

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|   |   |  |
|---|---|--|
| Maximum Intensity<br>(Luminaire orientation as tested.) |   | 20790.1 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal                            |
| Beam Spread   | At 10% of I <sub>max</sub><br>At 50% of I <sub>max</sub><br>At 90% of I <sub>max</sub>          | 19.9V x 19.9H<br>10.5V x 10.1H<br>4.3V x 4.3H  |
| Beam Flux   | Total<br>To 10% of I <sub>max</sub><br>To 50% of I <sub>max</sub><br>To 90% of I <sub>max</sub> | 1001.5 lumens per klm.<br>724.6 lumens per klm.<br>390.7 lumens per klm.<br>91.2 lumens per klm. |
|   | Upward LOR<br>Downward LOR  | 0.0 %<br>100.1 %   |
| Luminaire Efficiency(Light Output Ratio)                |   | 100.0 %  |

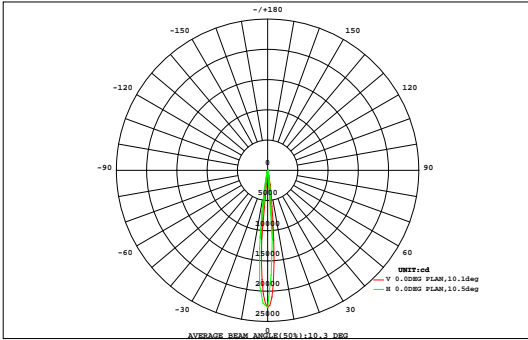
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:qcl  
Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks:

# LUMINAIRE PHOTOMETRIC TEST REPORT

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |



| DATA OF LAMP     |                | Eff:24.26lm/W   |          |
|------------------|----------------|-----------------|----------|
| MODEL LWW        | 6-36P-120V-15° | Imax(cd)        | 22654    |
| NOMINAL POWER(W) | 46             | AVAILABILITY(%) | 73.1     |
| RATED VOLTAGE(V) | 120            | Avai. FLUX(lm)  | 796.6    |
| NOMINAL FLUX(lm) | 1089.67        | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1              | TOTAL FLUX(lm)  | 1090     |
| TEST VOLTAGE(V)  | 120.4          | θ @50%(H,V)     | 10,10DEG |

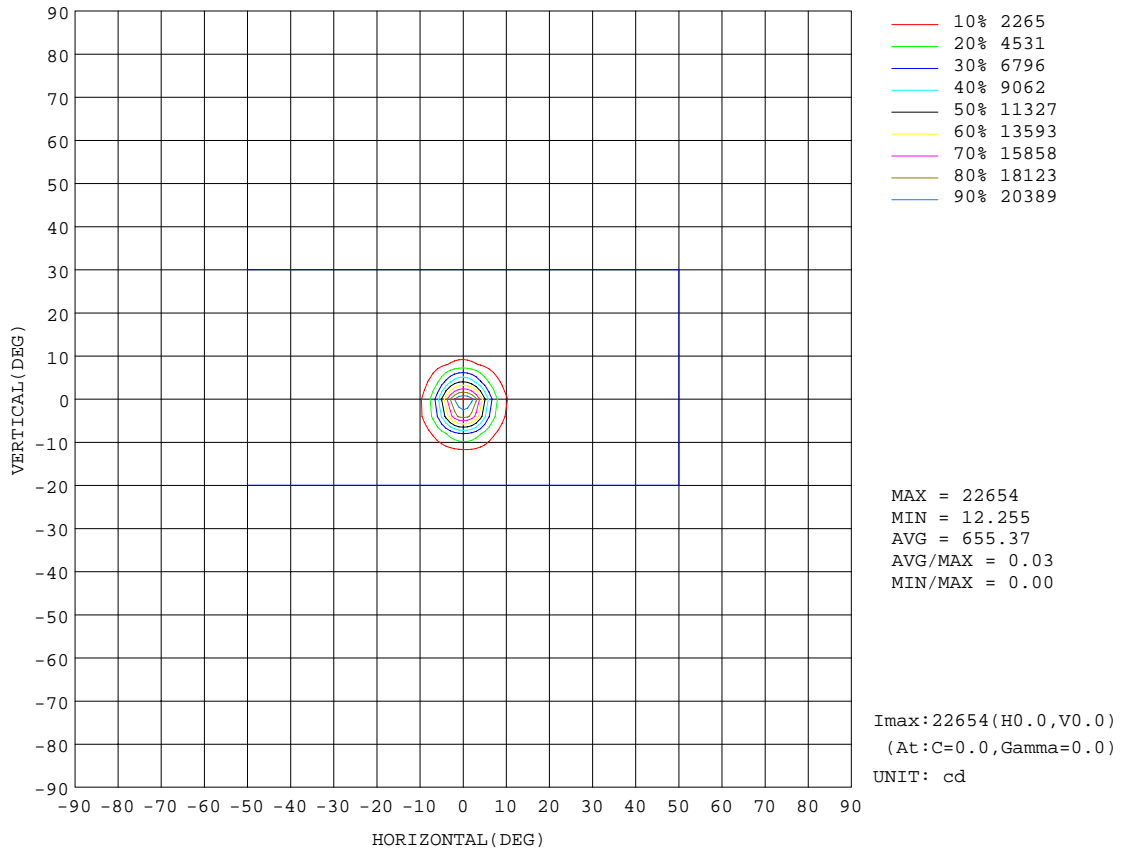
| VERTICAL( DEG ) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                   |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |      |
|-----------------|-------------------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|---------|------|------|------|------|
|                 | 90                | 80   | 70   | 60   | 50   | 40   | 30   | 20   | 10                | 0    | 10   | 20   | 30   | 40   | 50   | 60   | 70      | 80   | 90   |      |      |
| 90              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| 80              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| 70              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| 60              | 0.00              | 0.01 | 0.02 | 0.06 | 0.13 | 0.21 | 0.33 | 0.41 | 0.45              | 0.45 | 0.38 | 0.29 | 0.20 | 0.12 | 0.06 | 0.02 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| 50              | 0.00              | 0.01 | 0.03 | 0.10 | 0.21 | 0.37 | 0.55 | 0.65 | 0.70              | 0.69 | 0.61 | 0.49 | 0.33 | 0.20 | 0.10 | 0.03 | 0.01    | 0.00 | 0.00 | 5.06 | 0.00 |
| 40              | 0.00              | 0.01 | 0.05 | 0.14 | 0.31 | 0.54 | 0.76 | 0.98 | 1.18              | 1.17 | 0.97 | 0.73 | 0.53 | 0.31 | 0.14 | 0.05 | 0.01    | 0.00 | 0.00 | 7.89 | 0.00 |
| 30              | 0.00              | 0.01 | 0.07 | 0.20 | 0.44 | 0.68 | 1.11 | 1.89 | 2.73              | 2.71 | 1.86 | 1.06 | 0.67 | 0.42 | 0.19 | 0.06 | 0.01    | 0.00 | 0.00 | 14.1 | 0.00 |
| 20              | 0.00              | 0.01 | 0.08 | 0.24 | 0.50 | 0.83 | 1.93 | 4.81 | 11.7              | 11.3 | 4.70 | 1.90 | 0.84 | 0.52 | 0.23 | 0.08 | 0.01    | 0.00 | 0.00 | 39.7 | 0.00 |
| 10              | 0.00              | 0.02 | 0.09 | 0.28 | 0.54 | 1.03 | 2.93 | 15.5 | 179               | 140  | 13.0 | 2.63 | 0.98 | 0.54 | 0.25 | 0.08 | 0.01    | 0.00 | 0.00 | 357  | 286  |
| 0               | 0.00              | 0.01 | 0.09 | 0.27 | 0.54 | 1.04 | 2.98 | 18.7 | 273               | 248  | 17.5 | 2.88 | 1.03 | 0.55 | 0.26 | 0.08 | 0.01    | 0.00 | 0.00 | 566  | 507  |
| -10             | 0.00              | 0.01 | 0.09 | 0.26 | 0.53 | 0.92 | 2.38 | 6.90 | 20.4              | 18.5 | 5.94 | 2.10 | 0.87 | 0.51 | 0.23 | 0.07 | 0.01    | 0.00 | 0.00 | 59.8 | 3.64 |
| -20             | 0.00              | 0.01 | 0.07 | 0.21 | 0.47 | 0.72 | 1.29 | 2.38 | 3.84              | 3.68 | 2.31 | 1.27 | 0.72 | 0.45 | 0.20 | 0.06 | 0.01    | 0.00 | 0.00 | 17.7 | 0.00 |
| -30             | 0.00              | 0.01 | 0.06 | 0.16 | 0.36 | 0.60 | 0.84 | 1.19 | 1.47              | 1.42 | 1.14 | 0.82 | 0.57 | 0.32 | 0.14 | 0.05 | 0.01    | 0.00 | 0.00 | 9.15 | 0.00 |
| -40             | 0.00              | 0.01 | 0.04 | 0.11 | 0.23 | 0.41 | 0.57 | 0.70 | 0.78              | 0.80 | 0.71 | 0.59 | 0.40 | 0.22 | 0.10 | 0.03 | 0.01    | 0.00 | 0.00 | 5.70 | 0.00 |
| -50             | 0.00              | 0.01 | 0.02 | 0.07 | 0.14 | 0.22 | 0.33 | 0.44 | 0.51              | 0.51 | 0.44 | 0.34 | 0.22 | 0.13 | 0.06 | 0.02 | 0.00    | 0.00 | 0.00 | 3.44 | 0.00 |
| -60             | 0.00              | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06              | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00    | 0.00 | 0.00 | 0.40 | 0.00 |
| -70             | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| -80             | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
| -90             | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL( DEG ) | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90      |      |      |      |      |
| Φ t             | 0.01              | 0.12 | 0.71 | 2.13 | 4.41 | 7.60 | 16.0 | 54.6 | 496               | 429  | 49.6 | 15.1 | 7.38 | 4.30 | 1.97 | 0.62 | 0.10    | 0.01 | 1090 | ---  |      |
| Φ a             | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 430               | 363  | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 797  |      |

one-half-peak spread: U:6.5,D:4.1 , L:5.1,R:5.1 NEMA Beam Type: Type 2

|   |  |
|---|--|
| H(β) Range:-90 - 90DEG<br>H(β) Interval: 1.0DEG<br>Test Speed: HIGH<br>Temperature:25.3DEG<br>Operators:qcl<br>Test Date:2013-05-17 | V(B) Range:-60 - 60DEG<br>V(B) Interval: 2.0DEG<br>Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275<br>Humidity:65.0%<br>Test Distance:8.100m [K=1.0000]<br>Remarks: |
|---|--|

# ISOCANDELA DIAGRAM

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |

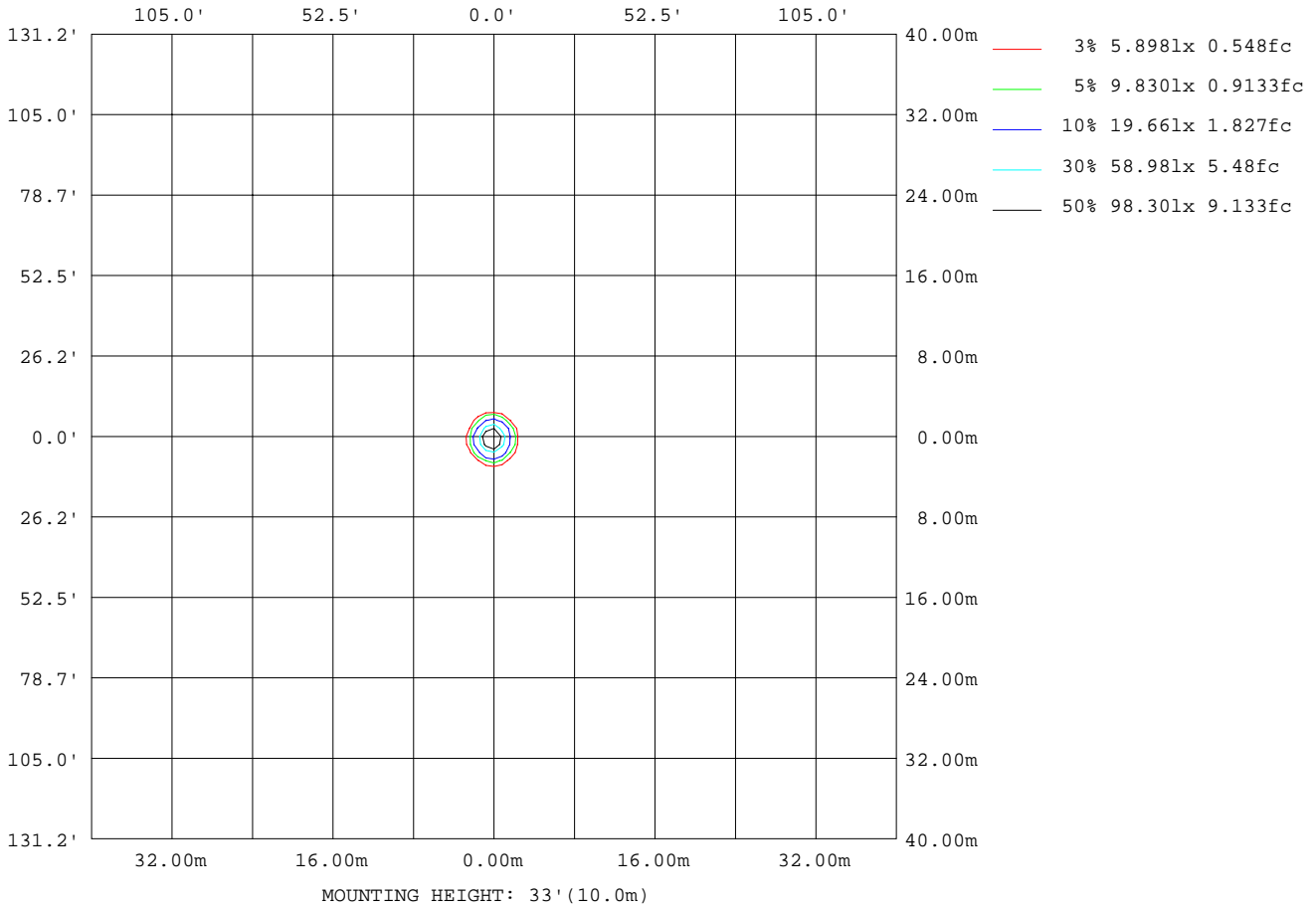


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:qcl  
 Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
 V(B) Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:8.100m [K=1.0000]  
 Remarks:

# ISOLUX DIAGRAM

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |

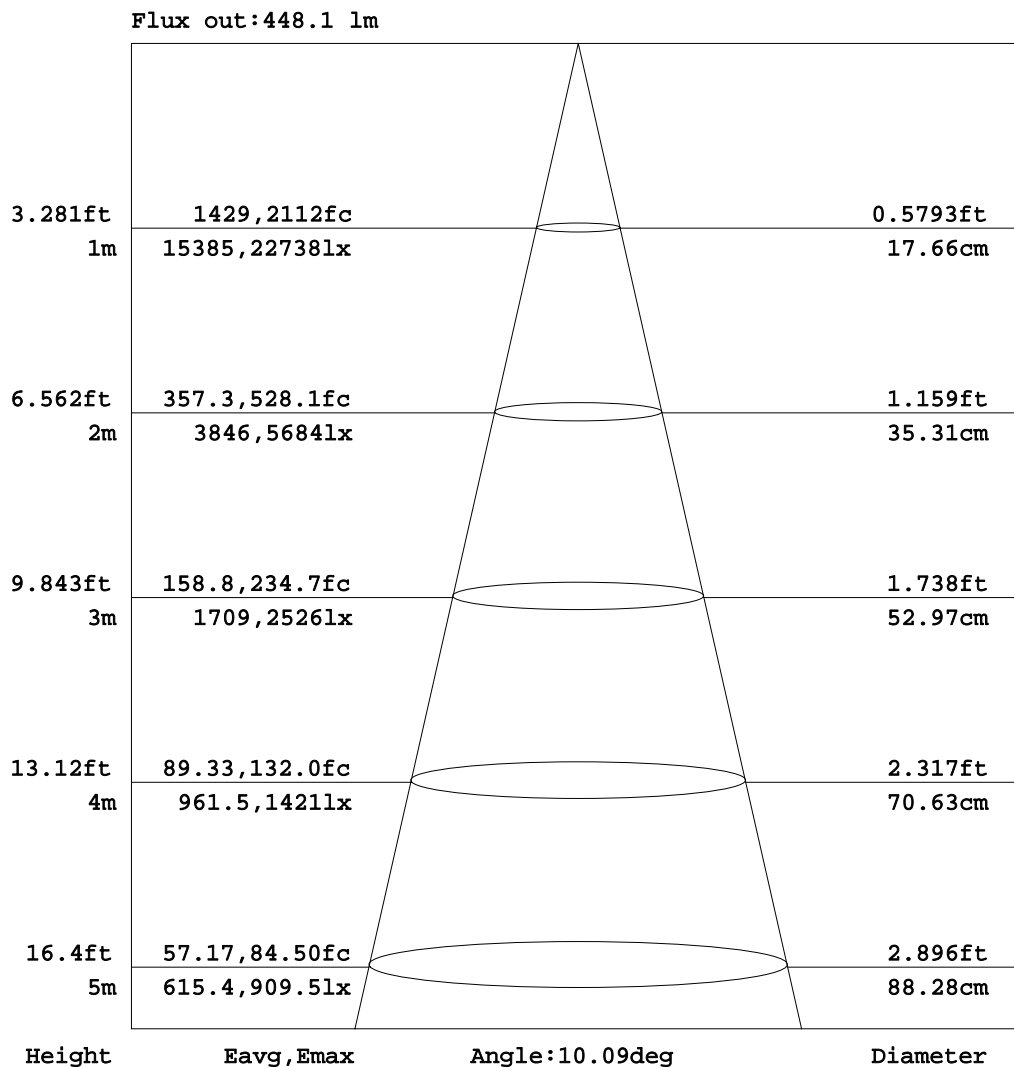


**H( $\beta$ ) Range:** -90 - 90DEG  
**H( $\beta$ ) Interval:** 1.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** qcl  
**Test Date:** 2013-05-17

**V(B) Range:** -60 - 60DEG  
**V(B) Interval:** 2.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
**Humidity:** 65.0%  
**Test Distance:** 8.100m [K=1.0000]  
**Remarks:**

## AAI Figure

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |

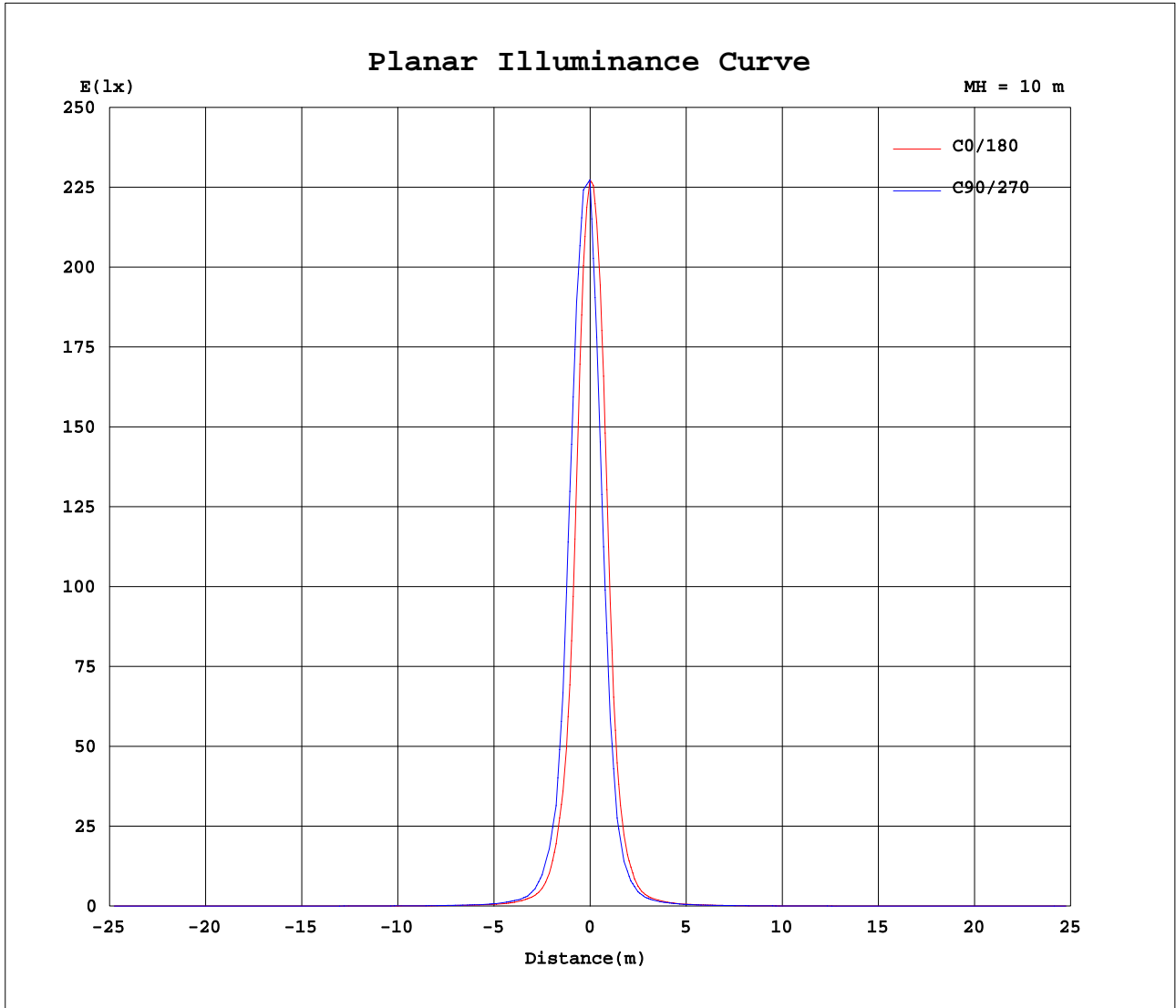


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:qcl  
Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks:

# Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:qcl  
Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |

Table--1

UNIT: ×10cd

| H(DEG)<br>V(DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -85              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -75              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -70              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -65              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -60              | 0.00 | 0.00 | 0.01 | 0.04 | 0.07 | 0.10 | 0.14 | 0.22 | 0.38 | 0.45 | 0.53 | 0.60 | 0.68 | 0.77 | 0.85 | 0.94 | 1.04 | 1.08 | 1.06 |
| -55              | 0.00 | 0.00 | 0.02 | 0.05 | 0.09 | 0.13 | 0.22 | 0.34 | 0.49 | 0.60 | 0.69 | 0.82 | 0.96 | 1.09 | 1.22 | 1.37 | 1.50 | 1.56 | 1.56 |
| -50              | 0.00 | 0.00 | 0.04 | 0.07 | 0.12 | 0.18 | 0.37 | 0.54 | 0.69 | 0.82 | 0.96 | 1.21 | 1.42 | 1.60 | 1.82 | 2.04 | 2.21 | 2.29 | 2.31 |
| -45              | 0.00 | 0.00 | 0.04 | 0.08 | 0.14 | 0.27 | 0.45 | 0.64 | 0.82 | 1.04 | 1.28 | 1.59 | 1.83 | 2.00 | 2.17 | 2.35 | 2.50 | 2.59 | 2.63 |
| -40              | 0.00 | 0.00 | 0.04 | 0.08 | 0.14 | 0.34 | 0.54 | 0.75 | 0.97 | 1.30 | 1.67 | 2.08 | 2.40 | 2.57 | 2.68 | 2.78 | 2.91 | 3.04 | 3.10 |
| -35              | 0.00 | 0.00 | 0.04 | 0.09 | 0.17 | 0.40 | 0.61 | 0.84 | 1.16 | 1.54 | 1.95 | 2.30 | 2.58 | 2.89 | 3.30 | 3.78 | 4.17 | 4.60 | 4.68 |
| -30              | 0.00 | 0.01 | 0.06 | 0.12 | 0.26 | 0.53 | 0.76 | 1.07 | 1.53 | 2.00 | 2.45 | 2.66 | 2.92 | 3.51 | 4.44 | 5.46 | 6.20 | 7.13 | 6.95 |
| -25              | 0.00 | 0.01 | 0.06 | 0.13 | 0.31 | 0.57 | 0.81 | 1.21 | 1.71 | 2.22 | 2.58 | 2.82 | 3.42 | 4.46 | 5.94 | 7.64 | 9.17 | 11.3 | 11.1 |
| -20              | 0.00 | 0.01 | 0.06 | 0.12 | 0.30 | 0.57 | 0.83 | 1.27 | 1.82 | 2.36 | 2.65 | 3.04 | 4.05 | 6.02 | 8.51 | 11.6 | 17.2 | 23.0 | 25.8 |
| -15              | 0.00 | 0.01 | 0.06 | 0.13 | 0.33 | 0.59 | 0.87 | 1.36 | 1.94 | 2.46 | 2.68 | 3.33 | 4.73 | 7.47 | 12.0 | 17.8 | 29.1 | 45.7 | 60.6 |
| -10              | 0.00 | 0.03 | 0.07 | 0.15 | 0.42 | 0.68 | 1.01 | 1.58 | 2.18 | 2.52 | 2.88 | 3.99 | 6.04 | 9.75 | 18.0 | 36.2 | 97.8 | 237  | 327  |
| -5               | 0.00 | 0.03 | 0.07 | 0.16 | 0.43 | 0.70 | 1.04 | 1.63 | 2.21 | 2.51 | 2.93 | 4.20 | 6.43 | 10.5 | 21.6 | 52.5 | 209  | 801  | 1289 |
| 0                | 0.00 | 0.02 | 0.07 | 0.14 | 0.37 | 0.64 | 0.96 | 1.50 | 2.10 | 2.47 | 2.80 | 3.91 | 5.98 | 9.70 | 19.6 | 46.7 | 201  | 1141 | 2265 |
| 5                | 0.00 | 0.02 | 0.06 | 0.13 | 0.37 | 0.64 | 0.96 | 1.49 | 2.07 | 2.46 | 2.77 | 3.81 | 5.80 | 9.29 | 17.9 | 38.1 | 136  | 570  | 1137 |
| 10               | 0.00 | 0.03 | 0.07 | 0.15 | 0.41 | 0.68 | 1.00 | 1.53 | 2.10 | 2.46 | 2.79 | 3.73 | 5.60 | 8.82 | 15.2 | 26.7 | 56.4 | 119  | 144  |
| 15               | 0.00 | 0.03 | 0.07 | 0.14 | 0.40 | 0.66 | 0.97 | 1.47 | 2.01 | 2.40 | 2.69 | 3.42 | 4.91 | 7.63 | 11.6 | 18.3 | 28.9 | 43.3 | 48.5 |
| 20               | 0.00 | 0.02 | 0.06 | 0.12 | 0.28 | 0.55 | 0.83 | 1.19 | 1.74 | 2.22 | 2.50 | 2.82 | 3.57 | 4.96 | 6.80 | 9.06 | 11.8 | 14.9 | 16.6 |
| 25               | 0.00 | 0.01 | 0.05 | 0.11 | 0.25 | 0.52 | 0.79 | 1.08 | 1.58 | 2.04 | 2.41 | 2.65 | 3.11 | 3.99 | 5.22 | 6.63 | 8.13 | 9.59 | 10.3 |
| 30               | 0.00 | 0.02 | 0.06 | 0.12 | 0.23 | 0.49 | 0.72 | 0.97 | 1.36 | 1.77 | 2.25 | 2.53 | 2.68 | 3.02 | 3.55 | 4.22 | 4.90 | 5.30 | 5.38 |
| 35               | 0.00 | 0.02 | 0.06 | 0.11 | 0.20 | 0.43 | 0.65 | 0.87 | 1.18 | 1.54 | 1.97 | 2.29 | 2.53 | 2.82 | 3.16 | 3.57 | 3.99 | 4.25 | 4.30 |
| 40               | 0.00 | 0.01 | 0.04 | 0.08 | 0.14 | 0.29 | 0.50 | 0.68 | 0.86 | 1.14 | 1.47 | 1.84 | 2.22 | 2.50 | 2.57 | 2.59 | 2.61 | 2.67 | 2.68 |
| 45               | 0.00 | 0.01 | 0.04 | 0.08 | 0.13 | 0.23 | 0.41 | 0.59 | 0.75 | 0.98 | 1.23 | 1.52 | 1.84 | 2.10 | 2.21 | 2.28 | 2.33 | 2.38 | 2.38 |
| 50               | 0.00 | 0.01 | 0.04 | 0.07 | 0.11 | 0.17 | 0.31 | 0.48 | 0.62 | 0.76 | 0.91 | 1.08 | 1.30 | 1.53 | 1.70 | 1.83 | 1.92 | 1.95 | 1.94 |
| 55               | 0.00 | 0.01 | 0.04 | 0.07 | 0.10 | 0.14 | 0.24 | 0.37 | 0.49 | 0.62 | 0.74 | 0.87 | 1.05 | 1.23 | 1.35 | 1.44 | 1.51 | 1.54 | 1.53 |
| 60               | 0.00 | 0.00 | 0.03 | 0.05 | 0.07 | 0.10 | 0.14 | 0.19 | 0.29 | 0.39 | 0.46 | 0.54 | 0.64 | 0.76 | 0.82 | 0.86 | 0.89 | 0.91 | 0.93 |
| 65               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:qcl  
Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |        |                     |
|---|--------|---------------------|
| Test:U:120.3V I:0.5709A P:44.92W PF:0.6543 Lamp Flux:1089.67x1 lm |        |                     |
| NAME: LED Wall Washer 6 SERIES                                    | TYPE:  | WEIGHT:             |
| DIM.:   | SPEC.: | SERIAL No.:20130517 |
| MFR.: TPK   | SUR.:  | PROTECTION ANGLE:   |

Table--2

UNIT: ×10cd

| H( DEG)<br>V( DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -85                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -75                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -65                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -60                | 1.07 | 1.04 | 0.98 | 0.90 | 0.83 | 0.74 | 0.61 | 0.50 | 0.42 | 0.32 | 0.19 | 0.15 | 0.09 | 0.06 | 0.04 | 0.01 | 0.00 | 0.00 |
| -55                | 1.56 | 1.51 | 1.40 | 1.28 | 1.16 | 1.02 | 0.84 | 0.68 | 0.56 | 0.44 | 0.30 | 0.21 | 0.11 | 0.08 | 0.05 | 0.02 | 0.00 | 0.00 |
| -50                | 2.29 | 2.17 | 1.99 | 1.82 | 1.63 | 1.40 | 1.14 | 0.92 | 0.76 | 0.59 | 0.45 | 0.26 | 0.14 | 0.08 | 0.05 | 0.02 | 0.00 | 0.00 |
| -45                | 2.61 | 2.50 | 2.33 | 2.20 | 2.02 | 1.78 | 1.46 | 1.18 | 0.93 | 0.71 | 0.53 | 0.34 | 0.17 | 0.10 | 0.06 | 0.03 | 0.00 | 0.00 |
| -40                | 3.11 | 3.01 | 2.86 | 2.77 | 2.64 | 2.40 | 2.01 | 1.64 | 1.25 | 0.93 | 0.71 | 0.51 | 0.28 | 0.14 | 0.08 | 0.04 | 0.00 | 0.00 |
| -35                | 4.52 | 4.20 | 3.77 | 3.34 | 2.95 | 2.61 | 2.27 | 1.93 | 1.48 | 1.11 | 0.81 | 0.58 | 0.35 | 0.16 | 0.09 | 0.04 | 0.00 | 0.00 |
| -30                | 6.53 | 5.82 | 4.93 | 4.02 | 3.30 | 2.87 | 2.60 | 2.25 | 1.74 | 1.29 | 0.89 | 0.64 | 0.41 | 0.16 | 0.08 | 0.04 | 0.00 | 0.00 |
| -25                | 9.89 | 8.34 | 6.70 | 5.27 | 4.04 | 3.19 | 2.76 | 2.44 | 1.96 | 1.48 | 0.98 | 0.70 | 0.45 | 0.18 | 0.09 | 0.04 | 0.00 | 0.00 |
| -20                | 23.4 | 17.5 | 11.8 | 8.67 | 6.02 | 4.18 | 3.14 | 2.72 | 2.33 | 1.83 | 1.25 | 0.82 | 0.56 | 0.28 | 0.11 | 0.05 | 0.01 | 0.00 |
| -15                | 51.1 | 31.0 | 18.7 | 11.6 | 7.55 | 4.86 | 3.43 | 2.81 | 2.44 | 1.92 | 1.36 | 0.87 | 0.59 | 0.30 | 0.12 | 0.06 | 0.01 | 0.00 |
| -10                | 197  | 70.8 | 28.5 | 14.3 | 8.25 | 5.29 | 3.58 | 2.82 | 2.47 | 1.94 | 1.36 | 0.86 | 0.57 | 0.27 | 0.11 | 0.05 | 0.00 | 0.00 |
| -5                 | 499  | 127  | 37.0 | 16.6 | 8.89 | 5.60 | 3.71 | 2.84 | 2.51 | 1.98 | 1.39 | 0.88 | 0.58 | 0.28 | 0.11 | 0.05 | 0.01 | 0.00 |
| 0                  | 1160 | 246  | 54.5 | 21.2 | 10.2 | 6.30 | 4.09 | 2.95 | 2.59 | 2.13 | 1.54 | 0.99 | 0.66 | 0.36 | 0.13 | 0.06 | 0.01 | 0.00 |
| 5                  | 559  | 156  | 44.5 | 19.1 | 9.78 | 6.09 | 3.99 | 2.93 | 2.59 | 2.12 | 1.52 | 0.97 | 0.65 | 0.35 | 0.13 | 0.06 | 0.02 | 0.00 |
| 10                 | 91.0 | 42.3 | 22.9 | 12.6 | 7.65 | 5.01 | 3.44 | 2.77 | 2.50 | 1.92 | 1.33 | 0.86 | 0.57 | 0.26 | 0.11 | 0.05 | 0.00 | 0.00 |
| 15                 | 36.7 | 24.6 | 15.5 | 10.4 | 6.52 | 4.39 | 3.18 | 2.73 | 2.41 | 1.81 | 1.26 | 0.84 | 0.54 | 0.23 | 0.11 | 0.05 | 0.00 | 0.00 |
| 20                 | 15.5 | 12.4 | 9.62 | 7.13 | 5.13 | 3.68 | 2.92 | 2.67 | 2.31 | 1.75 | 1.23 | 0.84 | 0.56 | 0.26 | 0.12 | 0.05 | 0.01 | 0.00 |
| 25                 | 9.85 | 8.50 | 7.00 | 5.42 | 4.05 | 3.15 | 2.73 | 2.53 | 2.09 | 1.59 | 1.11 | 0.78 | 0.52 | 0.22 | 0.11 | 0.05 | 0.01 | 0.00 |
| 30                 | 5.14 | 4.65 | 4.05 | 3.41 | 2.89 | 2.64 | 2.47 | 2.11 | 1.65 | 1.23 | 0.87 | 0.65 | 0.40 | 0.16 | 0.09 | 0.04 | 0.00 | 0.00 |
| 35                 | 4.13 | 3.83 | 3.44 | 3.02 | 2.65 | 2.38 | 2.16 | 1.82 | 1.42 | 1.07 | 0.78 | 0.58 | 0.32 | 0.15 | 0.08 | 0.04 | 0.00 | 0.00 |
| 40                 | 2.63 | 2.60 | 2.53 | 2.46 | 2.32 | 2.06 | 1.75 | 1.46 | 1.13 | 0.88 | 0.69 | 0.51 | 0.25 | 0.14 | 0.08 | 0.04 | 0.01 | 0.00 |
| 45                 | 2.34 | 2.28 | 2.18 | 2.07 | 1.91 | 1.69 | 1.43 | 1.20 | 0.97 | 0.78 | 0.60 | 0.40 | 0.21 | 0.12 | 0.07 | 0.04 | 0.00 | 0.00 |
| 50                 | 1.89 | 1.78 | 1.62 | 1.44 | 1.26 | 1.10 | 0.93 | 0.79 | 0.70 | 0.59 | 0.41 | 0.21 | 0.14 | 0.09 | 0.05 | 0.03 | 0.00 | 0.00 |
| 55                 | 1.50 | 1.42 | 1.29 | 1.15 | 1.02 | 0.90 | 0.77 | 0.65 | 0.56 | 0.46 | 0.32 | 0.18 | 0.12 | 0.08 | 0.05 | 0.02 | 0.00 | 0.00 |
| 60                 | 0.91 | 0.87 | 0.81 | 0.73 | 0.68 | 0.62 | 0.54 | 0.47 | 0.36 | 0.26 | 0.20 | 0.14 | 0.10 | 0.07 | 0.04 | 0.02 | 0.00 | 0.00 |
| 65                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:qcl  
Test Date:2013-05-17

V(B) Range:-60 - 60DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: