3.13 | 3.01 | 2.97 | 2.98 | 2.99 | 2.99 | 2.99 |
| -130        | 4.96 | 4.89 | 4.75 | 4.55 | 4.30 | 4.02 | 3.74 | 3.50 | 3.31 | 3.17 | 3.07 | 3.01 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 |
| -120        | 3.40 | 3.40 | 3.38 | 3.33 | 3.24 | 3.17 | 3.09 | 3.00 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 |
| -110        | 2.92 | 2.93 | 2.94 | 2.95 | 2.94 | 2.94 | 2.95 | 2.96 | 2.98 | 2.98 | 2.99 | 2.98 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 |
| -100        | 2.98 | 2.97 | 2.95 | 2.94 | 2.94 | 2.96 | 2.97 | 2.99 | 3.00 | 2.99 | 2.99 | 2.98 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 |
| -90         | 3.01 | 3.00 | 2.98 | 2.97 | 2.97 | 2.97 | 2.98 | 2.99 | 3.00 | 3.00 | 2.99 | 2.98 | 2.98 | 2.98 | 2.98 | 2.99 | 2.99 | 2.99 |
| -80         | 4.36 | 4.29 | 4.19 | 4.07 | 3.95 | 3.84 | 3.72 | 3.60 | 3.49 | 3.41 | 3.31 | 3.21 | 3.13 | 3.09 | 3.07 | 3.05 | 3.03 | 2.99 |
| -70         | 11.6 | 11.1 | 10.5 | 9.81 | 8.98 | 8.12 | 7.26 | 6.44 | 5.72 | 5.11 | 4.59 | 4.16 | 3.80 | 3.56 | 3.31 | 3.16 | 3.07 | 2.99 |
| -60         | 32.8 | 31.1 | 28.8 | 26.0 | 23.0 | 19.9 | 16.8 | 13.9 | 11.3 | 9.17 | 7.40 | 5.98 | 4.91 | 4.26 | 3.98 | 3.36 | 3.12 | 2.99 |
| -50         | 75.1 | 70.2 | 63.8 | 56.6 | 49.1 | 41.5 | 34.2 | 27.7 | 21.8 | 16.7 | 12.5 | 9.15 | 6.77 | 5.18 | 4.37 | 3.73 | 3.18 | 2.99 |
| -40         | 172  | 157  | 138  | 116  | 95.1 | 76.4 | 60.5 | 47.2 | 36.3 | 27.2 | 19.5 | 13.6 | 9.30 | 6.45 | 4.77 | 4.35 | 3.25 | 2.99 |
| -30         | 422  | 374  | 311  | 245  | 185  | 137  | 100  | 73.6 | 53.6 | 38.9 | 27.6 | 18.6 | 12.2 | 7.90 | 5.35 | 4.62 | 3.33 | 2.99 |
| -20         | 1051 | 886  | 683  | 495  | 346  | 234  | 157  | 105  | 72.6 | 50.3 | 34.9 | 23.3 | 14.8 | 9.21 | 5.88 | 4.60 | 3.40 | 2.99 |
| -10         | 2252 | 1785 | 1280 | 858  | 548  | 344  | 215  | 136  | 88.4 | 59.2 | 40.0 | 26.5 | 16.7 | 10.1 | 6.27 | 4.55 | 3.45 | 2.99 |
| 0           | 3098 | 2387 | 1639 | 1051 | 648  | 394  | 242  | 148  | 94.3 | 62.1 | 41.7 | 27.5 | 17.3 | 10.4 | 6.41 | 4.55 | 3.47 | 2.99 |
| 10          | 2259 | 1786 | 1267 | 840  | 536  | 339  | 213  | 134  | 87.2 | 58.3 | 39.3 | 26.0 | 16.4 | 9.90 | 6.14 | 4.47 | 3.41 | 2.99 |
| 20          | 1050 | 877  | 677  | 491  | 341  | 231  | 154  | 103  | 70.3 | 48.8 | 33.5 | 22.3 | 14.2 | 8.80 | 5.62 | 4.44 | 3.32 | 2.99 |
| 30          | 424  | 372  | 309  | 244  | 184  | 136  | 98.7 | 71.5 | 51.6 | 36.7 | 25.6 | 17.4 | 11.3 | 7.33 | 4.98 | 4.39 | 3.21 | 2.99 |
| 40          | 177  | 159  | 138  | 116  | 94.6 | 75.5 | 59.4 | 45.9 | 34.6 | 25.2 | 17.8 | 12.2 | 8.33 | 5.77 | 4.33 | 4.06 | 3.10 | 2.99 |
| 50          | 76.9 | 71.1 | 64.0 | 56.2 | 48.5 | 40.6 | 33.1 | 26.2 | 20.4 | 15.3 | 11.1 | 7.86 | 5.73 | 4.43 | 3.84 | 3.37 | 3.00 | 2.99 |
| 60          | 32.7 | 30.7 | 28.1 | 25.0 | 22.0 | 18.8 | 15.7 | 12.8 | 10.2 | 8.05 | 6.25 | 4.85 | 3.89 | 3.46 | 3.37 | 2.95 | 2.91 | 2.99 |
| 70          | 11.0 | 10.5 | 9.75 | 8.91 | 8.05 | 7.17 | 6.28 | 5.43 | 4.66 | 4.05 | 3.53 | 3.11 | 2.77 | 2.68 | 2.65 | 2.71 | 2.84 | 2.99 |
| 80          | 3.48 | 3.40 | 3.30 | 3.17 | 3.02 | 2.86 | 2.69 | 2.53 | 2.37 | 2.30 | 2.21 | 2.12 | 2.05 | 2.14 | 2.35 | 2.56 | 2.78 | 2.99 |
| 90          | 1.81 | 1.82 | 1.83 | 1.84 | 1.83 | 1.81 | 1.78 | 1.75 | 1.72 | 1.73 | 1.74 | 1.74 | 1.75 | 1.89 | 2.17 | 2.44 | 2.72 | 2.99 |
| 100         | 1.44 | 1.47 | 1.50 | 1.53 | 1.54 | 1.54 | 1.54 | 1.53 | 1.53 | 1.57 | 1.61 | 1.64 | 1.68 | 1.86 | 2.15 | 2.44 | 2.72 | 2.99 |
| 110         | 1.37 | 1.37 | 1.38 | 1.38 | 1.40 | 1.40 | 1.41 | 1.42 | 1.43 | 1.44 | 1.47 | 1.52 | 1.58 | 1.84 | 2.16 | 2.45 | 2.73 | 2.99 |
| 120         | 1.94 | 1.91 | 1.85 | 1.77 | 1.71 | 1.65 | 1.60 | 1.55 | 1.49 | 1.46 | 1.45 | 1.47 | 1.53 | 1.86 | 2.18 | 2.48 | 2.75 | 2.99 |
| 130         | 3.55 | 3.45 | 3.28 | 3.05 | 2.81 | 2.56 | 2.31 | 2.06 | 1.83 | 1.63 | 1.50 | 1.46 | 1.66 | 1.95 | 2.25 | 2.53 | 2.77 | 2.99 |
| 140         | 6.34 | 6.12 | 5.76 | 5.31 | 4.76 | 4.16 | 3.55 | 2.97 | 2.47 | 2.05 | 1.74 | 1.67 | 1.85 | 2.09 | 2.34 | 2.59 | 2.81 | 2.99 |
| 150         | 9.28 | 9.01 | 8.56 | 7.94 | 7.13 | 6.19 | 5.18 | 4.20 | 3.33 | 2.62 | 2.30 | 2.14 | 2.12 | 2.28 | 2.47 | 2.68 | 2.85 | 2.99 |
| 160         | 11.2 | 10.9 | 10.6 | 9.97 | 9.07 | 7.97 | 6.73 | 5.46 | 4.48 | 3.66 | 3.06 | 2.68 | 2.48 | 2.49 | 2.62 | 2.77 | 2.89 | 2.99 |
| 170         | 11.9 | 11.8 | 11.5 | 10.9 | 10.2 | 9.34 | 8.23 | 6.98 | 5.72 | 4.63 | 3.78 | 3.19 | 2.85 | 2.73 | 2.79 | 2.87 | 2.94 | 2.99 |
| 180         | 12.2 | 12.2 | 12.1 | 11.8 | 11.3 | 10.4 | 9.28 | 7.97 | 6.59 | 5.34 | 4.35 | 3.64 | 3.18 | 2.98 | 2.97 | 2.98 | 2.99 | 2.99 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-04-29

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks: