

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

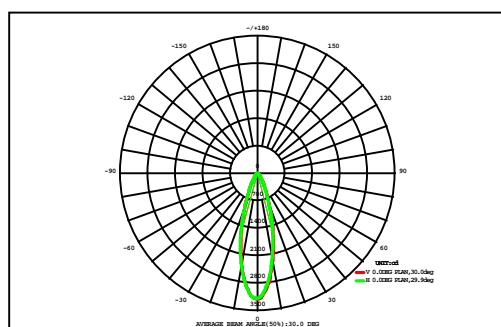
| | | |
|--|----------------|------------------------|
| Maximum Intensity | | 2689.7 cd per klm. |
| (Luminaire orientation as tested.) | | 0.0 degrees vertical |
| | | 0.0 degrees horizontal |
| Beam Spread | At 10% of Imax | 61.0V x 61.3H |
| | At 50% of Imax | 29.9V x 30.0H |
| | At 90% of Imax | 10.7V x 11.1H |
| Beam Flux | Total | 1000.4 lumens per klm. |
| | To 10% of Imax | 807.4 lumens per klm. |
| | To 50% of Imax | 406.8 lumens per klm. |
| | To 90% of Imax | 72.8 lumens per klm. |
| | Upward LOR | 2.0 % |
| | 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:2018-05-10

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:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-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:45 |



| DATA OF LAMP | | Eff:61.11lm/W | |
|------------------|-----------------|-----------------|----------|
| MODEL | CREE XPG3 3000K | Imax(cd) | 3206 |
| NOMINAL POWER(W) | 20 | AVAILABILITY(%) | 80.8 |
| RATED VOLTAGE(V) | AC 220 | Avai. FLUX(lm) | 963.3 |
| NOMINAL FLUX(lm) | 1191.99 | LOR(%) | 100.0 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 1192 |
| TEST VOLTAGE(V) | AC 220 | q @50%(H,V) | 30,30DEG |

| VERTICAL(DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | UNIT:lm | | F t | F a |
|-----------------|-------------------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|------|---------|------|------|-----|
| | 0.00 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.01 | 0.01 | 0.58 | 0.00 | |
| 90 | 0.00 | 0.01 | 0.02 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.79 | 0.00 | |
| 80 | 0.00 | 0.01 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.11 | 0.12 | 0.12 | 0.10 | 0.09 | 0.07 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 1.10 | 0.00 | |
| 70 | 0.00 | 0.02 | 0.04 | 0.06 | 0.09 | 0.15 | 0.29 | 0.45 | 0.55 | 0.54 | 0.41 | 0.25 | 0.13 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 3.15 | 0.00 | |
| 60 | 0.00 | 0.02 | 0.04 | 0.07 | 0.19 | 0.53 | 1.05 | 1.55 | 1.93 | 1.89 | 1.46 | 0.94 | 0.46 | 0.15 | 0.06 | 0.04 | 0.02 | 0.01 | 10.4 | 0.00 | |
| 50 | 0.00 | 0.02 | 0.05 | 0.12 | 0.47 | 1.26 | 2.55 | 4.39 | 5.70 | 5.57 | 4.11 | 2.32 | 1.13 | 0.40 | 0.10 | 0.05 | 0.02 | 0.01 | 28.3 | 0.00 | |
| 40 | 0.00 | 0.02 | 0.05 | 0.21 | 0.86 | 2.42 | 5.84 | 10.8 | 15.5 | 15.2 | 10.2 | 5.34 | 2.12 | 0.77 | 0.18 | 0.05 | 0.02 | 0.01 | 69.7 | 44.2 | |
| 30 | 0.00 | 0.02 | 0.06 | 0.32 | 1.28 | 3.98 | 10.7 | 25.3 | 42.5 | 41.7 | 23.9 | 9.70 | 3.55 | 1.13 | 0.28 | 0.06 | 0.03 | 0.01 | 164 | 148 | |
| -30 | 0.01 | 0.02 | 0.07 | 0.39 | 1.59 | 5.27 | 15.7 | 43.9 | 77.7 | 75.6 | 41.3 | 14.3 | 4.72 | 1.41 | 0.35 | 0.07 | 0.03 | 0.01 | 282 | 268 | |
| | 0.01 | 0.02 | 0.07 | 0.40 | 1.60 | 5.36 | 16.0 | 45.4 | 80.4 | 79.5 | 43.3 | 14.8 | 4.83 | 1.44 | 0.36 | 0.07 | 0.03 | 0.01 | 293 | 280 | |
| | 0.01 | 0.02 | 0.06 | 0.34 | 1.31 | 4.21 | 11.2 | 27.9 | 47.9 | 47.1 | 26.6 | 10.5 | 3.81 | 1.20 | 0.30 | 0.06 | 0.03 | 0.01 | 183 | 166 | |
| | 0.01 | 0.02 | 0.06 | 0.24 | 0.93 | 2.55 | 6.26 | 12.0 | 18.0 | 17.7 | 11.6 | 5.95 | 2.37 | 0.84 | 0.21 | 0.06 | 0.03 | 0.01 | 78.9 | 55.9 | |
| | 0.01 | 0.02 | 0.05 | 0.14 | 0.54 | 1.37 | 2.83 | 4.93 | 6.50 | 6.45 | 4.84 | 2.68 | 1.28 | 0.48 | 0.13 | 0.06 | 0.03 | 0.01 | 32.4 | 1.32 | |
| -40 | 0.01 | 0.02 | 0.05 | 0.09 | 0.24 | 0.62 | 1.19 | 1.80 | 2.25 | 2.23 | 1.75 | 1.14 | 0.57 | 0.21 | 0.09 | 0.05 | 0.02 | 0.01 | 12.3 | 0.00 | |
| -50 | 0.00 | 0.02 | 0.04 | 0.08 | 0.12 | 0.21 | 0.39 | 0.58 | 0.70 | 0.69 | 0.56 | 0.36 | 0.19 | 0.11 | 0.07 | 0.04 | 0.02 | 0.01 | 4.21 | 0.00 | |
| -60 | 0.00 | 0.02 | 0.04 | 0.06 | 0.09 | 0.12 | 0.14 | 0.17 | 0.19 | 0.19 | 0.16 | 0.14 | 0.11 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01 | 1.64 | 0.00 | |
| -70 | 0.00 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.08 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 1.15 | 0.00 | |
| -80 | 0.00 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.06 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 0.89 | 0.00 | |
| -90 | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | HORIZONTAL(DEG) | | | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | |
| F t | 0.09 | 0.35 | 0.81 | 2.73 | 9.57 | 28.4 | 74.4 | 180 | 300 | 295 | 171 | 68.8 | 25.6 | 8.57 | 2.43 | 0.81 | 0.41 | 0.12 | 1168 | --- | |
| F a | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 50.0 | 160 | 282 | 277 | 151 | 43.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 963 | |

one-half-peak spread: U:15.8,D:14.4 , L:15.5,R:14.8

NEMA Beam Type: Type 4

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-05-10

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:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-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:45 |

Conical surface Flux(90deg):

1118.7 lm

%lum = 93.8%

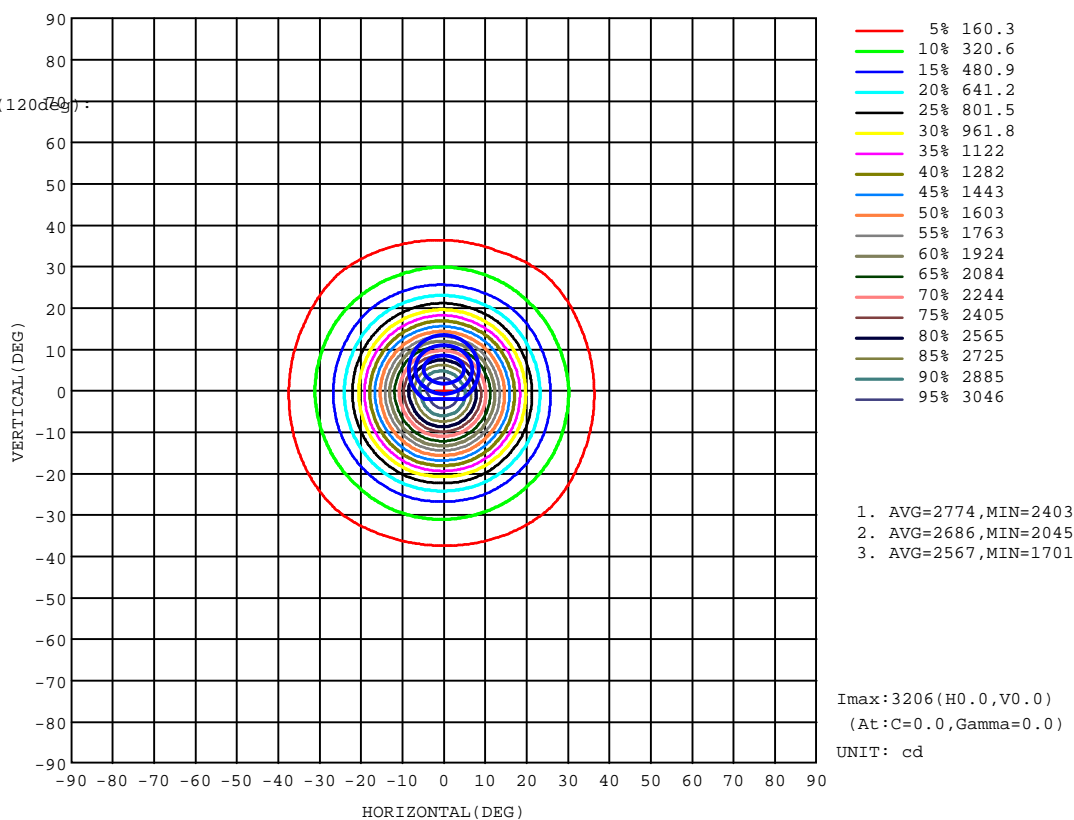
%lamp = 93.8%

Conical surface Flux(120deg):

1158 lm

%lum = 97.1%

%lamp = 97.1%



H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-05-10

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

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

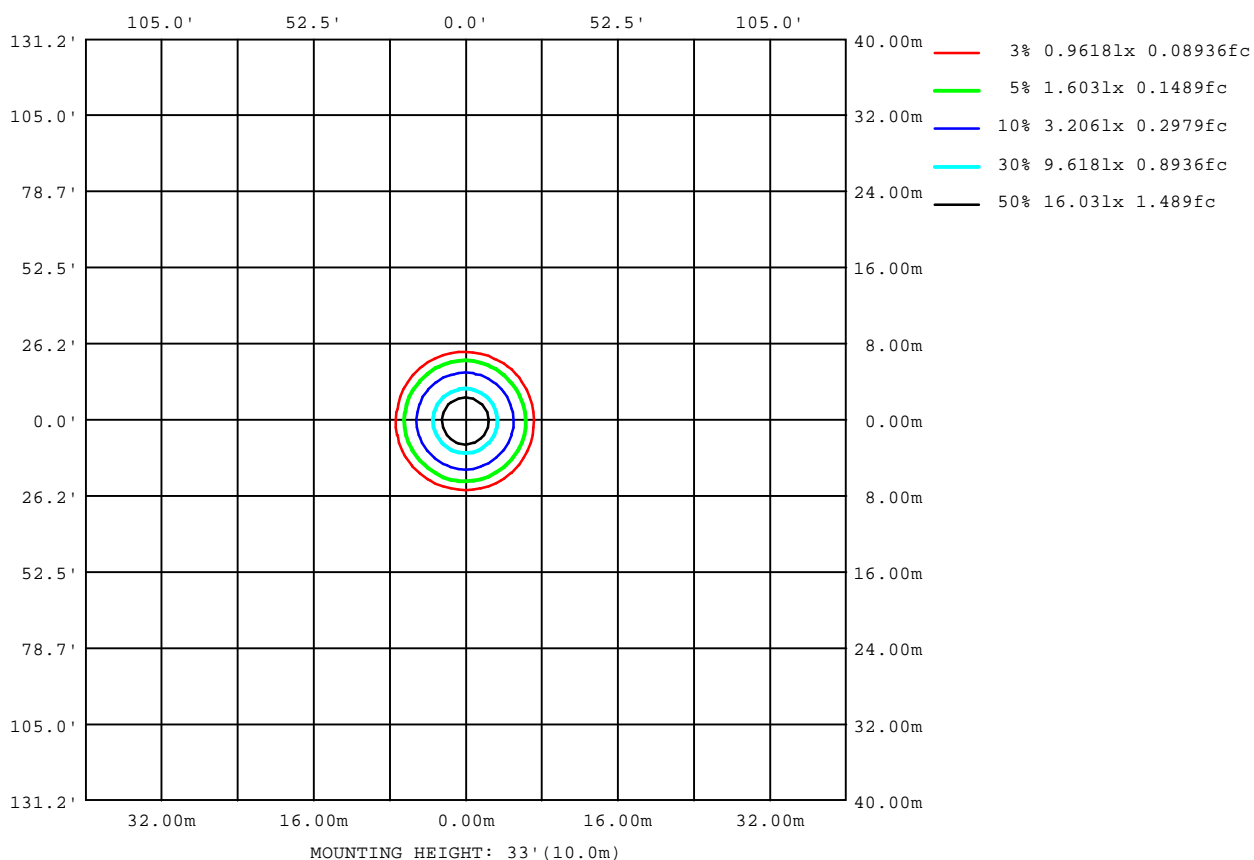
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

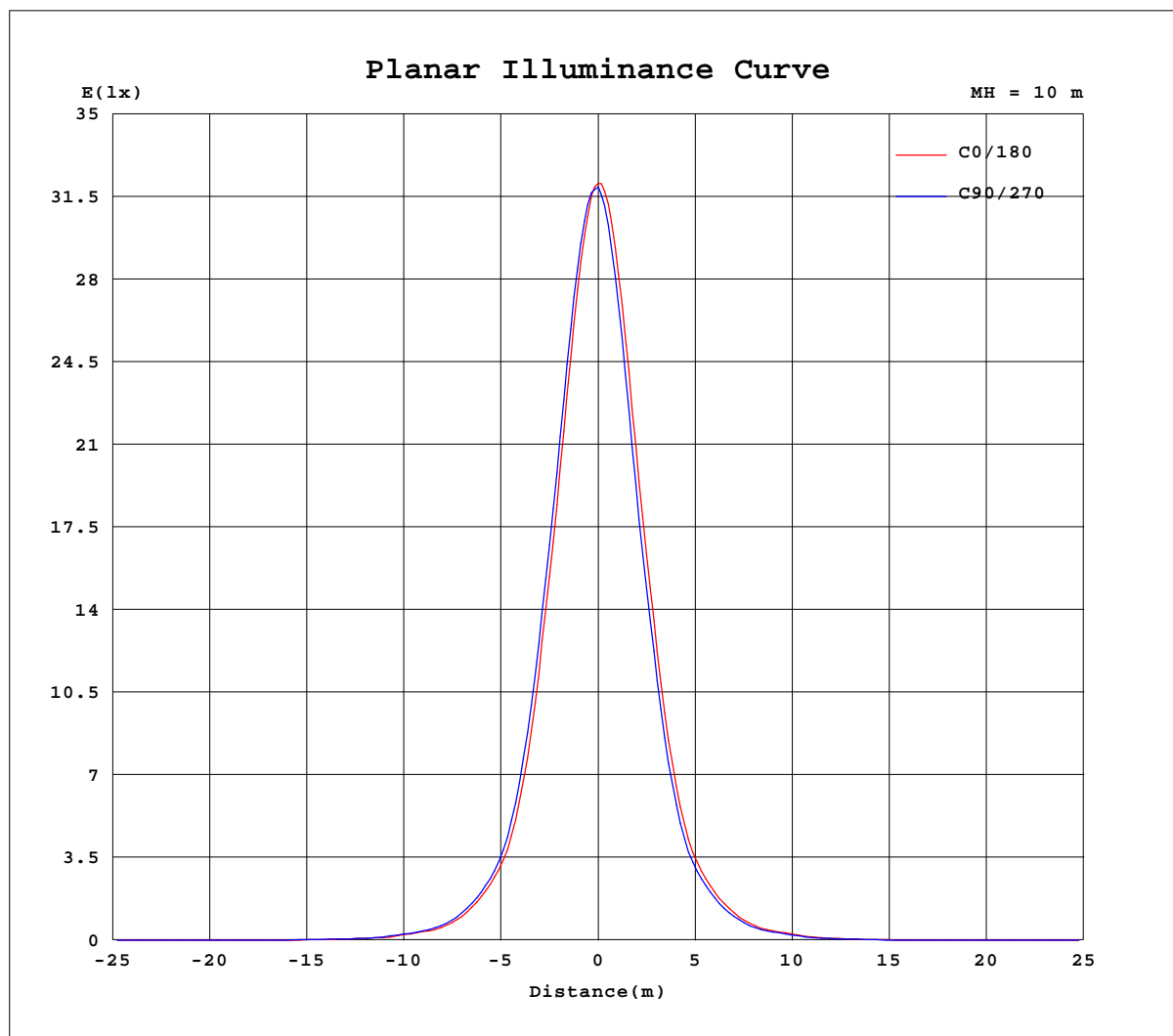
| | | |
|---|----------------|---------------------|
| Test:U:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-XPG3 | TYPE:PROJECTOR | WEIGHT: |
| SPEC.:/ | DIM.: | SERIAL No.:1 |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE:45 |



H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-05-10

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

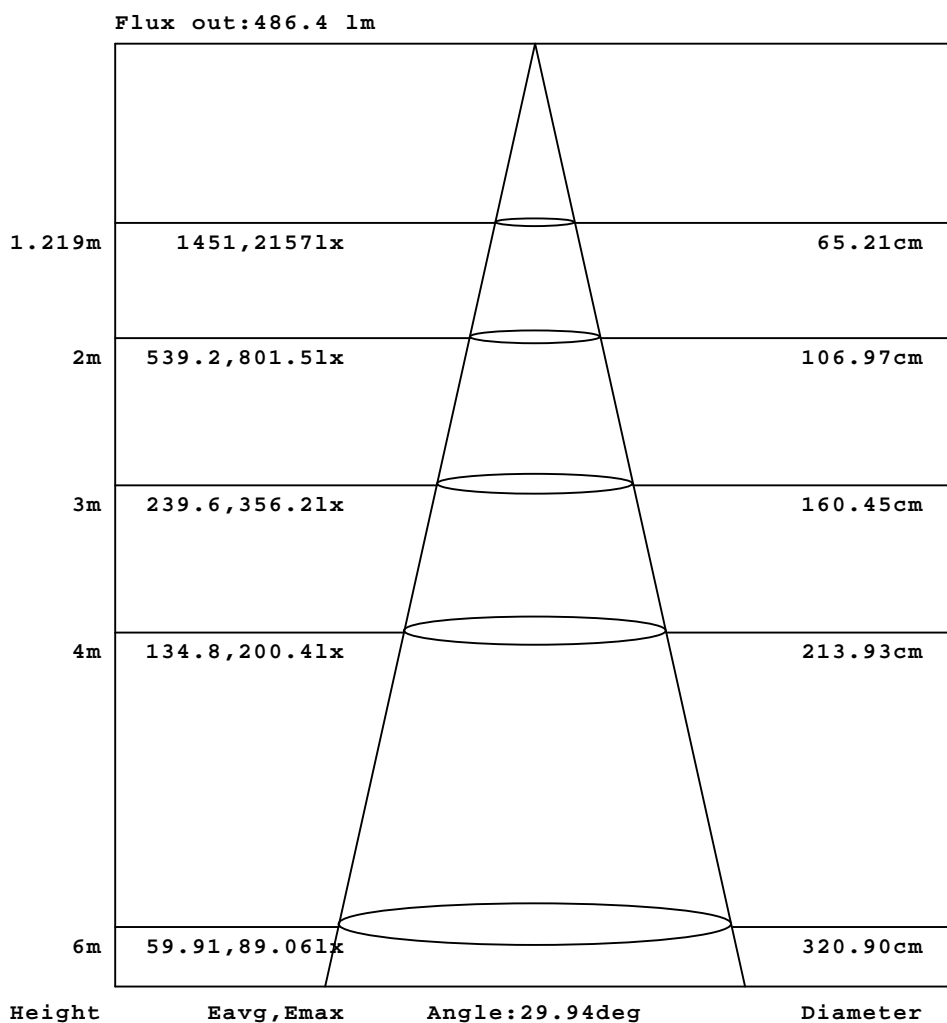


H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-05-10

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:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-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:45 |



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: 2018-05-10

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:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-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:45 |

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 | 1.47 | 1.28 | 1.08 | 0.87 | 0.87 | 0.96 | 1.22 | 1.74 | 2.55 | 3.69 | 5.06 | 6.50 | 7.83 | 8.90 | 9.68 | 10.1 | 10.3 | 10.4 | 10.4 |
| -170 | 1.47 | 1.33 | 1.18 | 1.04 | 1.08 | 1.22 | 1.53 | 2.08 | 2.94 | 4.10 | 5.45 | 6.87 | 8.15 | 9.14 | 9.74 | 10.1 | 10.2 | 10.3 | 10.4 |
| -160 | 1.47 | 1.38 | 1.28 | 1.22 | 1.28 | 1.45 | 1.76 | 2.28 | 3.07 | 4.10 | 5.34 | 6.45 | 7.47 | 8.35 | 8.99 | 9.48 | 9.82 | 10.0 | 10.1 |
| -150 | 1.47 | 1.44 | 1.39 | 1.38 | 1.47 | 1.66 | 1.94 | 2.36 | 2.97 | 3.57 | 4.31 | 5.12 | 5.96 | 6.77 | 7.49 | 8.06 | 8.46 | 8.69 | 8.77 |
| -140 | 1.47 | 1.50 | 1.51 | 1.55 | 1.64 | 1.84 | 2.10 | 2.33 | 2.52 | 2.82 | 3.23 | 3.72 | 4.29 | 4.84 | 5.36 | 5.80 | 6.13 | 6.33 | 6.40 |
| -130 | 1.47 | 1.54 | 1.62 | 1.72 | 1.84 | 2.02 | 2.19 | 2.22 | 2.24 | 2.33 | 2.48 | 2.68 | 2.95 | 3.22 | 3.49 | 3.72 | 3.88 | 3.98 | 4.01 |
| -120 | 1.47 | 1.58 | 1.71 | 1.86 | 2.03 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.22 | 2.24 | 2.30 | 2.37 | 2.47 | 2.51 | 2.54 | 2.56 | 2.55 |
| -110 | 1.47 | 1.62 | 1.79 | 1.97 | 2.18 | 2.33 | 2.33 | 2.31 | 2.30 | 2.29 | 2.27 | 2.24 | 2.23 | 2.23 | 2.23 | 2.24 | 2.25 | 2.25 | 2.25 |
| -100 | 1.47 | 1.65 | 1.84 | 2.04 | 2.26 | 2.39 | 2.39 | 2.40 | 2.42 | 2.43 | 2.42 | 2.40 | 2.38 | 2.36 | 2.35 | 2.36 | 2.38 | 2.40 | 2.42 |
| -90 | 1.47 | 1.68 | 1.88 | 2.09 | 2.30 | 2.40 | 2.41 | 2.42 | 2.42 | 2.43 | 2.43 | 2.42 | 2.42 | 2.42 | 2.42 | 2.43 | 2.45 | 2.46 | 2.47 |
| -80 | 1.47 | 1.71 | 1.93 | 2.14 | 2.34 | 2.47 | 2.53 | 2.59 | 2.66 | 2.73 | 2.76 | 2.80 | 2.84 | 2.87 | 2.91 | 2.96 | 3.00 | 3.03 | 3.05 |
| -70 | 1.47 | 1.73 | 1.98 | 2.23 | 2.52 | 2.77 | 2.94 | 3.13 | 3.35 | 3.57 | 3.77 | 3.97 | 4.15 | 4.31 | 4.44 | 4.54 | 4.62 | 4.67 | 4.69 |
| -60 | 1.47 | 1.75 | 2.03 | 2.38 | 2.75 | 3.17 | 3.55 | 3.96 | 4.37 | 4.76 | 5.10 | 5.39 | 5.71 | 6.28 | 7.88 | 9.32 | 9.86 | 10.0 | 10.1 |
| -50 | 1.47 | 1.77 | 2.11 | 2.53 | 3.03 | 3.65 | 4.28 | 4.81 | 5.31 | 6.17 | 9.65 | 13.6 | 19.1 | 25.3 | 29.9 | 34.3 | 37.8 | 39.2 | 38.6 |
| -40 | 1.47 | 1.77 | 2.18 | 2.68 | 3.32 | 4.08 | 4.82 | 5.61 | 9.53 | 15.7 | 25.7 | 39.4 | 49.3 | 64.1 | 80.5 | 100 | 114 | 120 | 120 |
| -30 | 1.47 | 1.78 | 2.22 | 2.80 | 3.55 | 4.35 | 5.18 | 9.92 | 19.4 | 31.5 | 51.2 | 72.2 | 104 | 154 | 208 | 262 | 312 | 347 | 359 |
| -20 | 1.47 | 1.77 | 2.24 | 2.88 | 3.68 | 4.48 | 6.65 | 14.6 | 29.5 | 51.7 | 74.6 | 130 | 210 | 297 | 425 | 610 | 823 | 1004 | 1063 |
| -10 | 1.47 | 1.76 | 2.23 | 2.89 | 3.70 | 4.46 | 9.08 | 20.8 | 37.8 | 66.0 | 112 | 190 | 304 | 484 | 797 | 1295 | 1805 | 2240 | 2399 |
| 0 | 1.47 | 1.73 | 2.19 | 2.84 | 3.60 | 4.31 | 8.92 | 22.4 | 38.3 | 77.8 | 118 | 214 | 355 | 573 | 1025 | 1655 | 2354 | 2970 | 3206 |
| 10 | 1.47 | 1.73 | 2.18 | 2.80 | 3.55 | 4.24 | 8.70 | 20.2 | 35.5 | 65.4 | 108 | 178 | 300 | 462 | 751 | 1205 | 1680 | 2056 | 2187 |
| 20 | 1.47 | 1.72 | 2.14 | 2.70 | 3.40 | 4.07 | 5.55 | 12.9 | 27.9 | 48.0 | 76.6 | 123 | 192 | 285 | 397 | 550 | 710 | 854 | 906 |
| 30 | 1.47 | 1.70 | 2.07 | 2.55 | 3.16 | 3.80 | 4.37 | 8.37 | 16.3 | 28.5 | 46.8 | 68.4 | 96.5 | 137 | 189 | 238 | 275 | 303 | 315 |
| 40 | 1.47 | 1.67 | 1.98 | 2.38 | 2.87 | 3.41 | 3.93 | 4.41 | 7.74 | 12.7 | 21.8 | 35.3 | 45.1 | 57.9 | 69.6 | 81.8 | 97.8 | 105 | 106 |
| 50 | 1.47 | 1.64 | 1.87 | 2.18 | 2.54 | 2.94 | 3.37 | 3.76 | 4.07 | 4.54 | 7.08 | 11.1 | 14.8 | 20.1 | 25.6 | 28.7 | 32.1 | 33.8 | 33.6 |
| 60 | 1.47 | 1.61 | 1.75 | 1.97 | 2.22 | 2.49 | 2.74 | 3.01 | 3.28 | 3.54 | 3.73 | 3.89 | 4.02 | 4.20 | 4.53 | 5.64 | 6.59 | 7.24 | 7.45 |
| 70 | 1.47 | 1.57 | 1.67 | 1.77 | 1.92 | 2.06 | 2.20 | 2.33 | 2.46 | 2.58 | 2.71 | 2.85 | 2.97 | 3.07 | 3.13 | 3.15 | 3.13 | 3.10 | 3.05 |
| 80 | 1.47 | 1.53 | 1.58 | 1.64 | 1.69 | 1.73 | 1.75 | 1.77 | 1.81 | 1.84 | 1.89 | 1.95 | 2.00 | 2.04 | 2.06 | 2.05 | 2.04 | 2.02 | 1.99 |
| 90 | 1.47 | 1.48 | 1.50 | 1.52 | 1.53 | 1.53 | 1.50 | 1.48 | 1.45 | 1.43 | 1.45 | 1.46 | 1.48 | 1.49 | 1.49 | 1.47 | 1.45 | 1.43 | 1.41 |
| 100 | 1.47 | 1.46 | 1.44 | 1.43 | 1.41 | 1.38 | 1.32 | 1.27 | 1.22 | 1.17 | 1.15 | 1.14 | 1.13 | 1.13 | 1.11 | 1.08 | 1.05 | 1.03 | 1.01 |
| 110 | 1.47 | 1.43 | 1.38 | 1.33 | 1.27 | 1.20 | 1.11 | 1.03 | 0.95 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 120 | 1.47 | 1.40 | 1.31 | 1.22 | 1.13 | 1.04 | 0.95 | 0.89 | 0.88 | 0.88 | 0.91 | 0.94 | 0.97 | 1.03 | 1.07 | 1.16 | 1.22 | 1.27 | 1.30 |
| 130 | 1.47 | 1.37 | 1.25 | 1.12 | 0.99 | 0.92 | 0.89 | 0.87 | 0.92 | 1.04 | 1.22 | 1.43 | 1.65 | 1.90 | 2.14 | 2.36 | 2.56 | 2.69 | 2.76 |
| 140 | 1.47 | 1.36 | 1.19 | 1.03 | 0.91 | 0.88 | 0.87 | 0.93 | 1.16 | 1.49 | 1.92 | 2.44 | 3.01 | 3.58 | 4.13 | 4.59 | 4.99 | 5.23 | 5.32 |
| 150 | 1.47 | 1.33 | 1.14 | 0.96 | 0.88 | 0.88 | 0.93 | 1.16 | 1.56 | 2.16 | 2.93 | 3.84 | 4.80 | 5.71 | 6.52 | 7.16 | 7.61 | 7.90 | 8.02 |
| 160 | 1.47 | 1.31 | 1.11 | 0.93 | 0.87 | 0.89 | 1.06 | 1.43 | 2.04 | 2.90 | 3.99 | 5.20 | 6.43 | 7.52 | 8.39 | 9.00 | 9.37 | 9.60 | 9.69 |
| 170 | 1.47 | 1.29 | 1.09 | 0.89 | 0.87 | 0.93 | 1.18 | 1.65 | 2.41 | 3.48 | 4.78 | 6.18 | 7.49 | 8.55 | 9.34 | 9.87 | 10.2 | 10.2 | 10.3 |
| 180 | 1.47 | 1.28 | 1.08 | 0.87 | 0.87 | 0.96 | 1.22 | 1.74 | 2.55 | 3.69 | 5.06 | 6.50 | 7.83 | 8.90 | 9.68 | 10.1 | 10.3 | 10.4 | 10.5 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-05-10

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:220.7V I:0.1940A P:19.50W PF:0.4555 Lamp Flux:1191.99x1 lm | | | | | | | | | | | | | | | | | |
| NAME: L0238-T55-20W-20-3000K-SL30D-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:45 | | |

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 | 10.5 | 10.4 | 10.4 | 10.2 | 9.77 | 9.06 | 8.04 | 6.80 | 5.48 | 4.30 | 3.35 | 2.70 | 2.36 | 2.30 | 2.34 | 2.48 | 2.53 | 2.53 |
| -170 | 10.5 | 10.4 | 10.3 | 10.1 | 9.55 | 8.77 | 7.73 | 6.50 | 5.25 | 4.14 | 3.25 | 2.66 | 2.36 | 2.30 | 2.34 | 2.48 | 2.53 | 2.53 |
| -160 | 10.1 | 9.96 | 9.70 | 9.26 | 8.67 | 7.83 | 6.81 | 5.70 | 4.64 | 3.73 | 3.02 | 2.56 | 2.33 | 2.30 | 2.34 | 2.49 | 2.53 | 2.53 |
| -150 | 8.75 | 8.59 | 8.25 | 7.72 | 7.05 | 6.26 | 5.41 | 4.58 | 3.82 | 3.18 | 2.72 | 2.44 | 2.31 | 2.30 | 2.36 | 2.50 | 2.53 | 2.53 |
| -140 | 6.39 | 6.24 | 5.95 | 5.54 | 5.03 | 4.50 | 3.95 | 3.43 | 3.00 | 2.67 | 2.47 | 2.34 | 2.30 | 2.31 | 2.40 | 2.51 | 2.53 | 2.53 |
| -130 | 4.02 | 3.95 | 3.81 | 3.60 | 3.35 | 3.08 | 2.83 | 2.61 | 2.46 | 2.36 | 2.32 | 2.30 | 2.30 | 2.34 | 2.45 | 2.51 | 2.53 | 2.53 |
| -120 | 2.57 | 2.57 | 2.56 | 2.53 | 2.45 | 2.39 | 2.31 | 2.29 | 2.30 | 2.30 | 2.30 | 2.31 | 2.34 | 2.42 | 2.49 | 2.52 | 2.53 | 2.53 |
| -110 | 2.26 | 2.26 | 2.27 | 2.27 | 2.27 | 2.28 | 2.30 | 2.32 | 2.36 | 2.37 | 2.40 | 2.42 | 2.44 | 2.49 | 2.51 | 2.52 | 2.53 | 2.53 |
| -100 | 2.40 | 2.40 | 2.39 | 2.38 | 2.40 | 2.43 | 2.46 | 2.48 | 2.51 | 2.50 | 2.50 | 2.51 | 2.50 | 2.50 | 2.51 | 2.52 | 2.53 | 2.53 |
| -90 | 2.47 | 2.46 | 2.46 | 2.46 | 2.46 | 2.47 | 2.48 | 2.50 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.52 | 2.52 | 2.53 | 2.53 |
| -80 | 3.04 | 3.01 | 2.97 | 2.93 | 2.90 | 2.86 | 2.83 | 2.80 | 2.77 | 2.70 | 2.63 | 2.58 | 2.52 | 2.52 | 2.53 | 2.54 | 2.54 | 2.53 |
| -70 | 4.63 | 4.55 | 4.45 | 4.33 | 4.20 | 4.06 | 3.89 | 3.72 | 3.53 | 3.33 | 3.13 | 2.95 | 2.79 | 2.67 | 2.60 | 2.56 | 2.55 | 2.53 |
| -60 | 9.95 | 9.63 | 8.85 | 7.61 | 5.90 | 5.40 | 5.11 | 4.85 | 4.57 | 4.23 | 3.87 | 3.51 | 3.19 | 2.93 | 2.73 | 2.61 | 2.56 | 2.53 |
| -50 | 39.4 | 38.1 | 34.2 | 28.8 | 23.4 | 17.3 | 12.4 | 8.40 | 5.67 | 5.03 | 4.60 | 4.15 | 3.67 | 3.25 | 2.92 | 2.68 | 2.58 | 2.53 |
| -40 | 119 | 111 | 95.7 | 75.5 | 60.8 | 46.9 | 36.4 | 23.4 | 13.4 | 8.32 | 5.24 | 4.68 | 4.14 | 3.58 | 3.11 | 2.76 | 2.59 | 2.53 |
| -30 | 341 | 301 | 254 | 203 | 146 | 95.7 | 67.7 | 47.1 | 28.6 | 16.5 | 8.57 | 5.10 | 4.50 | 3.87 | 3.28 | 2.85 | 2.61 | 2.53 |
| -20 | 985 | 798 | 583 | 403 | 284 | 191 | 120 | 72.0 | 46.8 | 26.5 | 12.0 | 5.97 | 4.74 | 4.09 | 3.42 | 2.92 | 2.63 | 2.53 |
| -10 | 2206 | 1760 | 1236 | 750 | 448 | 285 | 167 | 101 | 59.5 | 33.6 | 18.7 | 8.10 | 4.86 | 4.20 | 3.52 | 2.96 | 2.64 | 2.53 |
| 0 | 2907 | 2260 | 1556 | 936 | 519 | 326 | 187 | 106 | 68.3 | 35.3 | 20.5 | 8.77 | 4.89 | 4.23 | 3.55 | 2.98 | 2.65 | 2.53 |
| 10 | 2006 | 1615 | 1130 | 688 | 421 | 270 | 159 | 95.9 | 58.1 | 32.3 | 17.6 | 7.51 | 4.57 | 4.01 | 3.40 | 2.89 | 2.61 | 2.53 |
| 20 | 836 | 682 | 515 | 364 | 261 | 174 | 108 | 64.9 | 43.8 | 24.7 | 10.8 | 4.98 | 4.18 | 3.72 | 3.19 | 2.78 | 2.56 | 2.53 |
| 30 | 300 | 266 | 224 | 174 | 126 | 85.7 | 59.7 | 42.7 | 25.1 | 13.3 | 6.59 | 4.05 | 3.75 | 3.36 | 2.96 | 2.66 | 2.52 | 2.53 |
| 40 | 103 | 95.0 | 80.3 | 64.9 | 52.8 | 40.6 | 31.4 | 18.5 | 10.9 | 5.90 | 3.72 | 3.47 | 3.27 | 2.99 | 2.72 | 2.52 | 2.47 | 2.53 |
| 50 | 32.6 | 30.0 | 26.1 | 22.8 | 18.5 | 12.8 | 9.31 | 5.73 | 3.76 | 3.45 | 3.22 | 2.95 | 2.76 | 2.60 | 2.47 | 2.40 | 2.42 | 2.53 |
| 60 | 7.05 | 6.16 | 4.93 | 4.02 | 3.67 | 3.47 | 3.32 | 3.14 | 3.01 | 2.85 | 2.67 | 2.47 | 2.29 | 2.25 | 2.25 | 2.28 | 2.38 | 2.53 |
| 70 | 3.02 | 2.98 | 2.92 | 2.85 | 2.77 | 2.66 | 2.56 | 2.44 | 2.32 | 2.23 | 2.13 | 2.02 | 1.93 | 1.96 | 2.06 | 2.19 | 2.35 | 2.53 |
| 80 | 2.00 | 2.00 | 1.99 | 1.98 | 1.95 | 1.90 | 1.85 | 1.79 | 1.74 | 1.72 | 1.70 | 1.67 | 1.66 | 1.74 | 1.92 | 2.11 | 2.32 | 2.53 |
| 90 | 1.43 | 1.45 | 1.46 | 1.48 | 1.48 | 1.46 | 1.44 | 1.41 | 1.39 | 1.41 | 1.43 | 1.45 | 1.47 | 1.60 | 1.83 | 2.07 | 2.30 | 2.53 |
| 100 | 1.02 | 1.05 | 1.07 | 1.10 | 1.11 | 1.11 | 1.11 | 1.12 | 1.13 | 1.19 | 1.25 | 1.31 | 1.35 | 1.54 | 1.80 | 2.06 | 2.30 | 2.53 |
| 110 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.86 | 0.86 | 0.87 | 0.91 | 0.99 | 1.08 | 1.18 | 1.47 | 1.78 | 2.06 | 2.30 | 2.53 |
| 120 | 1.27 | 1.23 | 1.16 | 1.07 | 1.03 | 0.98 | 0.94 | 0.90 | 0.87 | 0.86 | 0.87 | 0.91 | 1.02 | 1.41 | 1.78 | 2.07 | 2.32 | 2.53 |
| 130 | 2.71 | 2.58 | 2.39 | 2.16 | 1.93 | 1.69 | 1.46 | 1.23 | 1.05 | 0.92 | 0.86 | 0.86 | 1.07 | 1.41 | 1.78 | 2.10 | 2.34 | 2.53 |
| 140 | 5.24 | 5.01 | 4.65 | 4.18 | 3.64 | 3.07 | 2.50 | 1.97 | 1.52 | 1.18 | 0.95 | 0.99 | 1.23 | 1.50 | 1.81 | 2.16 | 2.37 | 2.53 |
| 150 | 7.90 | 7.62 | 7.17 | 6.55 | 5.77 | 4.87 | 3.92 | 3.01 | 2.23 | 1.62 | 1.40 | 1.35 | 1.46 | 1.65 | 1.90 | 2.22 | 2.40 | 2.53 |
| 160 | 9.57 | 9.33 | 8.96 | 8.35 | 7.53 | 6.48 | 5.30 | 4.11 | 3.26 | 2.58 | 2.08 | 1.79 | 1.72 | 1.85 | 2.02 | 2.29 | 2.44 | 2.53 |
| 170 | 10.1 | 9.99 | 9.71 | 9.25 | 8.61 | 7.84 | 6.82 | 5.67 | 4.53 | 3.54 | 2.77 | 2.27 | 2.05 | 2.07 | 2.17 | 2.38 | 2.49 | 2.53 |
| 180 | 10.5 | 10.4 | 10.4 | 10.2 | 9.77 | 9.06 | 8.04 | 6.80 | 5.48 | 4.30 | 3.35 | 2.70 | 2.36 | 2.30 | 2.34 | 2.48 | 2.53 | 2.53 |

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-05-10

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: