

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

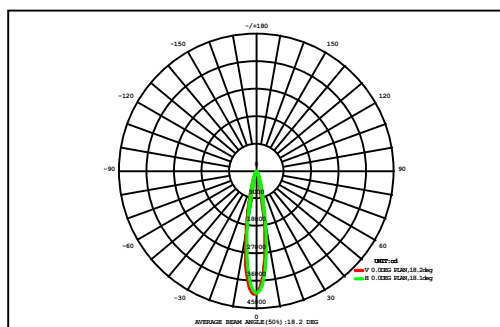
| | | |
|--|----------------|------------------------|
| Maximum Intensity | | 5871.6 cd per klm. |
| (Luminaire orientation as tested.) | | 0.0 degrees vertical |
| | | 0.0 degrees horizontal |
| Beam Spread | At 10% of Imax | 39.6V x 39.7H |
| | At 50% of Imax | 18.1V x 18.2H |
| | At 90% of Imax | 7.3V x 7.4H |
| Beam Flux | Total | 1000.9 lumens per klm. |
| | To 10% of Imax | 712.4 lumens per klm. |
| | To 50% of Imax | 332.1 lumens per klm. |
| | To 90% of Imax | 71.7 lumens per klm. |
| | Upward LOR | 2.1 % |
| | Downward LOR | 98.0 % |
| Luminaire Efficiency(Light Output Ratio) | | 100.0 % |

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-28

V(θ) Range:-180 - 180DEG
V(θ) 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:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |



| DATA OF LAMP | | Eff:69.39lm/W | |
|------------------|-----------------|-----------------|----------|
| MODEL | CREE XPG3 4000K | Imax(cd) | 40387 |
| NOMINAL POWER(W) | 80 | AVAILABILITY(%) | 71.0 |
| RATED VOLTAGE(V) | AC 220 | Avai. FLUX(lm) | 4881 |
| NOMINAL FLUX(lm) | 6878.32 | LOR(%) | 100.0 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 6878 |
| TEST VOLTAGE(V) | AC 220 | q @50%(H,V) | 18,18DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | UNIT:lm | | | F t | F a |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|---------|------|------|------|------|
| | 0.03 | 0.10 | 0.17 | 0.23 | 0.29 | 0.34 | 0.38 | 0.40 | 0.41 | 0.41 | 0.40 | 0.37 | 0.33 | 0.28 | 0.22 | 0.16 | 0.11 | 0.04 | 4.68 | 0.00 |
| 90 | 0.03 | 0.11 | 0.18 | 0.25 | 0.32 | 0.38 | 0.43 | 0.47 | 0.49 | 0.49 | 0.47 | 0.43 | 0.38 | 0.32 | 0.25 | 0.18 | 0.12 | 0.04 | 5.34 | 0.00 |
| 80 | 0.04 | 0.11 | 0.19 | 0.27 | 0.39 | 0.56 | 0.77 | 0.96 | 1.07 | 1.07 | 0.94 | 0.74 | 0.55 | 0.39 | 0.28 | 0.19 | 0.12 | 0.04 | 8.69 | 0.00 |
| 70 | 0.04 | 0.11 | 0.20 | 0.37 | 0.71 | 1.30 | 2.09 | 2.87 | 3.37 | 3.37 | 2.85 | 2.05 | 1.26 | 0.68 | 0.36 | 0.21 | 0.13 | 0.04 | 22.0 | 0.00 |
| 60 | 0.04 | 0.12 | 0.24 | 0.58 | 1.43 | 2.99 | 5.05 | 7.14 | 8.59 | 8.59 | 7.17 | 5.01 | 2.90 | 1.37 | 0.56 | 0.25 | 0.14 | 0.04 | 52.2 | 0.00 |
| 50 | 0.04 | 0.12 | 0.30 | 0.94 | 2.61 | 5.68 | 10.4 | 16.4 | 21.2 | 21.0 | 16.0 | 10.1 | 5.50 | 2.48 | 0.89 | 0.31 | 0.14 | 0.05 | 114 | 0.00 |
| 40 | 0.04 | 0.12 | 0.38 | 1.39 | 4.03 | 9.53 | 21.0 | 42.3 | 64.0 | 62.3 | 39.6 | 19.7 | 9.01 | 3.81 | 1.31 | 0.39 | 0.15 | 0.05 | 279 | 0.00 |
| 30 | 0.04 | 0.13 | 0.45 | 1.81 | 5.43 | 14.5 | 41.1 | 115 | 234 | 220 | 102 | 36.4 | 13.2 | 5.07 | 1.70 | 0.47 | 0.16 | 0.05 | 791 | 535 |
| -30 | 0.04 | 0.13 | 0.50 | 2.06 | 6.35 | 18.6 | 63.5 | 250 | 794 | 711 | 201 | 53.5 | 16.4 | 5.84 | 1.94 | 0.52 | 0.17 | 0.05 | 2125 | 1937 |
| | 0.04 | 0.13 | 0.50 | 2.06 | 6.31 | 18.3 | 62.4 | 240 | 771 | 704 | 199 | 52.9 | 16.3 | 5.81 | 1.94 | 0.52 | 0.17 | 0.05 | 2081 | 1893 |
| | 0.04 | 0.13 | 0.46 | 1.79 | 5.33 | 13.9 | 39.2 | 109 | 228 | 218 | 98.6 | 35.3 | 12.9 | 5.00 | 1.71 | 0.48 | 0.17 | 0.05 | 771 | 516 |
| | 0.04 | 0.13 | 0.40 | 1.38 | 3.94 | 9.15 | 19.9 | 40.7 | 63.1 | 61.6 | 38.5 | 18.8 | 8.68 | 3.75 | 1.33 | 0.42 | 0.16 | 0.05 | 272 | 0.00 |
| | 0.04 | 0.13 | 0.33 | 0.96 | 2.55 | 5.49 | 9.99 | 15.8 | 20.5 | 20.2 | 15.3 | 9.57 | 5.27 | 2.45 | 0.93 | 0.35 | 0.16 | 0.05 | 110 | 0.00 |
| | 0.04 | 0.13 | 0.28 | 0.62 | 1.43 | 2.91 | 4.94 | 6.98 | 8.24 | 8.16 | 6.78 | 4.77 | 2.81 | 1.39 | 0.62 | 0.30 | 0.15 | 0.05 | 50.6 | 0.00 |
| | 0.04 | 0.13 | 0.25 | 0.42 | 0.75 | 1.31 | 2.08 | 2.85 | 3.31 | 3.29 | 2.80 | 2.05 | 1.30 | 0.75 | 0.43 | 0.26 | 0.15 | 0.05 | 22.2 | 0.00 |
| | 0.04 | 0.13 | 0.23 | 0.34 | 0.46 | 0.63 | 0.84 | 1.03 | 1.16 | 1.16 | 1.05 | 0.86 | 0.66 | 0.49 | 0.36 | 0.25 | 0.14 | 0.05 | 9.87 | 0.00 |
| | 0.04 | 0.13 | 0.23 | 0.32 | 0.40 | 0.47 | 0.53 | 0.58 | 0.61 | 0.62 | 0.59 | 0.55 | 0.49 | 0.41 | 0.33 | 0.23 | 0.14 | 0.05 | 6.69 | 0.00 |
| | 0.04 | 0.12 | 0.22 | 0.30 | 0.37 | 0.43 | 0.48 | 0.51 | 0.53 | 0.53 | 0.52 | 0.48 | 0.44 | 0.38 | 0.30 | 0.22 | 0.13 | 0.04 | 6.05 | 0.00 |
| -90 | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | HORIZONTAL (DEG) | | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | |
| F t | 0.66 | 2.23 | 5.51 | 16.1 | 43.1 | 106 | 285 | 854 | 2224 | 2046 | 733 | 254 | 98.3 | 40.7 | 15.5 | 5.70 | 2.60 | 0.82 | 6732 | --- |
| F a | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 | 593 | 2009 | 1829 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 4881 |

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

NEMA Beam Type: Type 3

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-28

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:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |

Conical surface Flux(90deg):

6473 lm

%lum = 94.0%

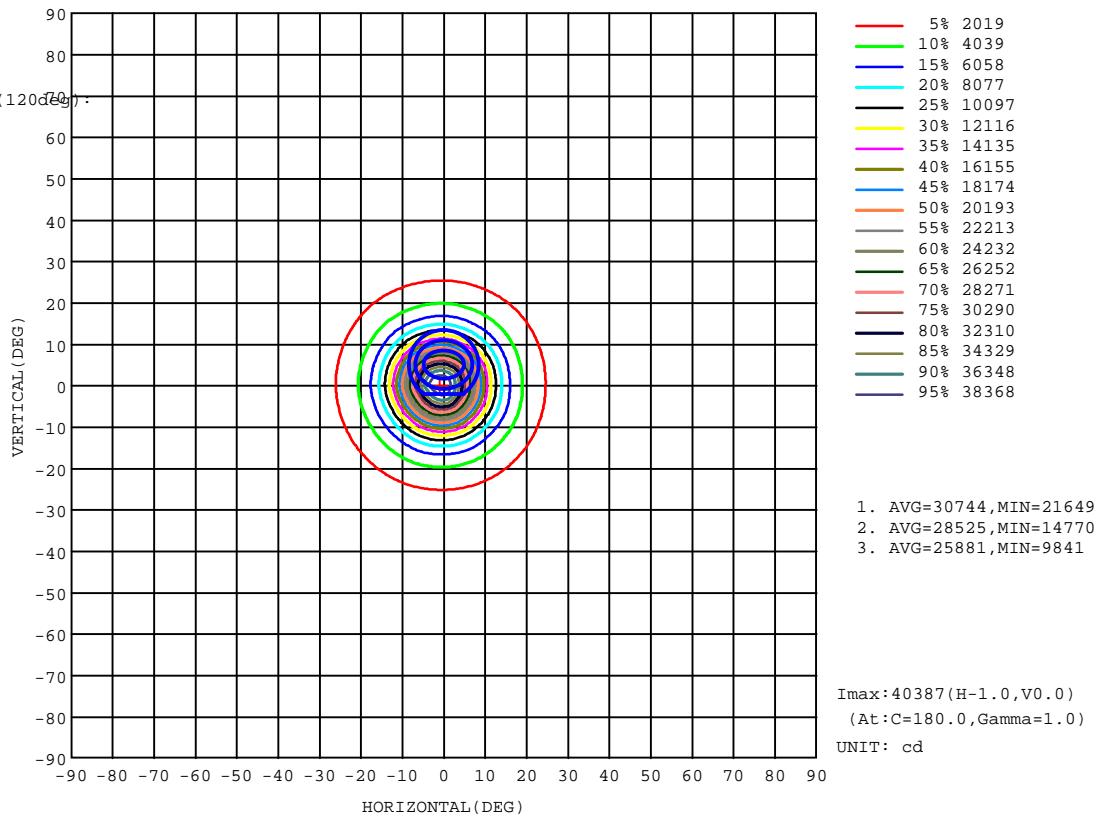
%lamp = 94.1%

Conical surface Flux(120deg):

6663.8 lm

%lum = 96.8%

%lamp = 96.9%



H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290

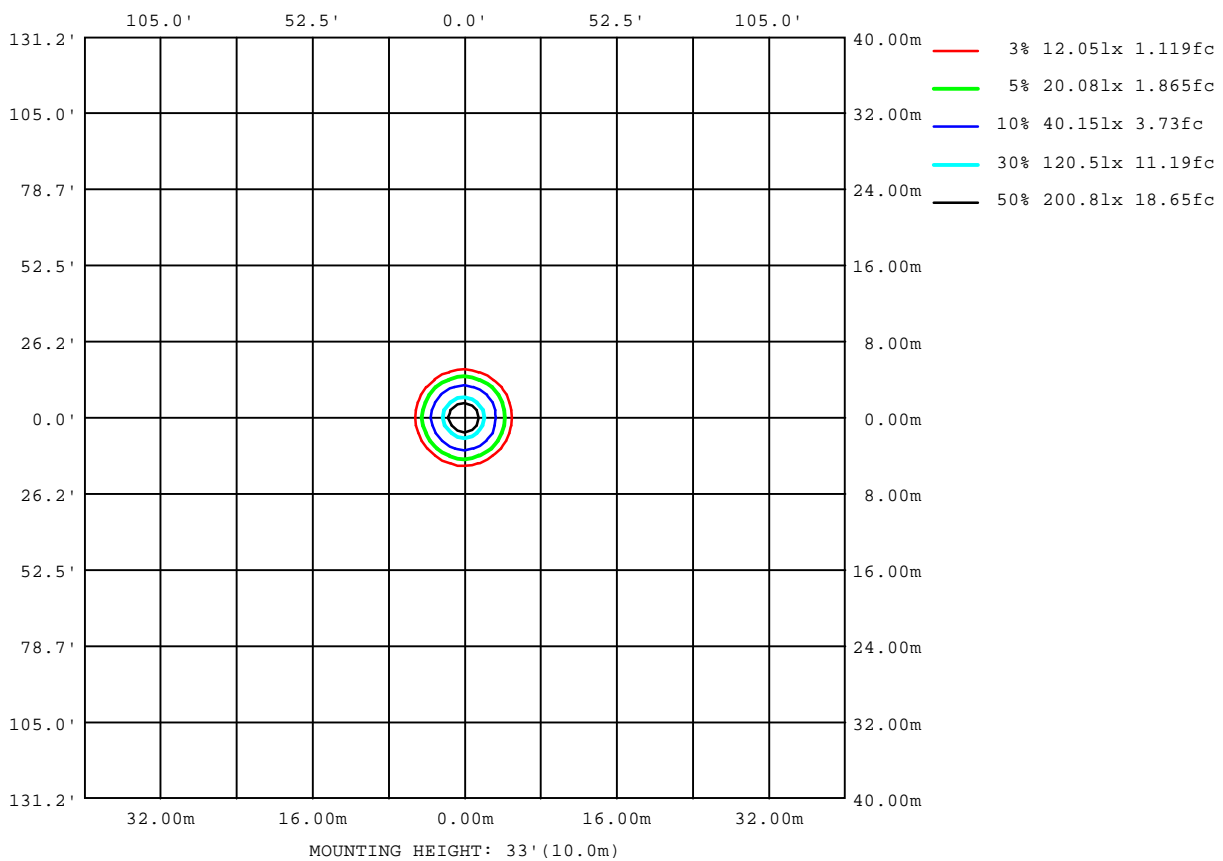
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

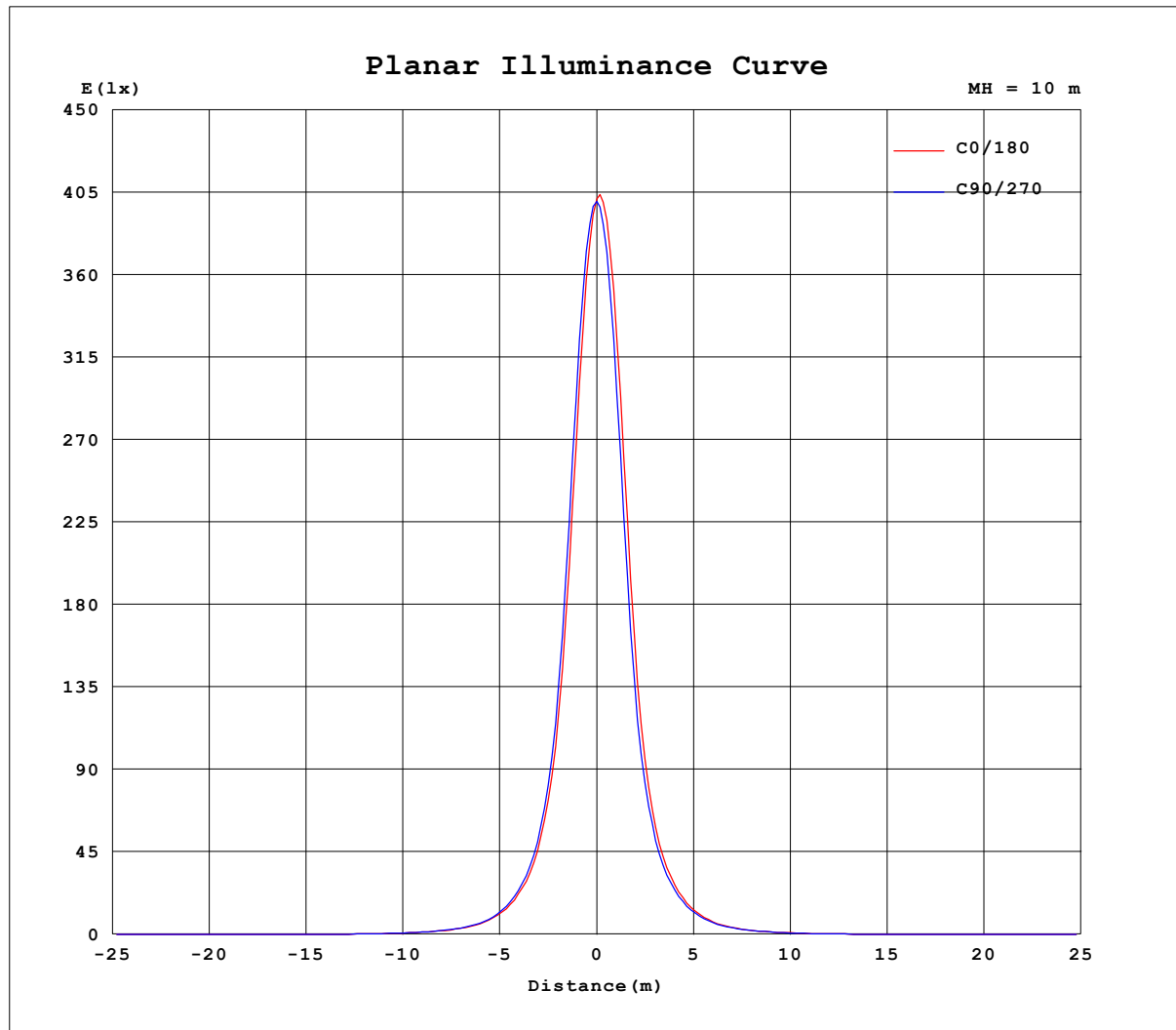
| | | |
|---|----------------|-------------------|
| Test:U:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |



H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-28

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

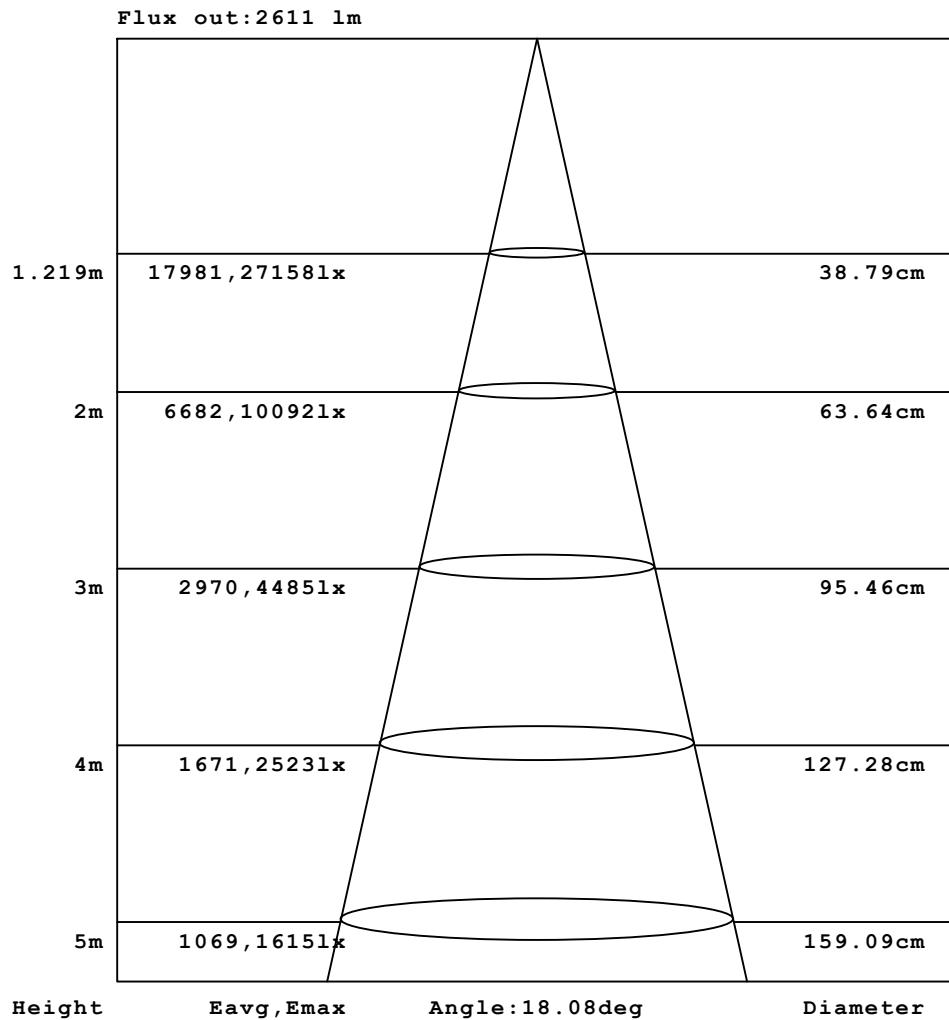


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-28

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:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |



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

H(θ) Range: -90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: Matthew
Test Date: 2018-07-28

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:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: ×10cd

| H(°) \ V(°) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 1.21 | 0.94 | 0.66 | 0.48 | 0.43 | 0.47 | 0.58 | 0.79 | 1.17 | 1.86 | 2.92 | 4.11 | 5.07 | 5.68 | 6.06 | 6.29 | 6.31 | 6.10 | 5.87 |
| -170 | 1.21 | 0.97 | 0.73 | 0.58 | 0.55 | 0.60 | 0.75 | 1.03 | 1.49 | 2.24 | 3.38 | 4.76 | 5.87 | 6.46 | 6.51 | 6.45 | 6.42 | 6.34 | 6.29 |
| -160 | 1.21 | 1.00 | 0.81 | 0.70 | 0.68 | 0.73 | 0.88 | 1.17 | 1.64 | 2.31 | 3.29 | 4.41 | 5.52 | 6.24 | 6.53 | 6.56 | 6.51 | 6.49 | 6.49 |
| -150 | 1.21 | 1.04 | 0.91 | 0.83 | 0.81 | 0.85 | 0.97 | 1.21 | 1.61 | 2.00 | 2.49 | 3.15 | 3.98 | 4.85 | 5.57 | 6.04 | 6.30 | 6.43 | 6.47 |
| -140 | 1.21 | 1.09 | 1.00 | 0.97 | 0.98 | 1.01 | 1.08 | 1.18 | 1.31 | 1.53 | 1.82 | 2.15 | 2.52 | 2.94 | 3.38 | 3.80 | 4.15 | 4.38 | 4.48 |
| -130 | 1.21 | 1.13 | 1.10 | 1.11 | 1.15 | 1.20 | 1.21 | 1.15 | 1.15 | 1.20 | 1.31 | 1.46 | 1.63 | 1.80 | 1.96 | 2.11 | 2.23 | 2.31 | 2.34 |
| -120 | 1.21 | 1.18 | 1.19 | 1.24 | 1.32 | 1.42 | 1.36 | 1.28 | 1.22 | 1.17 | 1.15 | 1.15 | 1.17 | 1.21 | 1.25 | 1.29 | 1.33 | 1.35 | 1.37 |
| -110 | 1.21 | 1.22 | 1.27 | 1.35 | 1.46 | 1.55 | 1.51 | 1.47 | 1.43 | 1.38 | 1.34 | 1.29 | 1.26 | 1.23 | 1.21 | 1.19 | 1.19 | 1.18 | 1.19 |
| -100 | 1.21 | 1.25 | 1.33 | 1.43 | 1.54 | 1.61 | 1.61 | 1.60 | 1.59 | 1.58 | 1.57 | 1.56 | 1.54 | 1.53 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 |
| -90 | 1.21 | 1.30 | 1.40 | 1.49 | 1.59 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.64 | 1.64 | 1.65 | 1.65 |
| -80 | 1.21 | 1.34 | 1.46 | 1.57 | 1.67 | 1.73 | 1.75 | 1.77 | 1.78 | 1.79 | 1.80 | 1.80 | 1.81 | 1.81 | 1.82 | 1.83 | 1.84 | 1.84 | 1.85 |
| -70 | 1.21 | 1.37 | 1.51 | 1.62 | 1.72 | 1.80 | 1.82 | 1.84 | 1.87 | 1.91 | 1.96 | 2.01 | 2.08 | 2.15 | 2.23 | 2.30 | 2.36 | 2.40 | 2.42 |
| -60 | 1.21 | 1.39 | 1.53 | 1.64 | 1.73 | 1.85 | 1.94 | 2.06 | 2.26 | 2.55 | 2.93 | 3.38 | 3.91 | 4.47 | 5.03 | 5.53 | 5.91 | 6.15 | 6.21 |
| -50 | 1.21 | 1.41 | 1.54 | 1.64 | 1.76 | 1.96 | 2.29 | 2.78 | 3.53 | 4.58 | 5.99 | 7.71 | 9.63 | 11.6 | 13.6 | 15.3 | 16.6 | 17.3 | 17.4 |
| -40 | 1.21 | 1.42 | 1.53 | 1.63 | 1.82 | 2.22 | 2.98 | 4.21 | 6.10 | 8.75 | 12.1 | 16.0 | 20.5 | 25.2 | 29.9 | 34.3 | 38.1 | 40.7 | 41.5 |
| -30 | 1.21 | 1.42 | 1.52 | 1.63 | 1.93 | 2.64 | 4.00 | 6.33 | 9.87 | 14.7 | 20.7 | 28.1 | 37.5 | 49.4 | 64.3 | 81.2 | 97.8 | 109 | 113 |
| -20 | 1.21 | 1.42 | 1.50 | 1.63 | 2.06 | 3.11 | 5.16 | 8.71 | 14.0 | 21.1 | 30.4 | 44.1 | 65.0 | 97.3 | 147 | 219 | 302 | 369 | 389 |
| -10 | 1.21 | 1.41 | 1.48 | 1.62 | 2.15 | 3.47 | 6.11 | 10.6 | 17.4 | 26.5 | 40.0 | 62.7 | 102 | 176 | 311 | 535 | 920 | 1473 | 1718 |
| 0 | 1.21 | 1.40 | 1.45 | 1.58 | 2.16 | 3.58 | 6.46 | 11.4 | 18.8 | 29.0 | 45.1 | 73.3 | 126 | 232 | 442 | 895 | 2032 | 3561 | 4015 |
| 10 | 1.21 | 1.39 | 1.45 | 1.57 | 2.10 | 3.43 | 6.09 | 10.7 | 17.5 | 26.8 | 41.0 | 64.5 | 106 | 183 | 323 | 567 | 996 | 1520 | 1739 |
| 20 | 1.21 | 1.39 | 1.45 | 1.54 | 1.95 | 3.00 | 5.10 | 8.77 | 14.2 | 21.4 | 31.5 | 46.3 | 68.4 | 103 | 156 | 229 | 307 | 372 | 394 |
| 30 | 1.21 | 1.38 | 1.44 | 1.50 | 1.77 | 2.47 | 3.86 | 6.30 | 10.0 | 15.0 | 21.2 | 29.1 | 39.0 | 51.7 | 67.1 | 84.0 | 100 | 112 | 116 |
| 40 | 1.21 | 1.37 | 1.44 | 1.48 | 1.60 | 1.97 | 2.74 | 4.03 | 6.07 | 8.88 | 12.5 | 16.6 | 21.2 | 25.9 | 30.8 | 35.6 | 39.7 | 42.5 | 43.5 |
| 50 | 1.21 | 1.35 | 1.42 | 1.46 | 1.51 | 1.65 | 1.95 | 2.50 | 3.34 | 4.50 | 6.02 | 7.81 | 9.80 | 11.9 | 13.8 | 15.5 | 16.9 | 17.9 | 18.2 |
| 60 | 1.21 | 1.32 | 1.40 | 1.44 | 1.46 | 1.50 | 1.57 | 1.72 | 1.95 | 2.28 | 2.70 | 3.20 | 3.75 | 4.32 | 4.87 | 5.37 | 5.77 | 6.02 | 6.09 |
| 70 | 1.21 | 1.29 | 1.36 | 1.41 | 1.44 | 1.46 | 1.47 | 1.48 | 1.50 | 1.54 | 1.60 | 1.66 | 1.74 | 1.81 | 1.88 | 1.95 | 2.00 | 2.03 | 2.04 |
| 80 | 1.21 | 1.25 | 1.29 | 1.33 | 1.36 | 1.39 | 1.40 | 1.42 | 1.43 | 1.43 | 1.44 | 1.45 | 1.46 | 1.46 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 |
| 90 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.20 | 1.20 | 1.20 | 1.19 | 1.19 | 1.18 | 1.18 | 1.17 | 1.17 | 1.16 | 1.16 | 1.15 | 1.15 | 1.15 |
| 100 | 1.21 | 1.15 | 1.11 | 1.07 | 1.02 | 0.98 | 0.93 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 | 0.61 | 0.60 |
| 110 | 1.21 | 1.11 | 1.02 | 0.93 | 0.83 | 0.74 | 0.66 | 0.59 | 0.53 | 0.49 | 0.46 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| 120 | 1.21 | 1.07 | 0.94 | 0.79 | 0.66 | 0.56 | 0.49 | 0.45 | 0.43 | 0.43 | 0.44 | 0.45 | 0.47 | 0.50 | 0.52 | 0.55 | 0.57 | 0.58 | 0.59 |
| 130 | 1.21 | 1.03 | 0.85 | 0.68 | 0.54 | 0.47 | 0.43 | 0.43 | 0.45 | 0.50 | 0.56 | 0.64 | 0.73 | 0.84 | 0.95 | 1.06 | 1.15 | 1.21 | 1.23 |
| 140 | 1.21 | 1.00 | 0.78 | 0.59 | 0.48 | 0.43 | 0.43 | 0.47 | 0.56 | 0.68 | 0.84 | 1.07 | 1.37 | 1.74 | 2.14 | 2.52 | 2.83 | 3.02 | 3.10 |
| 150 | 1.21 | 0.97 | 0.73 | 0.53 | 0.44 | 0.43 | 0.47 | 0.56 | 0.72 | 0.97 | 1.36 | 1.93 | 2.64 | 3.39 | 4.06 | 4.56 | 4.90 | 5.08 | 5.14 |
| 160 | 1.21 | 0.95 | 0.69 | 0.50 | 0.43 | 0.44 | 0.52 | 0.67 | 0.92 | 1.36 | 2.07 | 3.02 | 4.01 | 4.81 | 5.35 | 5.69 | 5.89 | 6.00 | 6.04 |
| 170 | 1.21 | 0.94 | 0.66 | 0.48 | 0.43 | 0.46 | 0.56 | 0.75 | 1.10 | 1.72 | 2.69 | 3.83 | 4.82 | 5.48 | 5.89 | 6.14 | 6.28 | 6.28 | 6.23 |
| 180 | 1.21 | 0.94 | 0.66 | 0.48 | 0.43 | 0.47 | 0.58 | 0.79 | 1.17 | 1.86 | 2.92 | 4.11 | 5.07 | 5.68 | 6.06 | 6.29 | 6.31 | 6.10 | 5.88 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

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:220.6V I:0.3811A P:81.31W PF:0.9671 Lamp Flux:6878.32x1 lm | | | | | | | | | | | | | | | | | |
| NAME: L0229-80W-36-4000K-HQ15D+5D-XPG3 | | | | | | | | | TYPE:PROJECTOR | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | | SERIAL No.:1 | | |
| MFR.: 广东亮美集照明科技有限公司 | | | | | | | | | SUR.: | | | | | | PROTECTION ANGLE: | | |

Table--2

UNIT: ×10cd

| H(°) \ V(°) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 5.93 | 6.24 | 6.46 | 6.52 | 6.59 | 6.53 | 5.94 | 4.75 | 3.41 | 2.47 | 1.86 | 1.42 | 1.18 | 1.17 | 1.30 | 1.49 | 1.61 | 1.66 |
| -170 | 6.33 | 6.42 | 6.49 | 6.54 | 6.61 | 6.43 | 5.70 | 4.45 | 3.22 | 2.36 | 1.79 | 1.39 | 1.17 | 1.17 | 1.31 | 1.49 | 1.62 | 1.66 |
| -160 | 6.50 | 6.54 | 6.59 | 6.60 | 6.41 | 5.82 | 4.81 | 3.65 | 2.72 | 2.09 | 1.63 | 1.30 | 1.16 | 1.19 | 1.34 | 1.51 | 1.62 | 1.66 |
| -150 | 6.46 | 6.37 | 6.16 | 5.77 | 5.14 | 4.29 | 3.42 | 2.70 | 2.15 | 1.73 | 1.41 | 1.20 | 1.15 | 1.23 | 1.38 | 1.53 | 1.62 | 1.66 |
| -140 | 4.44 | 4.25 | 3.94 | 3.54 | 3.10 | 2.68 | 2.28 | 1.94 | 1.63 | 1.38 | 1.22 | 1.15 | 1.18 | 1.30 | 1.44 | 1.56 | 1.63 | 1.66 |
| -130 | 2.33 | 2.27 | 2.16 | 2.03 | 1.87 | 1.71 | 1.54 | 1.38 | 1.25 | 1.17 | 1.15 | 1.19 | 1.27 | 1.39 | 1.50 | 1.58 | 1.64 | 1.66 |
| -120 | 1.36 | 1.35 | 1.32 | 1.28 | 1.24 | 1.20 | 1.17 | 1.16 | 1.17 | 1.20 | 1.25 | 1.32 | 1.41 | 1.49 | 1.56 | 1.61 | 1.64 | 1.66 |
| -110 | 1.18 | 1.19 | 1.19 | 1.20 | 1.22 | 1.25 | 1.28 | 1.31 | 1.36 | 1.40 | 1.45 | 1.49 | 1.53 | 1.57 | 1.61 | 1.63 | 1.65 | 1.66 |
| -100 | 1.51 | 1.51 | 1.51 | 1.52 | 1.53 | 1.54 | 1.55 | 1.56 | 1.58 | 1.59 | 1.60 | 1.61 | 1.62 | 1.63 | 1.64 | 1.65 | 1.65 | 1.66 |
| -90 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 | 1.66 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 |
| -80 | 1.85 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.82 | 1.80 | 1.78 | 1.75 | 1.74 | 1.72 | 1.70 | 1.68 | 1.66 |
| -70 | 2.42 | 2.41 | 2.37 | 2.32 | 2.25 | 2.18 | 2.12 | 2.07 | 2.02 | 1.97 | 1.93 | 1.90 | 1.86 | 1.82 | 1.78 | 1.74 | 1.70 | 1.66 |
| -60 | 6.13 | 5.90 | 5.52 | 5.05 | 4.50 | 3.96 | 3.45 | 3.01 | 2.64 | 2.37 | 2.17 | 2.04 | 1.96 | 1.90 | 1.84 | 1.78 | 1.72 | 1.66 |
| -50 | 17.1 | 16.2 | 14.9 | 13.2 | 11.3 | 9.34 | 7.48 | 5.86 | 4.54 | 3.54 | 2.83 | 2.38 | 2.11 | 1.97 | 1.89 | 1.82 | 1.74 | 1.66 |
| -40 | 40.3 | 37.5 | 33.5 | 28.9 | 24.3 | 19.7 | 15.5 | 11.6 | 8.42 | 5.91 | 4.15 | 3.04 | 2.39 | 2.08 | 1.94 | 1.85 | 1.75 | 1.66 |
| -30 | 108 | 94.6 | 77.8 | 61.4 | 47.0 | 35.7 | 26.8 | 19.7 | 14.0 | 9.45 | 6.12 | 4.01 | 2.81 | 2.22 | 1.98 | 1.87 | 1.77 | 1.66 |
| -20 | 356 | 283 | 202 | 136 | 90.4 | 61.0 | 41.7 | 28.8 | 19.9 | 13.3 | 8.35 | 5.10 | 3.26 | 2.37 | 2.02 | 1.89 | 1.78 | 1.66 |
| -10 | 1369 | 822 | 473 | 271 | 155 | 91.5 | 57.2 | 37.1 | 24.7 | 16.3 | 10.1 | 5.98 | 3.63 | 2.49 | 2.06 | 1.90 | 1.78 | 1.66 |
| 0 | 3042 | 1521 | 693 | 353 | 192 | 107 | 64.2 | 40.5 | 26.6 | 17.4 | 10.8 | 6.32 | 3.78 | 2.53 | 2.07 | 1.90 | 1.78 | 1.66 |
| 10 | 1372 | 847 | 484 | 276 | 158 | 93.3 | 58.0 | 37.5 | 24.9 | 16.3 | 10.1 | 5.93 | 3.56 | 2.42 | 2.00 | 1.87 | 1.77 | 1.66 |
| 20 | 358 | 286 | 208 | 142 | 94.1 | 63.2 | 43.0 | 29.6 | 20.2 | 13.3 | 8.27 | 4.97 | 3.11 | 2.23 | 1.92 | 1.83 | 1.75 | 1.66 |
| 30 | 111 | 97.4 | 80.9 | 64.4 | 49.7 | 37.6 | 27.9 | 20.3 | 14.2 | 9.35 | 5.95 | 3.78 | 2.56 | 2.01 | 1.83 | 1.78 | 1.72 | 1.66 |
| 40 | 42.3 | 39.3 | 35.3 | 30.6 | 25.7 | 20.8 | 16.1 | 11.9 | 8.43 | 5.74 | 3.84 | 2.67 | 2.05 | 1.81 | 1.75 | 1.74 | 1.69 | 1.66 |
| 50 | 17.9 | 17.0 | 15.6 | 13.8 | 11.7 | 9.58 | 7.59 | 5.78 | 4.29 | 3.19 | 2.41 | 1.91 | 1.71 | 1.67 | 1.69 | 1.69 | 1.67 | 1.66 |
| 60 | 6.00 | 5.73 | 5.30 | 4.77 | 4.19 | 3.62 | 3.07 | 2.59 | 2.20 | 1.90 | 1.70 | 1.58 | 1.54 | 1.58 | 1.62 | 1.63 | 1.64 | 1.66 |
| 70 | 2.02 | 1.98 | 1.92 | 1.85 | 1.77 | 1.71 | 1.64 | 1.58 | 1.54 | 1.51 | 1.50 | 1.49 | 1.47 | 1.50 | 1.54 | 1.57 | 1.60 | 1.66 |
| 80 | 1.46 | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.45 | 1.44 | 1.43 | 1.42 | 1.40 | 1.38 | 1.35 | 1.37 | 1.43 | 1.50 | 1.57 | 1.66 |
| 90 | 1.14 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.17 | 1.29 | 1.41 | 1.54 | 1.66 |
| 100 | 0.60 | 0.61 | 0.61 | 0.63 | 0.64 | 0.66 | 0.68 | 0.70 | 0.73 | 0.76 | 0.80 | 0.84 | 0.88 | 1.02 | 1.21 | 1.38 | 1.53 | 1.66 |
| 110 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.44 | 0.46 | 0.49 | 0.53 | 0.59 | 0.66 | 0.88 | 1.12 | 1.34 | 1.52 | 1.66 |
| 120 | 0.58 | 0.57 | 0.55 | 0.53 | 0.50 | 0.48 | 0.45 | 0.43 | 0.42 | 0.42 | 0.43 | 0.46 | 0.53 | 0.79 | 1.06 | 1.32 | 1.52 | 1.66 |
| 130 | 1.22 | 1.17 | 1.09 | 0.98 | 0.87 | 0.76 | 0.66 | 0.58 | 0.51 | 0.46 | 0.42 | 0.42 | 0.54 | 0.77 | 1.04 | 1.30 | 1.52 | 1.66 |
| 140 | 3.05 | 2.88 | 2.60 | 2.23 | 1.84 | 1.46 | 1.14 | 0.90 | 0.71 | 0.58 | 0.49 | 0.50 | 0.62 | 0.80 | 1.04 | 1.31 | 1.53 | 1.66 |
| 150 | 5.09 | 4.94 | 4.64 | 4.18 | 3.56 | 2.83 | 2.10 | 1.48 | 1.05 | 0.77 | 0.70 | 0.68 | 0.73 | 0.86 | 1.08 | 1.33 | 1.54 | 1.66 |
| 160 | 5.99 | 5.88 | 5.70 | 5.40 | 4.93 | 4.21 | 3.27 | 2.31 | 1.71 | 1.32 | 1.08 | 0.92 | 0.87 | 0.95 | 1.13 | 1.37 | 1.56 | 1.66 |
| 170 | 6.22 | 6.21 | 6.10 | 5.88 | 5.63 | 5.34 | 4.69 | 3.68 | 2.65 | 1.94 | 1.49 | 1.18 | 1.02 | 1.05 | 1.21 | 1.42 | 1.59 | 1.66 |
| 180 | 5.93 | 6.24 | 6.46 | 6.52 | 6.59 | 6.53 | 5.94 | 4.75 | 3.41 | 2.47 | 1.86 | 1.42 | 1.18 | 1.17 | 1.30 | 1.49 | 1.61 | 1.66 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

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: