

STN-DIL 03 150W



| | |
|---------------------|-----------------------|
| Light Output Ratio: | 71.1% |
| Luminaire Power: | 152.6 W |
| 90% Beam Spread | 29.1V x 27.6H |
| 50% Beam Lumens | 428.2 lumens per klm. |

H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|------------------------|
| Maximum Intensity | 457.4 cd per klm. |
| (Luminaire orientation as tested.) | 0.0 degrees vertical |
| | 0.0 degrees horizontal |

| | | |
|-------------|----------------------------|-----------------|
| Beam Spread | At 10% of I _{max} | 128.3V x 121.7H |
| | At 50% of I _{max} | 75.3V x 75.5H |
| | At 90% of I _{max} | 29.1V x 27.6H |

| | | |
|-----------|----------------------------|-----------------------|
| Beam Flux | Total | 711.3 lumens per klm. |
| | To 10% of I _{max} | 681.1 lumens per klm. |
| | To 50% of I _{max} | 428.2 lumens per klm. |
| | To 90% of I _{max} | 81.2 lumens per klm. |

| | |
|--------------|--------|
| Upward LOR | 0.0 % |
| Downward LOR | 71.1 % |

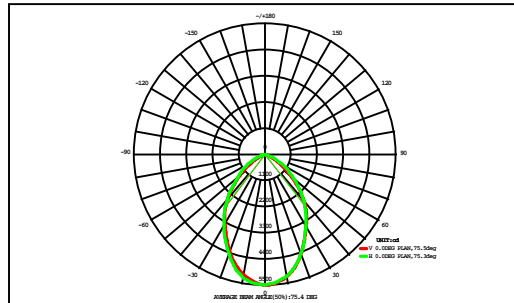
| | |
|--|--------|
| Luminaire Efficiency(Light Output Ratio) | 71.1 % |
|--|--------|

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | SUR.: | PROTECTION ANGLE: |



| DATA OF LAMP | | Eff:55.93lm/W | |
|------------------|-----------------|-----------------------|----------|
| MODEL | STN-DIL 03 150W | I _{max} (cd) | 5489 |
| NOMINAL POWER(W) | 150 | AVAILABILITY(%) | 68.1 |
| RATED VOLTAGE(V) | 220 | Avai. FLUX(lm) | 8177 |
| NOMINAL FLUX(lm) | 12000 | LOR(%) | 71.1 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 8535 |
| TEST VOLTAGE(V) | 220.4 | q @50%(H,V) | 75,75DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | F t | F a |
|--|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
| | 0.00 | 0.01 | 0.05 | 0.11 | 0.21 | 0.34 | 0.50 | 0.63 | 0.66 | 0.64 | 0.59 | 0.47 | 0.32 | 0.19 | 0.10 | 0.04 | 0.01 | 0.00 | 4.88 | 0.00 |
| 90 | 0.00 | 0.01 | 0.05 | 0.11 | 0.21 | 0.34 | 0.50 | 0.63 | 0.66 | 0.64 | 0.59 | 0.47 | 0.32 | 0.19 | 0.10 | 0.04 | 0.01 | 0.00 | 4.88 | 0.00 |
| 80 | 0.00 | 0.03 | 0.13 | 0.33 | 0.58 | 0.95 | 1.43 | 1.82 | 1.92 | 1.87 | 1.72 | 1.38 | 0.94 | 0.56 | 0.30 | 0.12 | 0.03 | 0.00 | 14.1 | 0.00 |
| 70 | 0.00 | 0.07 | 0.27 | 1.19 | 2.97 | 5.45 | 8.71 | 11.6 | 13.3 | 13.3 | 11.7 | 8.76 | 5.42 | 2.97 | 1.16 | 0.25 | 0.06 | 0.00 | 87.2 | 29.2 |
| 60 | 0.01 | 0.13 | 0.47 | 2.80 | 7.64 | 14.3 | 23.1 | 31.0 | 35.9 | 36.3 | 31.7 | 23.4 | 14.3 | 7.70 | 2.74 | 0.45 | 0.11 | 0.01 | 232 | 199 |
| 50 | 0.01 | 0.18 | 0.87 | 5.25 | 13.5 | 26.1 | 41.0 | 53.7 | 61.4 | 62.0 | 54.8 | 41.8 | 26.2 | 13.7 | 5.39 | 0.91 | 0.17 | 0.01 | 407 | 388 |
| 40 | 0.02 | 0.23 | 1.73 | 8.79 | 21.7 | 42.0 | 63.2 | 80.1 | 89.7 | 89.9 | 80.7 | 64.1 | 42.4 | 21.9 | 9.10 | 1.87 | 0.22 | 0.01 | 618 | 605 |
| 30 | 0.02 | 0.27 | 2.81 | 12.3 | 30.5 | 57.1 | 82.9 | 104 | 117 | 117 | 104 | 83.5 | 57.8 | 30.9 | 12.5 | 3.04 | 0.26 | 0.02 | 818 | 807 |
| 20 | 0.02 | 0.30 | 3.76 | 15.3 | 37.7 | 68.4 | 97.4 | 125 | 144 | 145 | 126 | 98.4 | 69.5 | 38.5 | 15.4 | 4.01 | 0.31 | 0.02 | 989 | 980 |
| 10 | 0.02 | 0.32 | 4.28 | 16.9 | 41.3 | 73.2 | 105 | 138 | 159 | 160 | 140 | 107 | 75.0 | 42.7 | 17.2 | 4.55 | 0.36 | 0.02 | 1087 | 1079 |
| 0 | 0.02 | 0.32 | 4.33 | 16.9 | 41.2 | 72.9 | 105 | 139 | 161 | 162 | 141 | 107 | 75.0 | 43.1 | 17.5 | 4.62 | 0.36 | 0.02 | 1091 | 1083 |
| -10 | 0.02 | 0.30 | 3.89 | 15.2 | 37.3 | 67.6 | 97.0 | 126 | 146 | 146 | 128 | 98.9 | 69.8 | 39.5 | 16.0 | 4.21 | 0.33 | 0.02 | 996 | 987 |
| -20 | 0.02 | 0.26 | 3.00 | 12.4 | 30.1 | 56.1 | 82.1 | 104 | 118 | 118 | 105 | 83.9 | 58.5 | 31.9 | 13.0 | 3.35 | 0.27 | 0.02 | 820 | 810 |
| -30 | 0.01 | 0.22 | 1.94 | 9.04 | 21.6 | 41.2 | 62.4 | 79.1 | 88.9 | 89.2 | 80.0 | 63.9 | 42.8 | 22.7 | 9.49 | 2.18 | 0.22 | 0.01 | 615 | 602 |
| -40 | 0.01 | 0.17 | 0.98 | 5.56 | 13.7 | 25.9 | 40.1 | 52.4 | 59.5 | 59.7 | 53.0 | 41.0 | 26.6 | 14.2 | 5.91 | 1.11 | 0.16 | 0.01 | 400 | 381 |
| -50 | 0.01 | 0.12 | 0.50 | 2.96 | 7.86 | 14.4 | 22.5 | 30.0 | 34.6 | 34.6 | 30.1 | 22.7 | 14.7 | 8.06 | 3.15 | 0.53 | 0.11 | 0.01 | 227 | 194 |
| -60 | 0.01 | 0.07 | 0.30 | 1.30 | 3.16 | 5.84 | 9.55 | 13.1 | 15.3 | 15.3 | 13.3 | 9.84 | 6.14 | 3.24 | 1.36 | 0.30 | 0.07 | 0.01 | 98.2 | 32.3 |
| -70 | 0.00 | 0.04 | 0.14 | 0.31 | 0.50 | 0.99 | 2.03 | 3.11 | 3.85 | 3.85 | 3.23 | 2.25 | 1.21 | 0.52 | 0.30 | 0.14 | 0.04 | 0.00 | 22.5 | 0.00 |
| -80 | 0.00 | 0.02 | 0.06 | 0.12 | 0.21 | 0.39 | 0.77 | 1.15 | 1.41 | 1.41 | 1.19 | 0.84 | 0.47 | 0.22 | 0.12 | 0.06 | 0.02 | 0.00 | 8.45 | 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 |
| -90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90 | | | | | | | | | | | | | | | | | | | | |
| F t | 0.21 | 3.04 | 29.5 | 127 | 312 | 573 | 845 | 1094 | 1252 | 1257 | 1107 | 860 | 587 | 323 | 131 | 31.7 | 3.11 | 0.20 | 8535 | --- |
| F a | 0.00 | 0.00 | 1.25 | 93.3 | 283 | 549 | 824 | 1074 | 1231 | 1237 | 1087 | 839 | 563 | 294 | 98.1 | 1.87 | 0.00 | 0.00 | --- | 8177 |

one-half-peak spread: U:37.7,D:38.2 , L:38.0,R:38.0

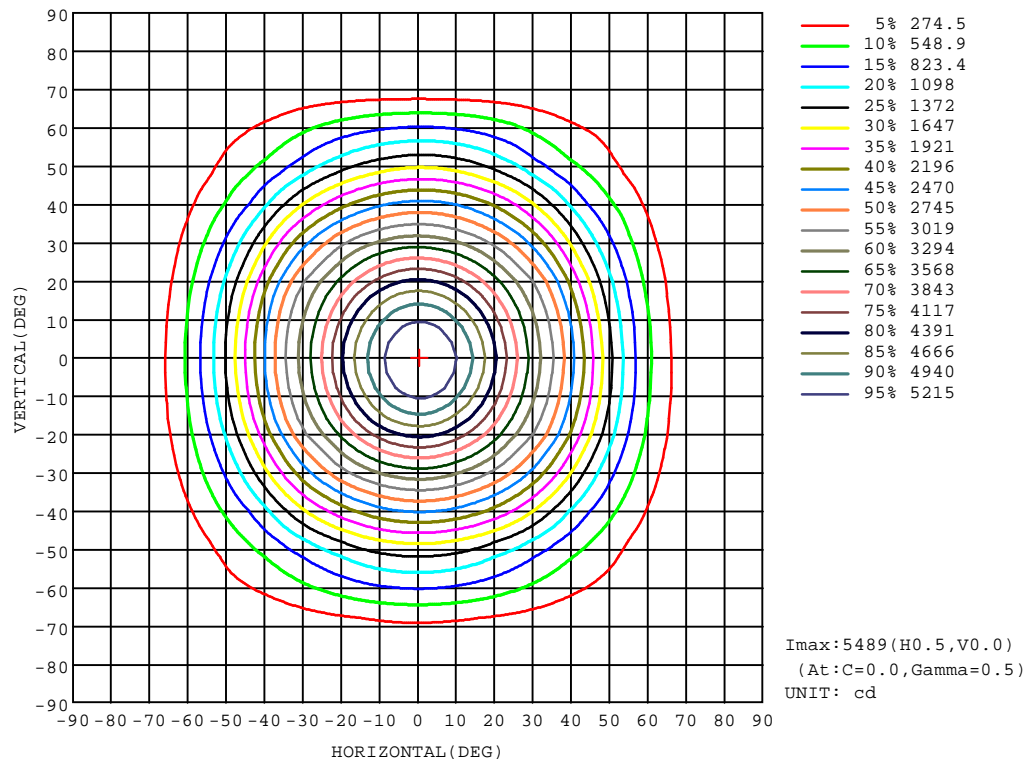
NEMA Beam Type: Type 6

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | SUR.: | PROTECTION ANGLE: |

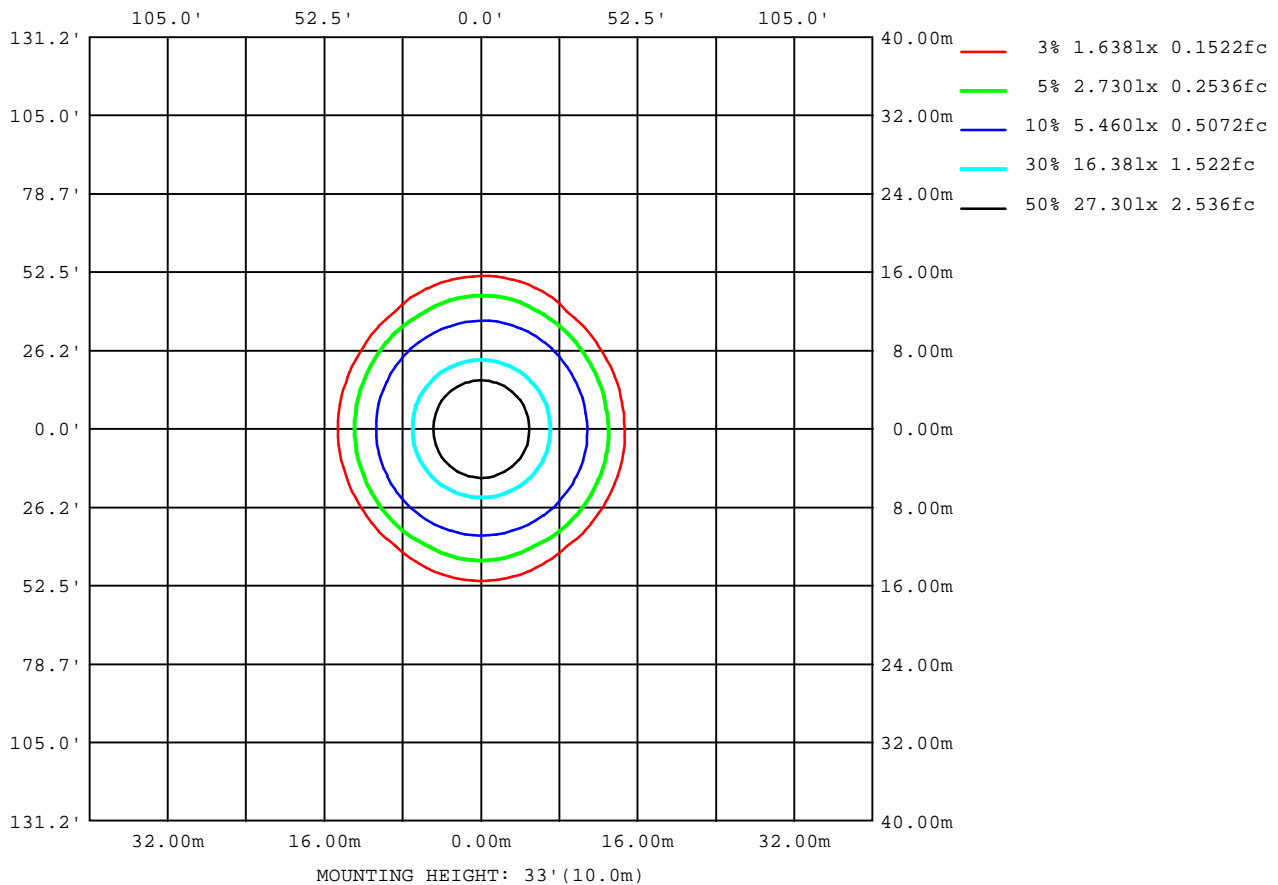


H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 7.030m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | SUR.: | PROTECTION ANGLE: |

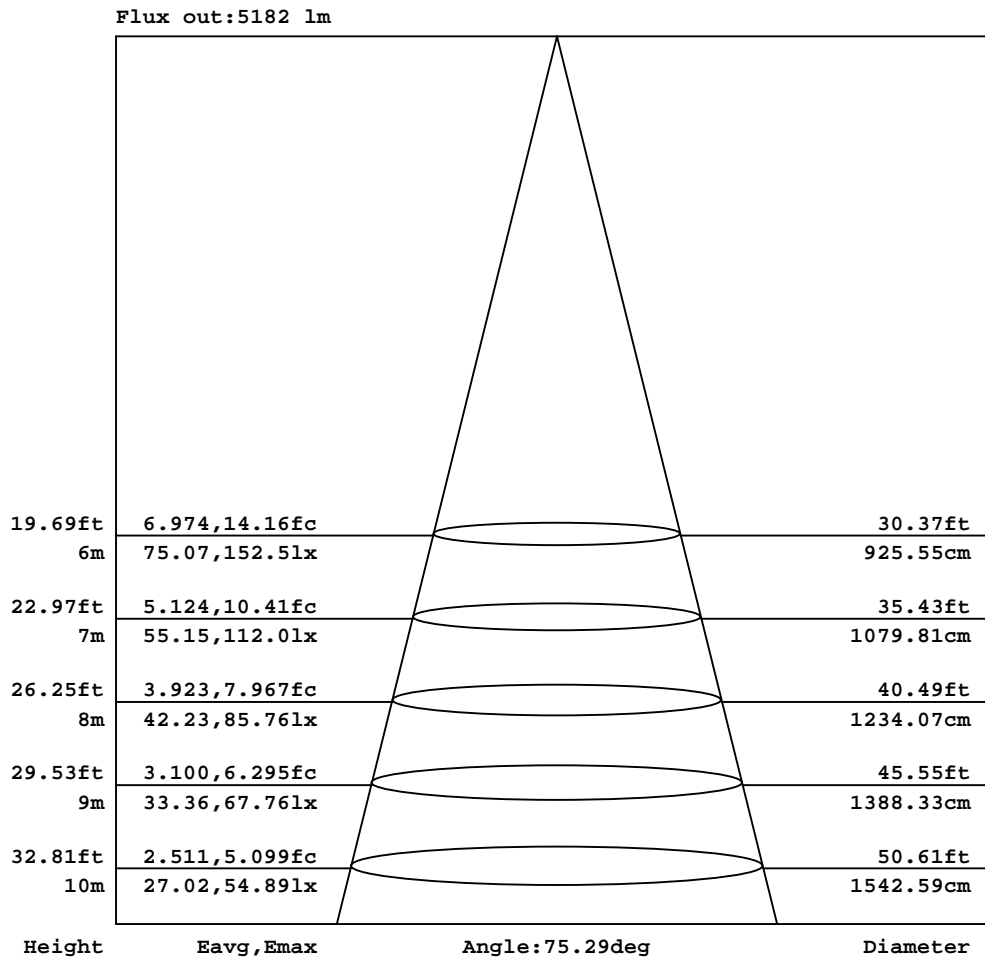


H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | SUR.: | PROTECTION ANGLE: |

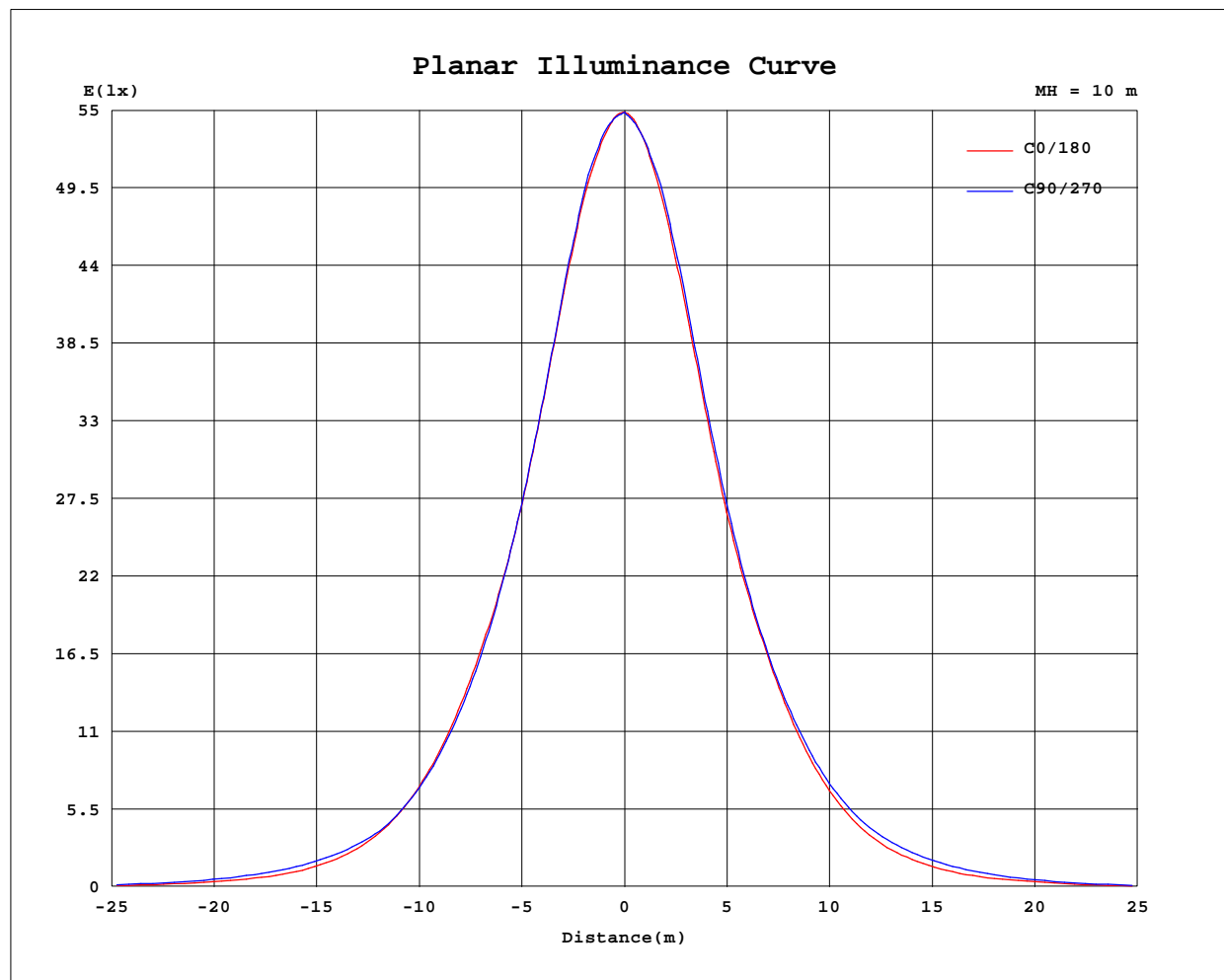


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(h) Range:-90 - 90DEG
 H(h) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2014-11-28

V(B) Range:-90 - 90DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity:65.0%
 Test Distance:7.030m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | 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 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90 | 0.25 | 0.72 | 0.77 | 0.75 | 0.75 | 0.77 | 0.77 | 0.77 | 0.77 | 0.78 | 0.78 | 0.74 | 0.72 | 0.69 | 0.65 | 0.65 | 0.68 | 0.68 | 0.63 |
| -85 | 0.25 | 0.72 | 1.27 | 1.75 | 2.52 | 3.53 | 4.65 | 5.75 | 6.86 | 7.86 | 8.99 | 12.5 | 17.2 | 22.4 | 27.2 | 31.4 | 35.0 | 37.6 | 38.4 |
| -80 | 0.25 | 0.72 | 2.03 | 3.24 | 5.18 | 7.67 | 10.5 | 13.2 | 16.0 | 18.5 | 21.3 | 30.2 | 42.0 | 55.0 | 67.0 | 77.6 | 86.6 | 93.0 | 95.1 |
| -75 | 0.25 | 0.72 | 2.54 | 4.24 | 6.95 | 10.4 | 14.4 | 18.2 | 22.1 | 25.6 | 29.5 | 42.0 | 58.5 | 76.7 | 93.5 | 108 | 121 | 130 | 133 |
| -70 | 0.25 | 0.72 | 3.30 | 5.73 | 9.60 | 14.6 | 20.2 | 25.6 | 31.2 | 36.2 | 41.9 | 59.7 | 83.3 | 109 | 133 | 155 | 172 | 185 | 190 |
| -65 | 0.25 | 1.03 | 3.98 | 7.80 | 13.4 | 20.0 | 34.6 | 63.2 | 93.9 | 124 | 154 | 198 | 248 | 299 | 346 | 388 | 422 | 443 | 451 |
| -60 | 0.25 | 1.49 | 5.00 | 10.9 | 19.2 | 28.1 | 56.2 | 120 | 188 | 255 | 322 | 405 | 496 | 583 | 666 | 739 | 795 | 830 | 842 |
| -55 | 0.25 | 1.80 | 5.68 | 13.0 | 23.0 | 33.6 | 70.6 | 157 | 251 | 342 | 434 | 543 | 661 | 772 | 878 | 973 | 1045 | 1088 | 1103 |
| -50 | 0.25 | 2.26 | 6.70 | 16.1 | 28.8 | 41.7 | 92.2 | 214 | 345 | 473 | 603 | 750 | 908 | 1056 | 1198 | 1323 | 1418 | 1475 | 1495 |
| -45 | 0.23 | 2.32 | 7.52 | 18.5 | 32.4 | 54.8 | 149 | 291 | 443 | 597 | 773 | 979 | 1188 | 1376 | 1547 | 1693 | 1805 | 1872 | 1895 |
| -40 | 0.20 | 2.42 | 8.75 | 22.1 | 38.0 | 74.4 | 234 | 406 | 590 | 783 | 1028 | 1323 | 1608 | 1857 | 2071 | 2248 | 2384 | 2466 | 2496 |
| -35 | 0.20 | 2.55 | 9.90 | 24.7 | 41.6 | 114 | 295 | 484 | 699 | 945 | 1247 | 1583 | 1904 | 2179 | 2417 | 2607 | 2754 | 2846 | 2883 |
| -30 | 0.19 | 2.73 | 11.6 | 28.6 | 47.0 | 174 | 386 | 601 | 861 | 1189 | 1576 | 1973 | 2349 | 2663 | 2935 | 3145 | 3308 | 3417 | 3463 |
| -25 | 0.18 | 2.76 | 12.7 | 30.6 | 50.0 | 205 | 427 | 671 | 969 | 1340 | 1764 | 2191 | 2589 | 2909 | 3208 | 3465 | 3669 | 3804 | 3863 |
| -20 | 0.17 | 2.81 | 14.3 | 33.6 | 54.5 | 253 | 487 | 775 | 1130 | 1568 | 2047 | 2517 | 2950 | 3277 | 3617 | 3945 | 4210 | 4386 | 4461 |
| -15 | 0.17 | 2.98 | 15.9 | 35.3 | 64.3 | 281 | 524 | 838 | 1222 | 1694 | 2203 | 2691 | 3110 | 3470 | 3865 | 4238 | 4549 | 4759 | 4849 |
| -10 | 0.16 | 2.99 | 17.3 | 36.3 | 73.9 | 304 | 562 | 906 | 1321 | 1834 | 2361 | 2859 | 3275 | 3694 | 4154 | 4579 | 4940 | 5177 | 5282 |
| -5 | 0.15 | 3.16 | 18.5 | 37.1 | 80.8 | 318 | 584 | 940 | 1370 | 1893 | 2426 | 2925 | 3346 | 3793 | 4279 | 4717 | 5074 | 5306 | 5412 |
| 0 | 0.15 | 3.21 | 18.8 | 37.0 | 80.4 | 319 | 590 | 957 | 1397 | 1927 | 2460 | 2964 | 3389 | 3851 | 4356 | 4797 | 5143 | 5378 | 5488 |
| 5 | 0.16 | 4.46 | 19.0 | 37.1 | 79.6 | 318 | 587 | 952 | 1391 | 1916 | 2456 | 2957 | 3375 | 3825 | 4318 | 4753 | 5093 | 5315 | 5409 |
| 10 | 0.16 | 4.58 | 18.3 | 36.2 | 69.2 | 294 | 559 | 908 | 1330 | 1848 | 2378 | 2883 | 3290 | 3697 | 4143 | 4561 | 4896 | 5115 | 5208 |
| 15 | 0.17 | 4.62 | 18.0 | 35.6 | 63.3 | 275 | 538 | 868 | 1267 | 1766 | 2291 | 2788 | 3198 | 3566 | 3959 | 4341 | 4654 | 4866 | 4952 |
| 20 | 0.19 | 4.14 | 16.7 | 33.8 | 53.0 | 232 | 485 | 775 | 1137 | 1591 | 2084 | 2562 | 2986 | 3311 | 3627 | 3928 | 4184 | 4361 | 4424 |
| 25 | 0.19 | 3.90 | 15.8 | 32.3 | 50.3 | 199 | 440 | 698 | 1028 | 1436 | 1893 | 2345 | 2745 | 3065 | 3365 | 3628 | 3841 | 3984 | 4034 |
| 30 | 0.20 | 3.55 | 14.6 | 30.2 | 46.3 | 150 | 373 | 583 | 864 | 1203 | 1607 | 2021 | 2385 | 2697 | 2971 | 3177 | 3325 | 3419 | 3449 |
| 35 | 0.20 | 3.08 | 13.2 | 27.8 | 43.0 | 113 | 310 | 508 | 745 | 1033 | 1383 | 1754 | 2089 | 2376 | 2627 | 2823 | 2966 | 3057 | 3091 |
| 40 | 0.20 | 2.37 | 11.3 | 24.2 | 37.9 | 58.9 | 215 | 397 | 566 | 778 | 1049 | 1353 | 1644 | 1894 | 2110 | 2291 | 2427 | 2515 | 2554 |
| 45 | 0.22 | 2.00 | 10.1 | 21.7 | 34.5 | 51.9 | 160 | 316 | 475 | 649 | 864 | 1109 | 1356 | 1575 | 1767 | 1928 | 2051 | 2132 | 2169 |
| 50 | 0.25 | 1.45 | 8.28 | 17.8 | 29.5 | 41.4 | 77.3 | 196 | 337 | 455 | 588 | 744 | 923 | 1097 | 1253 | 1385 | 1488 | 1559 | 1591 |
| 55 | 0.25 | 1.22 | 6.91 | 15.3 | 25.4 | 35.7 | 65.6 | 161 | 276 | 371 | 478 | 605 | 751 | 891 | 1018 | 1124 | 1208 | 1264 | 1290 |
| 60 | 0.25 | 0.87 | 4.85 | 11.4 | 19.2 | 27.3 | 48.1 | 110 | 184 | 245 | 314 | 397 | 492 | 582 | 665 | 734 | 786 | 821 | 838 |
| 65 | 0.25 | 0.63 | 3.48 | 8.81 | 15.1 | 21.7 | 36.4 | 75.7 | 122 | 161 | 205 | 258 | 320 | 376 | 430 | 473 | 506 | 526 | 536 |
| 70 | 0.25 | 0.28 | 1.43 | 4.94 | 8.88 | 13.3 | 18.8 | 24.3 | 30.0 | 35.2 | 40.5 | 49.6 | 61.1 | 67.6 | 76.7 | 82.4 | 84.3 | 83.7 | 84.0 |
| 75 | 0.25 | 0.28 | 1.20 | 4.01 | 7.16 | 10.7 | 15.2 | 19.6 | 24.2 | 28.5 | 32.7 | 40.0 | 49.3 | 54.5 | 61.8 | 66.4 | 67.9 | 67.4 | 67.7 |
| 80 | 0.26 | 0.27 | 0.85 | 2.61 | 4.58 | 6.84 | 9.67 | 12.5 | 15.5 | 18.3 | 21.1 | 25.7 | 31.6 | 34.9 | 39.4 | 42.4 | 43.3 | 43.0 | 43.2 |
| 85 | 0.26 | 0.27 | 0.62 | 1.67 | 2.86 | 4.24 | 6.01 | 7.83 | 9.75 | 11.5 | 13.3 | 16.2 | 19.8 | 21.8 | 24.6 | 26.3 | 26.9 | 26.8 | 26.8 |
| 90 | 0.27 | 0.27 | 0.27 | 0.27 | 0.29 | 0.34 | 0.52 | 0.76 | 1.06 | 1.38 | 1.68 | 1.92 | 2.11 | 2.20 | 2.25 | 2.31 | 2.34 | 2.34 | 2.28 |

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:220.3V I:0.6999A P:152.6W PF:0.9898 Lamp Flux:12000x1 lm | | |
| NAME: STN-DIL 03 150W | TYPE: | WEIGHT: |
| SPEC.:STN-DIL 03 150W | DIM.: | SERIAL No.: |
| MFR.: Steckermann | 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 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90 | 0.66 | 0.72 | 0.75 | 0.76 | 0.77 | 0.79 | 0.82 | 0.90 | 0.95 | 1.01 | 1.01 | 1.01 | 1.05 | 1.06 | 1.11 | 1.09 | 1.11 | 0.32 |
| -85 | 37.5 | 35.5 | 32.7 | 28.9 | 24.6 | 19.9 | 15.1 | 10.3 | 8.04 | 6.96 | 5.85 | 4.71 | 3.62 | 2.66 | 1.98 | 1.48 | 1.13 | 0.32 |
| -80 | 92.7 | 87.7 | 80.6 | 71.2 | 60.3 | 48.4 | 36.6 | 24.5 | 18.7 | 15.9 | 13.1 | 10.3 | 7.46 | 5.06 | 3.29 | 2.07 | 1.15 | 0.31 |
| -75 | 129 | 122 | 113 | 99.4 | 84.1 | 67.5 | 50.9 | 33.9 | 25.8 | 21.9 | 17.9 | 13.9 | 10.0 | 6.67 | 4.16 | 2.47 | 1.17 | 0.30 |
| -70 | 185 | 175 | 160 | 142 | 120 | 96.1 | 72.4 | 48.1 | 36.4 | 30.8 | 25.2 | 19.5 | 13.9 | 9.07 | 5.47 | 3.06 | 1.20 | 0.30 |
| -65 | 443 | 424 | 394 | 354 | 310 | 260 | 210 | 162 | 126 | 96.5 | 65.3 | 37.1 | 19.2 | 12.8 | 7.51 | 3.77 | 1.38 | 0.30 |
| -60 | 832 | 798 | 744 | 674 | 594 | 507 | 417 | 334 | 261 | 195 | 126 | 63.5 | 27.2 | 18.5 | 10.6 | 4.83 | 1.64 | 0.29 |
| -55 | 1090 | 1047 | 978 | 886 | 784 | 671 | 555 | 448 | 351 | 261 | 166 | 81.1 | 32.5 | 22.2 | 12.6 | 5.54 | 1.81 | 0.29 |
| -50 | 1478 | 1421 | 1328 | 1206 | 1068 | 918 | 762 | 619 | 486 | 359 | 226 | 107 | 40.5 | 27.8 | 15.7 | 6.61 | 2.08 | 0.29 |
| -45 | 1878 | 1815 | 1711 | 1571 | 1405 | 1214 | 1005 | 801 | 621 | 463 | 309 | 167 | 63.4 | 31.8 | 18.4 | 7.60 | 2.21 | 0.29 |
| -40 | 2477 | 2405 | 2284 | 2119 | 1910 | 1658 | 1369 | 1073 | 824 | 618 | 434 | 255 | 97.8 | 37.6 | 22.6 | 9.09 | 2.40 | 0.30 |
| -35 | 2858 | 2774 | 2639 | 2463 | 2238 | 1964 | 1644 | 1306 | 994 | 731 | 510 | 318 | 136 | 42.0 | 25.1 | 10.1 | 2.45 | 0.30 |
| -30 | 3431 | 3327 | 3171 | 2978 | 2729 | 2422 | 2055 | 1655 | 1249 | 899 | 624 | 411 | 194 | 48.4 | 28.8 | 11.6 | 2.53 | 0.30 |
| -25 | 3822 | 3694 | 3501 | 3261 | 2974 | 2664 | 2285 | 1861 | 1418 | 1022 | 700 | 453 | 230 | 60.8 | 30.4 | 13.1 | 2.65 | 0.29 |
| -20 | 4410 | 4245 | 3996 | 3686 | 3342 | 3026 | 2630 | 2170 | 1672 | 1205 | 815 | 514 | 284 | 79.3 | 32.9 | 15.3 | 2.83 | 0.29 |
| -15 | 4781 | 4577 | 4289 | 3927 | 3534 | 3169 | 2778 | 2304 | 1795 | 1292 | 871 | 544 | 303 | 89.9 | 33.7 | 16.3 | 2.80 | 0.30 |
| -10 | 5223 | 5003 | 4654 | 4238 | 3780 | 3352 | 2949 | 2466 | 1943 | 1403 | 947 | 588 | 335 | 106 | 35.2 | 17.8 | 3.00 | 0.30 |
| -5 | 5346 | 5144 | 4797 | 4356 | 3871 | 3417 | 3005 | 2515 | 1990 | 1435 | 966 | 596 | 342 | 109 | 35.3 | 17.8 | 3.03 | 0.30 |
| 0 | 5414 | 5225 | 4896 | 4448 | 3950 | 3473 | 3057 | 2562 | 2023 | 1456 | 981 | 608 | 351 | 113 | 35.8 | 18.1 | 3.48 | 0.31 |
| 5 | 5346 | 5162 | 4828 | 4388 | 3901 | 3442 | 3030 | 2533 | 1985 | 1425 | 961 | 597 | 339 | 109 | 35.4 | 17.7 | 3.42 | 0.30 |
| 10 | 5155 | 4950 | 4621 | 4211 | 3768 | 3350 | 2949 | 2451 | 1903 | 1361 | 923 | 578 | 320 | 103 | 34.9 | 17.5 | 3.56 | 0.30 |
| 15 | 4883 | 4682 | 4380 | 3999 | 3604 | 3231 | 2831 | 2332 | 1804 | 1284 | 870 | 542 | 293 | 90.8 | 33.9 | 16.7 | 3.32 | 0.29 |
| 20 | 4368 | 4205 | 3956 | 3655 | 3331 | 3020 | 2608 | 2124 | 1622 | 1161 | 788 | 494 | 254 | 72.3 | 32.8 | 15.9 | 3.21 | 0.30 |
| 25 | 3984 | 3848 | 3639 | 3380 | 3086 | 2774 | 2377 | 1920 | 1457 | 1047 | 712 | 449 | 219 | 61.3 | 31.2 | 14.8 | 2.91 | 0.30 |
| 30 | 3410 | 3312 | 3164 | 2968 | 2720 | 2405 | 2029 | 1615 | 1211 | 876 | 598 | 382 | 166 | 44.9 | 28.8 | 13.1 | 2.47 | 0.29 |
| 35 | 3061 | 2972 | 2833 | 2646 | 2407 | 2110 | 1764 | 1392 | 1044 | 762 | 526 | 321 | 127 | 41.7 | 26.6 | 12.0 | 2.24 | 0.29 |
| 40 | 2537 | 2463 | 2338 | 2163 | 1939 | 1668 | 1365 | 1057 | 793 | 592 | 417 | 228 | 69.4 | 37.0 | 23.4 | 10.3 | 1.90 | 0.29 |
| 45 | 2153 | 2085 | 1969 | 1809 | 1609 | 1368 | 1114 | 869 | 662 | 489 | 328 | 165 | 57.4 | 33.4 | 20.6 | 8.95 | 1.61 | 0.29 |
| 50 | 1577 | 1518 | 1417 | 1279 | 1115 | 919 | 739 | 587 | 465 | 335 | 195 | 69.7 | 39.5 | 27.9 | 16.3 | 6.85 | 1.18 | 0.29 |
| 55 | 1278 | 1230 | 1149 | 1038 | 905 | 747 | 601 | 478 | 379 | 273 | 161 | 59.2 | 34.0 | 23.9 | 13.9 | 5.75 | 0.99 | 0.28 |
| 60 | 830 | 799 | 747 | 676 | 591 | 489 | 394 | 313 | 250 | 181 | 109 | 43.5 | 25.8 | 17.8 | 10.1 | 4.10 | 0.72 | 0.28 |
| 65 | 530 | 511 | 479 | 435 | 381 | 316 | 257 | 204 | 163 | 120 | 74.4 | 33.0 | 20.3 | 13.8 | 7.64 | 3.00 | 0.53 | 0.28 |
| 70 | 81.6 | 80.1 | 77.6 | 73.4 | 66.4 | 58.0 | 50.2 | 39.8 | 33.9 | 28.5 | 22.7 | 17.2 | 12.0 | 7.70 | 3.90 | 1.35 | 0.26 | 0.27 |
| 75 | 65.7 | 64.5 | 62.4 | 59.0 | 53.4 | 46.7 | 40.5 | 32.0 | 27.3 | 22.9 | 18.3 | 13.9 | 9.68 | 6.22 | 3.18 | 1.13 | 0.26 | 0.27 |
| 80 | 41.9 | 41.1 | 39.7 | 37.5 | 33.9 | 29.7 | 25.8 | 20.5 | 17.5 | 14.7 | 11.7 | 8.82 | 6.16 | 3.99 | 2.09 | 0.81 | 0.26 | 0.27 |
| 85 | 26.0 | 25.4 | 24.6 | 23.2 | 21.0 | 18.4 | 16.0 | 12.8 | 10.9 | 9.17 | 7.25 | 5.45 | 3.82 | 2.51 | 1.36 | 0.59 | 0.26 | 0.26 |
| 90 | 2.17 | 2.02 | 1.85 | 1.66 | 1.53 | 1.48 | 1.37 | 1.24 | 1.11 | 0.90 | 0.63 | 0.40 | 0.31 | 0.28 | 0.27 | 0.27 | 0.26 | 0.26 |

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2014-11-28

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity:65.0%
Test Distance:7.030m [K=1.0000]
Remarks: