

Manufacturer:
NOMO GROUP CO., LIMITED
Manufacturer Address:
First Economy Industrial Area, Jiangxia Town, Baiyun District, Guangzhou, Guangdong, China
E-mail:
sales@led-floodlight.com
TEL:
86-186-88384867
FAX:
86-020-26287877

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

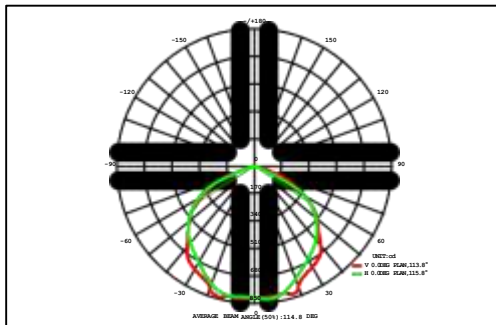
| | | |
|--|---|--|
| Maximum Intensity (Luminaire orientation as tested.) | | 279.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal |
| Beam Spread | At 10% of I _{max} At 50% of I _{max} At 90% of I _{max} | 137.5V x 143.8H 112.4V x 112.5H 42.4V x 49.0H |
| Beam Flux | Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max} | 745.1 lumens per klm. 730.9 lumens per klm. 596.7 lumens per klm. 143.3 lumens per klm. |
| | Upward LOR Downward LOR | 0.7 % 73.8 % |
| Luminaire Efficiency (Light Output Ratio) | | 74.5 % |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------------------|-------------------|
| Test:U:224.2V I:0.1430A P:30.50W PF:0.9460 Lamp Flux:3050x1 lm | | |
| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:F30A | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |



| DATA OF LAMP | | Eff:74.51lm/W | |
|------------------|-----------------|-----------------------|------------|
| MODEL | 30W_Flood Light | I _{max} (cd) | 852.2 |
| NOMINAL POWER(W) | 30 | AVAILABILITY(%) | 73.1 |
| RATED VOLTAGE(V) | 224 | Avai. FLUX(lm) | 2229 |
| NOMINAL FLUX(lm) | 3050 | LOR(%) | 74.5 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 2272 |
| TEST VOLTAGE(V) | 224.2 | @50% (H,V) | 112,112DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | φ t | φ a | |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|------|
| | 0.00 | 0.01 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | | | | |
| 90 | 0.00 | 0.01 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.79 | 0.00 | | |
| 80 | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.17 | 0.23 | 0.21 | 0.22 | 0.22 | 0.20 | 0.19 | 0.14 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01 | 2.03 | 0.00 | |
| 70 | 0.01 | 0.03 | 0.07 | 0.31 | 1.90 | 3.45 | 4.16 | 4.93 | 5.08 | 4.87 | 4.33 | 3.38 | 2.60 | 1.26 | 0.19 | 0.06 | 0.03 | 0.01 | 36.7 | 31.9 | |
| 60 | 0.01 | 0.04 | 0.25 | 2.68 | 5.83 | 8.55 | 10.8 | 12.3 | 13.0 | 12.8 | 11.9 | 10.1 | 7.69 | 5.03 | 2.08 | 0.17 | 0.03 | 0.01 | 103 | 102 | |
| 50 | 0.01 | 0.05 | 1.28 | 4.56 | 8.07 | 11.4 | 14.0 | 15.6 | 16.5 | 16.4 | 15.3 | 13.4 | 10.7 | 7.38 | 4.06 | 1.02 | 0.04 | 0.01 | 140 | 139 | |
| 40 | 0.01 | 0.07 | 2.32 | 5.80 | 10.0 | 13.6 | 16.5 | 18.2 | 19.1 | 19.0 | 18.0 | 16.0 | 12.9 | 9.25 | 5.34 | 2.02 | 0.06 | 0.01 | 168 | 168 | |
| 30 | 0.01 | 0.17 | 3.06 | 6.95 | 11.3 | 15.5 | 18.8 | 20.9 | 21.5 | 21.3 | 20.6 | 18.3 | 15.0 | 10.6 | 6.44 | 2.76 | 0.14 | 0.01 | 193 | 193 | |
| 20 | 0.01 | 0.29 | 3.52 | 7.69 | 12.1 | 17.2 | 20.8 | 23.6 | 24.0 | 23.7 | 23.1 | 20.2 | 16.6 | 11.6 | 7.19 | 3.21 | 0.27 | 0.01 | 215 | 215 | |
| 10 | 0.01 | 0.37 | 3.76 | 8.02 | 12.6 | 17.6 | 21.3 | 24.5 | 25.0 | 24.8 | 24.1 | 20.8 | 17.1 | 12.1 | 7.59 | 3.45 | 0.36 | 0.01 | 223 | 223 | |
| 0 | 0.01 | 0.39 | 3.81 | 8.06 | 12.7 | 17.7 | 21.2 | 24.2 | 24.7 | 24.6 | 24.0 | 20.8 | 17.3 | 12.2 | 7.66 | 3.49 | 0.38 | 0.01 | 223 | 223 | |
| -10 | 0.01 | 0.35 | 3.67 | 7.81 | 12.4 | 17.6 | 21.0 | 24.0 | 24.5 | 24.3 | 23.9 | 20.7 | 17.0 | 11.9 | 7.41 | 3.34 | 0.33 | 0.01 | 220 | 220 | |
| -20 | 0.01 | 0.25 | 3.30 | 7.26 | 11.5 | 16.1 | 19.6 | 21.9 | 22.5 | 22.3 | 21.5 | 19.1 | 15.6 | 11.1 | 6.83 | 2.98 | 0.21 | 0.01 | 202 | 202 | |
| -30 | 0.01 | 0.13 | 2.69 | 6.37 | 10.4 | 14.3 | 17.4 | 19.2 | 20.0 | 19.9 | 19.0 | 16.9 | 13.7 | 9.88 | 5.88 | 2.37 | 0.10 | 0.01 | 178 | 178 | |
| -40 | 0.01 | 0.06 | 1.77 | 5.20 | 8.77 | 12.2 | 14.9 | 16.7 | 17.5 | 17.4 | 16.3 | 14.4 | 11.6 | 8.21 | 4.69 | 1.49 | 0.05 | 0.01 | 151 | 151 | |
| -50 | 0.01 | 0.04 | 0.57 | 3.64 | 6.65 | 9.55 | 11.9 | 13.6 | 14.3 | 14.2 | 13.2 | 11.4 | 8.99 | 6.13 | 3.13 | 0.44 | 0.04 | 0.01 | 118 | 117 | |
| -60 | 0.01 | 0.03 | 0.09 | 0.99 | 3.64 | 5.55 | 7.20 | 8.46 | 8.88 | 8.72 | 7.97 | 6.54 | 4.91 | 2.95 | 0.68 | 0.08 | 0.03 | 0.01 | 66.7 | 65.2 | |
| -70 | 0.01 | 0.03 | 0.06 | 0.10 | 0.30 | 0.71 | 0.74 | 0.77 | 0.77 | 0.71 | 0.64 | 0.56 | 0.46 | 0.19 | 0.09 | 0.06 | 0.03 | 0.01 | 6.21 | 0.84 | |
| -80 | 0.01 | 0.02 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.12 | 0.10 | 0.08 | 0.06 | 0.04 | 0.02 | 0.01 | 1.43 | 0.00 |
| -90 | 0.01 | 0.02 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.12 | 0.10 | 0.08 | 0.06 | 0.04 | 0.02 | 0.01 | 1.43 | 0.00 |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | HORIZONTAL (DEG) | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | | | |
| φ t | 0.14 | 2.35 | 30.3 | 75.6 | 128 | 181 | 221 | 249 | 258 | 255 | 244 | 213 | 172 | 120 | 69.4 | 27.0 | 2.16 | 0.17 | 2250 | --- | |
| φ a | 0.00 | 1.06 | 29.1 | 74.5 | 127 | 180 | 219 | 248 | 256 | 254 | 243 | 212 | 171 | 119 | 68.3 | 25.8 | 1.01 | 0.00 | --- | 2229 | |

one-half-peak spread: U:45.5,D:48.4 , L:41.6,R:38.3

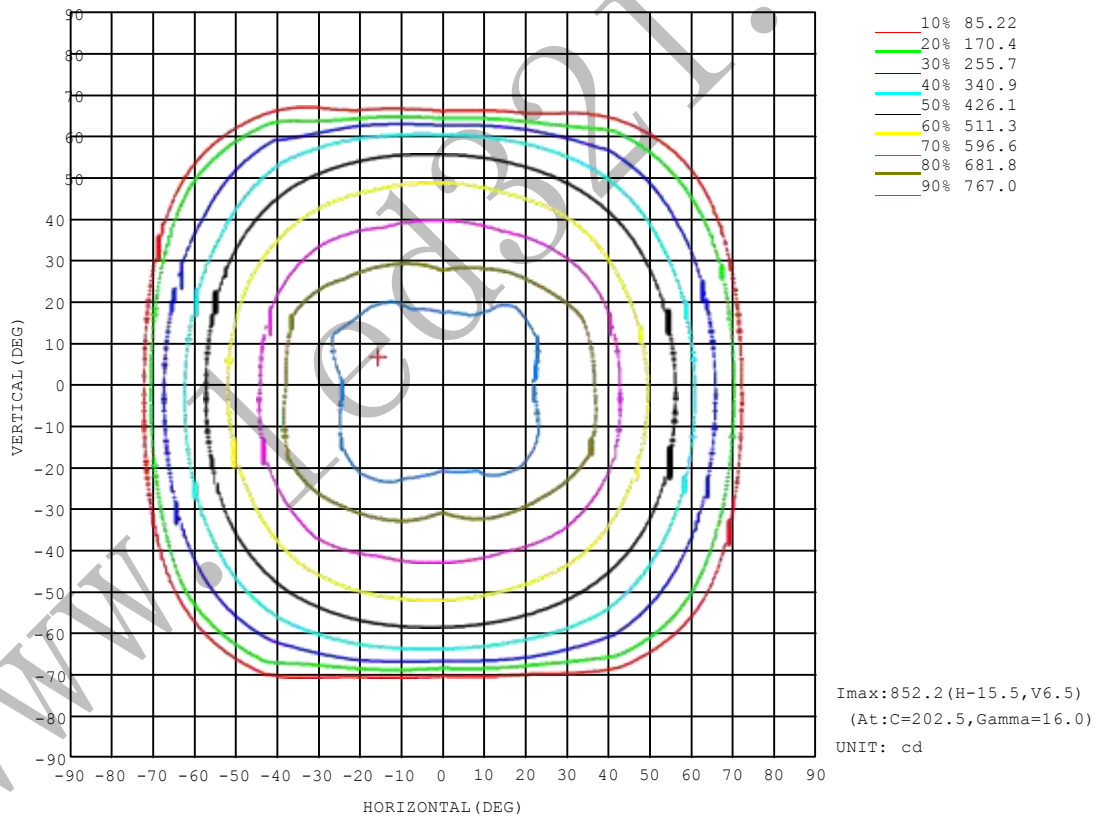
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

ISOCANDELA DIAGRAM

| | | |
|--|----------------------|-------------------|
| Test:U:224.2V I:0.1430A P:30.50W PF:0.9460 Lamp Flux:3050x1 lm | | |
| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:FL-1*30W | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |

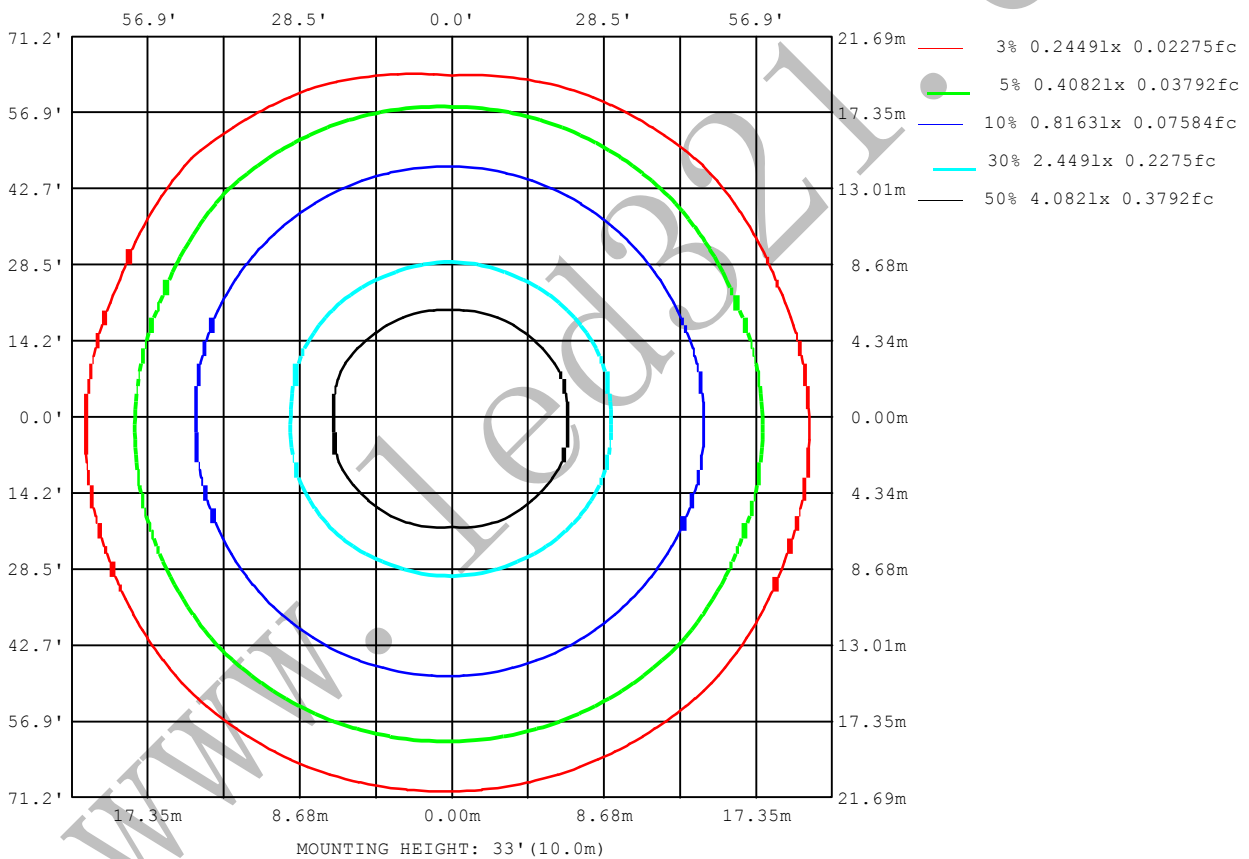


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

ISOLUX DIAGRAM

| | | |
|--|----------------------|-------------------|
| Test:U:224.2V I:0.1430A P:30.50W PF:0.9460 Lamp Flux:3050x1 lm | | |
| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:FL-1*30W | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |



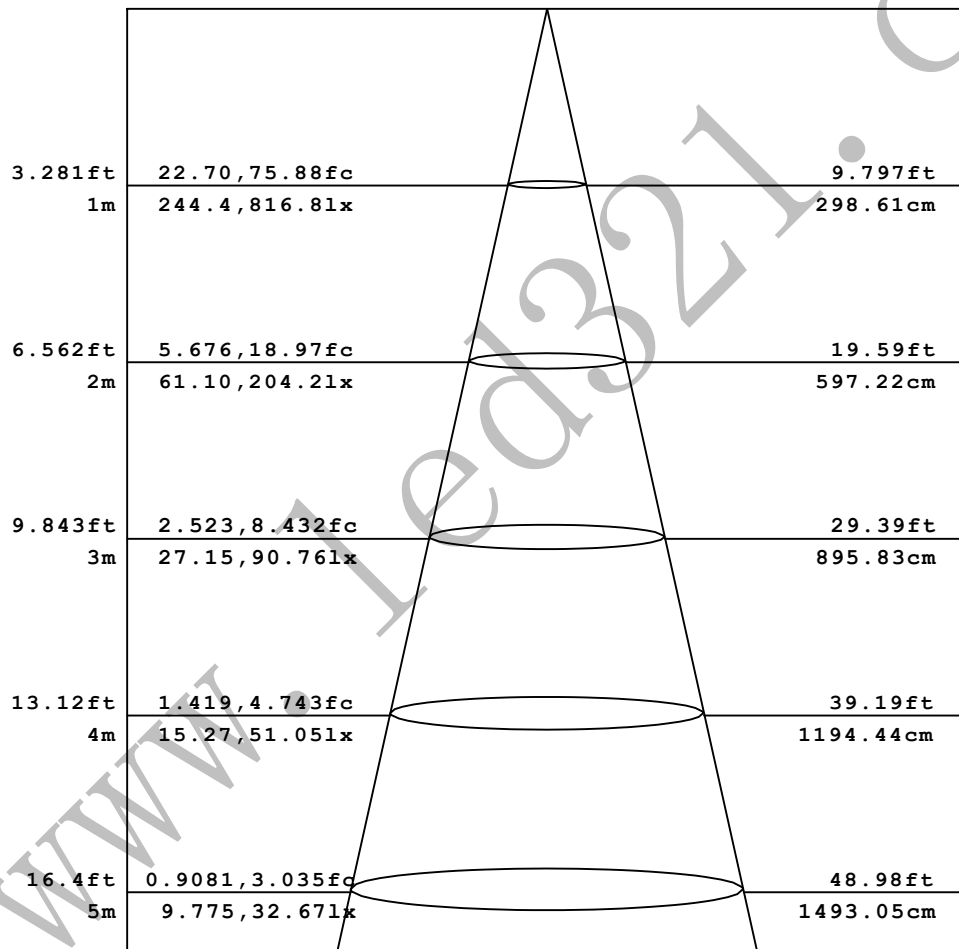
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

AAI Figure

| | | |
|--|----------------------|-------------------|
| Test:U:224.2V I:0.1430A P:30.50W PF:0.9460 Lamp Flux:3050x1 lm | | |
| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:FL-1*30W | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |

Flux out:1820 lm



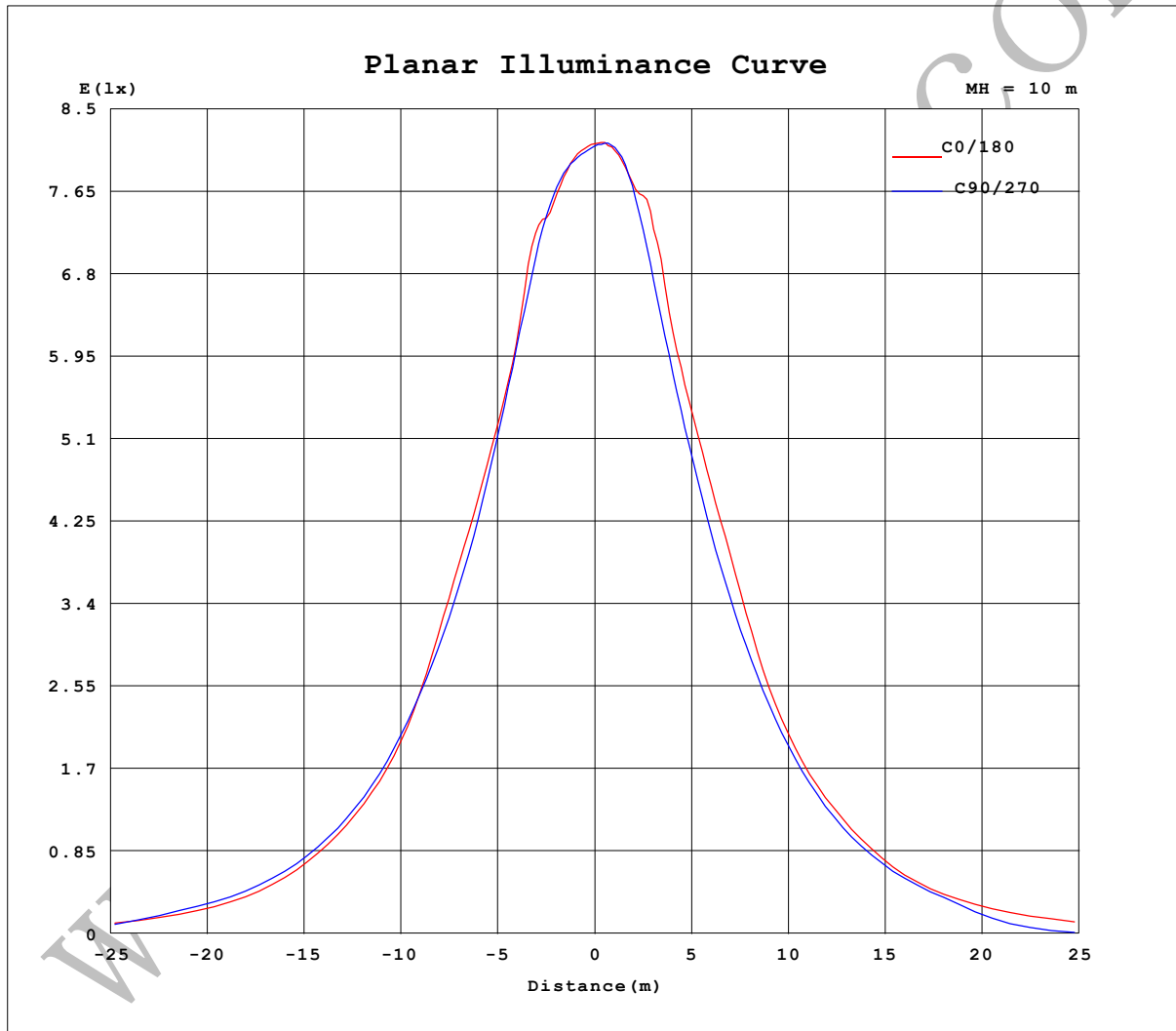
Height Eavg, Emax Angle: 112.37deg Diameter

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

H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2012-09-15

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks: sales@led321.com

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------------------|-------------------|
| Test:U:224.2V I:0.1430A P:30.50W PF:0.9460 Lamp Flux:3050x1 lm | | |
| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:FL-1*30W | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |

Table--1

UNIT: cd

| H(DEG) V(DEG) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 1.89 | 2.01 | 2.16 | 2.33 | 2.49 | 2.67 | 2.84 | 3.01 | 3.17 | 3.35 | 3.52 | 3.73 | 4.02 | 4.37 | 4.74 | 5.10 | 5.41 | 5.65 | 5.80 |
| -170 | 1.89 | 2.05 | 2.23 | 2.45 | 2.66 | 2.90 | 3.14 | 3.38 | 3.62 | 3.88 | 4.16 | 4.47 | 4.83 | 5.21 | 5.46 | 5.59 | 5.68 | 5.73 | 5.72 |
| -160 | 1.89 | 2.08 | 2.30 | 2.55 | 2.81 | 3.08 | 3.38 | 3.68 | 3.99 | 4.31 | 4.66 | 4.84 | 4.99 | 5.14 | 5.27 | 5.37 | 5.45 | 5.50 | 5.51 |
| -150 | 1.89 | 2.10 | 2.34 | 2.62 | 2.91 | 3.22 | 3.55 | 3.89 | 4.23 | 4.37 | 4.51 | 4.65 | 4.78 | 4.90 | 5.01 | 5.10 | 5.16 | 5.21 | 5.23 |
| -140 | 1.89 | 2.12 | 2.38 | 2.66 | 2.97 | 3.30 | 3.64 | 3.90 | 4.04 | 4.17 | 4.29 | 4.40 | 4.51 | 4.61 | 4.70 | 4.77 | 4.82 | 4.85 | 4.86 |
| -130 | 1.89 | 2.13 | 2.39 | 2.68 | 2.99 | 3.31 | 3.59 | 3.70 | 3.81 | 3.92 | 4.02 | 4.12 | 4.21 | 4.30 | 4.37 | 4.43 | 4.47 | 4.50 | 4.52 |
| -120 | 1.89 | 2.14 | 2.39 | 2.67 | 2.96 | 3.27 | 3.38 | 3.47 | 3.55 | 3.63 | 3.70 | 3.78 | 3.85 | 3.92 | 3.96 | 4.02 | 4.06 | 4.09 | 4.12 |
| -110 | 1.89 | 2.13 | 2.37 | 2.63 | 2.90 | 3.12 | 3.18 | 3.23 | 3.27 | 3.32 | 3.36 | 3.40 | 3.44 | 3.48 | 3.52 | 3.55 | 3.58 | 3.60 | 3.61 |
| -100 | 1.89 | 2.12 | 2.35 | 2.58 | 2.81 | 2.96 | 2.97 | 2.99 | 3.00 | 3.01 | 3.03 | 3.04 | 3.05 | 3.06 | 3.08 | 3.10 | 3.11 | 3.13 | 3.14 |
| -90 | 1.89 | 2.10 | 2.31 | 2.52 | 2.73 | 2.84 | 2.84 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 |
| -80 | 1.89 | 2.11 | 2.46 | 2.91 | 3.43 | 3.86 | 4.18 | 4.48 | 4.78 | 5.07 | 5.47 | 5.91 | 6.39 | 6.86 | 7.23 | 7.43 | 7.57 | 7.66 | 7.69 |
| -70 | 1.89 | 2.19 | 2.87 | 3.74 | 4.64 | 5.42 | 6.12 | 7.22 | 17.2 | 57.5 | 94.1 | 104 | 104 | 102 | 108 | 117 | 119 | 113 | 99.6 |
| -60 | 1.89 | 2.33 | 3.43 | 4.72 | 5.90 | 7.27 | 37.7 | 139 | 212 | 251 | 289 | 319 | 345 | 366 | 382 | 394 | 401 | 405 | 405 |
| -50 | 1.89 | 2.50 | 4.03 | 5.64 | 7.76 | 68.5 | 204 | 258 | 311 | 362 | 406 | 440 | 468 | 492 | 510 | 521 | 529 | 532 | 532 |
| -40 | 1.89 | 2.68 | 4.58 | 6.52 | 34.2 | 186 | 266 | 330 | 396 | 449 | 493 | 533 | 569 | 591 | 602 | 607 | 616 | 620 | 618 |
| -30 | 1.89 | 2.84 | 5.02 | 7.64 | 94.4 | 241 | 317 | 393 | 459 | 510 | 561 | 612 | 650 | 674 | 690 | 703 | 706 | 700 | 688 |
| -20 | 1.89 | 2.95 | 5.35 | 10.4 | 147 | 273 | 353 | 435 | 499 | 554 | 623 | 690 | 722 | 743 | 777 | 801 | 791 | 784 | 774 |
| -10 | 1.89 | 3.01 | 5.54 | 12.6 | 180 | 290 | 373 | 458 | 523 | 581 | 654 | 718 | 746 | 765 | 801 | 829 | 820 | 818 | 814 |
| 0 | 1.89 | 3.00 | 5.58 | 9.96 | 190 | 294 | 375 | 465 | 529 | 583 | 648 | 710 | 738 | 761 | 806 | 840 | 820 | 820 | 814 |
| 10 | 1.89 | 2.95 | 5.46 | 9.54 | 175 | 282 | 364 | 456 | 520 | 574 | 643 | 708 | 746 | 776 | 804 | 841 | 831 | 826 | 819 |
| 20 | 1.89 | 2.85 | 5.19 | 8.05 | 133 | 258 | 335 | 421 | 498 | 543 | 603 | 666 | 702 | 722 | 739 | 759 | 760 | 750 | 743 |
| 30 | 1.89 | 2.68 | 4.77 | 7.09 | 61.1 | 222 | 290 | 363 | 447 | 501 | 540 | 585 | 620 | 641 | 656 | 667 | 673 | 672 | 663 |
| 40 | 1.89 | 2.48 | 4.22 | 6.18 | 12.5 | 156 | 235 | 292 | 361 | 424 | 472 | 505 | 535 | 557 | 570 | 576 | 586 | 592 | 593 |
| 50 | 1.89 | 2.26 | 3.58 | 5.13 | 6.81 | 21.6 | 156 | 223 | 273 | 326 | 373 | 407 | 434 | 456 | 471 | 483 | 491 | 495 | 496 |
| 60 | 1.89 | 2.07 | 2.89 | 3.99 | 5.16 | 6.39 | 8.68 | 50.8 | 143 | 211 | 244 | 256 | 286 | 319 | 336 | 345 | 351 | 352 | 350 |
| 70 | 1.89 | 1.92 | 2.29 | 2.88 | 3.55 | 4.21 | 4.82 | 5.36 | 5.89 | 6.47 | 10.8 | 24.6 | 32.8 | 26.1 | 11.1 | 13.1 | 14.2 | 13.4 | 11.5 |
| 80 | 1.89 | 1.87 | 1.90 | 2.02 | 2.21 | 2.44 | 2.66 | 2.87 | 3.04 | 3.15 | 3.30 | 3.46 | 3.62 | 3.77 | 3.92 | 4.01 | 4.05 | 4.06 | 4.02 |
| 90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.85 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.86 | 1.87 | 1.87 |
| 100 | 1.89 | 1.90 | 1.92 | 1.93 | 1.94 | 1.96 | 1.98 | 2.00 | 2.02 | 2.03 | 2.05 | 2.08 | 2.10 | 2.12 | 2.14 | 2.15 | 2.16 | 2.17 | 2.18 |
| 110 | 1.89 | 1.93 | 1.96 | 2.00 | 2.04 | 2.08 | 2.13 | 2.17 | 2.22 | 2.26 | 2.31 | 2.35 | 2.40 | 2.44 | 2.47 | 2.49 | 2.51 | 2.52 | 2.52 |
| 120 | 1.89 | 1.95 | 2.00 | 2.07 | 2.14 | 2.21 | 2.29 | 2.36 | 2.43 | 2.50 | 2.57 | 2.64 | 2.70 | 2.76 | 2.80 | 2.84 | 2.86 | 2.88 | 2.89 |
| 130 | 1.89 | 1.96 | 2.04 | 2.13 | 2.23 | 2.34 | 2.44 | 2.54 | 2.65 | 2.74 | 2.83 | 2.91 | 2.98 | 3.05 | 3.11 | 3.15 | 3.18 | 3.21 | 3.22 |
| 140 | 1.89 | 1.98 | 2.08 | 2.20 | 2.32 | 2.45 | 2.58 | 2.71 | 2.83 | 2.94 | 3.04 | 3.13 | 3.23 | 3.32 | 3.40 | 3.47 | 3.52 | 3.55 | 3.56 |
| 150 | 1.89 | 1.99 | 2.11 | 2.25 | 2.39 | 2.54 | 2.69 | 2.84 | 2.98 | 3.10 | 3.23 | 3.36 | 3.48 | 3.61 | 3.74 | 3.86 | 3.95 | 4.01 | 4.02 |
| 160 | 1.89 | 2.00 | 2.13 | 2.29 | 2.45 | 2.61 | 2.78 | 2.94 | 3.08 | 3.24 | 3.38 | 3.55 | 3.73 | 3.95 | 4.17 | 4.39 | 4.57 | 4.70 | 4.76 |
| 170 | 1.89 | 2.01 | 2.15 | 2.31 | 2.48 | 2.65 | 2.83 | 2.99 | 3.15 | 3.32 | 3.49 | 3.68 | 3.94 | 4.26 | 4.59 | 4.91 | 5.19 | 5.37 | 5.45 |
| 180 | 1.89 | 2.01 | 2.16 | 2.33 | 2.49 | 2.67 | 2.84 | 3.01 | 3.17 | 3.35 | 3.52 | 3.73 | 4.02 | 4.37 | 4.74 | 5.10 | 5.41 | 5.65 | 5.79 |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(β) Range:-180 - 180DEG
V(β) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com

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| | | |
|--|----------------------|-------------------|
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| NAME: 30W_Flood Light-110Degree_Cover(5500-6000 K) | TYPE:LED Flood Light | WEIGHT:1.95 KG |
| DIM.: 18.5*22.5*15 CM | SPEC.:FL-1*30W | SERIAL No.: |
| MFR.: NOMO GROUP CO.,LIMITED | SUR.:17*13.5 CM | PROTECTION ANGLE: |

Table--2

UNIT: cd

| H(DEG) V(DEG) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 5.91 | 5.90 | 5.78 | 5.65 | 5.50 | 5.33 | 5.15 | 4.97 | 4.78 | 4.60 | 4.45 | 4.27 | 4.05 | 3.83 | 3.60 | 3.37 | 3.15 | 2.94 |
| -170 | 5.77 | 5.75 | 5.67 | 5.56 | 5.42 | 5.26 | 5.09 | 4.92 | 4.75 | 4.58 | 4.42 | 4.24 | 4.03 | 3.81 | 3.59 | 3.36 | 3.14 | 2.94 |
| -160 | 5.52 | 5.49 | 5.44 | 5.35 | 5.23 | 5.10 | 4.96 | 4.81 | 4.66 | 4.51 | 4.35 | 4.17 | 3.97 | 3.76 | 3.55 | 3.34 | 3.13 | 2.94 |
| -150 | 5.22 | 5.19 | 5.15 | 5.08 | 5.00 | 4.89 | 4.78 | 4.65 | 4.53 | 4.39 | 4.24 | 4.07 | 3.88 | 3.69 | 3.49 | 3.30 | 3.11 | 2.94 |
| -140 | 4.87 | 4.86 | 4.83 | 4.78 | 4.72 | 4.64 | 4.56 | 4.46 | 4.34 | 4.21 | 4.07 | 3.92 | 3.76 | 3.59 | 3.42 | 3.26 | 3.09 | 2.94 |
| -130 | 4.53 | 4.52 | 4.49 | 4.46 | 4.41 | 4.35 | 4.28 | 4.19 | 4.09 | 3.97 | 3.86 | 3.74 | 3.60 | 3.47 | 3.33 | 3.20 | 3.06 | 2.94 |
| -120 | 4.12 | 4.10 | 4.08 | 4.04 | 4.01 | 3.96 | 3.91 | 3.84 | 3.78 | 3.70 | 3.62 | 3.53 | 3.43 | 3.34 | 3.23 | 3.13 | 3.03 | 2.94 |
| -110 | 3.62 | 3.62 | 3.61 | 3.59 | 3.57 | 3.55 | 3.52 | 3.49 | 3.46 | 3.41 | 3.36 | 3.31 | 3.25 | 3.19 | 3.13 | 3.06 | 3.00 | 2.94 |
| -100 | 3.14 | 3.15 | 3.15 | 3.14 | 3.14 | 3.14 | 3.14 | 3.14 | 3.13 | 3.12 | 3.10 | 3.08 | 3.06 | 3.04 | 3.01 | 2.99 | 2.96 | 2.94 |
| -90 | 2.82 | 2.82 | 2.82 | 2.82 | 2.83 | 2.83 | 2.84 | 2.85 | 2.85 | 2.86 | 2.87 | 2.88 | 2.89 | 2.90 | 2.91 | 2.92 | 2.93 | 2.94 |
| -80 | 7.69 | 7.63 | 7.52 | 7.34 | 6.92 | 6.36 | 5.81 | 5.30 | 4.84 | 4.53 | 4.22 | 3.92 | 3.64 | 3.38 | 3.15 | 2.99 | 2.92 | 2.94 |
| -70 | 106 | 105 | 96.8 | 83.3 | 77.8 | 76.0 | 71.1 | 55.2 | 25.1 | 9.19 | 6.67 | 5.75 | 5.04 | 4.41 | 3.82 | 3.31 | 2.98 | 2.94 |
| -60 | 401 | 394 | 383 | 367 | 346 | 324 | 297 | 268 | 230 | 185 | 107 | 22.5 | 6.68 | 5.54 | 4.60 | 3.74 | 3.09 | 2.94 |
| -50 | 528 | 520 | 508 | 493 | 473 | 447 | 416 | 382 | 336 | 285 | 228 | 171 | 52.4 | 6.70 | 5.35 | 4.20 | 3.23 | 2.94 |
| -40 | 617 | 611 | 599 | 589 | 572 | 545 | 509 | 469 | 426 | 366 | 303 | 235 | 162 | 24.0 | 5.95 | 4.61 | 3.39 | 2.94 |
| -30 | 698 | 704 | 695 | 677 | 655 | 630 | 590 | 538 | 488 | 439 | 363 | 289 | 212 | 83.4 | 6.46 | 4.94 | 3.52 | 2.94 |
| -20 | 776 | 782 | 791 | 755 | 727 | 702 | 666 | 604 | 532 | 477 | 412 | 326 | 245 | 140 | 7.81 | 5.17 | 3.61 | 2.94 |
| -10 | 813 | 814 | 826 | 796 | 757 | 731 | 698 | 638 | 560 | 499 | 436 | 349 | 264 | 169 | 8.93 | 5.29 | 3.67 | 2.94 |
| 0 | 814 | 808 | 817 | 798 | 742 | 717 | 693 | 640 | 562 | 504 | 442 | 353 | 268 | 179 | 7.09 | 5.30 | 3.68 | 2.94 |
| 10 | 813 | 812 | 818 | 795 | 751 | 719 | 687 | 627 | 549 | 491 | 428 | 340 | 257 | 164 | 6.87 | 5.16 | 3.62 | 2.94 |
| 20 | 742 | 745 | 757 | 728 | 702 | 678 | 645 | 578 | 513 | 460 | 394 | 310 | 232 | 126 | 6.40 | 4.93 | 3.51 | 2.94 |
| 30 | 667 | 666 | 658 | 643 | 623 | 600 | 560 | 511 | 463 | 410 | 335 | 266 | 194 | 48.8 | 5.82 | 4.60 | 3.37 | 2.94 |
| 40 | 589 | 581 | 568 | 557 | 539 | 513 | 477 | 439 | 392 | 331 | 269 | 207 | 132 | 7.96 | 5.22 | 4.18 | 3.20 | 2.94 |
| 50 | 492 | 483 | 470 | 454 | 434 | 408 | 375 | 338 | 293 | 243 | 189 | 122 | 12.3 | 5.42 | 4.55 | 3.72 | 3.02 | 2.94 |
| 60 | 347 | 340 | 329 | 313 | 287 | 247 | 219 | 205 | 160 | 98.6 | 27.7 | 6.03 | 4.96 | 4.32 | 3.76 | 3.22 | 2.86 | 2.94 |
| 70 | 11.6 | 11.5 | 11.1 | 10.5 | 18.2 | 19.1 | 12.1 | 7.23 | 5.91 | 5.15 | 4.53 | 4.00 | 3.50 | 3.22 | 2.97 | 2.79 | 2.76 | 2.94 |
| 80 | 3.99 | 3.92 | 3.80 | 3.66 | 3.50 | 3.35 | 3.20 | 3.04 | 2.89 | 2.74 | 2.59 | 2.43 | 2.29 | 2.27 | 2.38 | 2.53 | 2.71 | 2.94 |
| 90 | 1.88 | 1.90 | 1.91 | 1.92 | 1.93 | 1.93 | 1.94 | 1.95 | 1.95 | 1.96 | 1.97 | 1.98 | 1.99 | 2.10 | 2.31 | 2.52 | 2.73 | 2.94 |
| 100 | 2.18 | 2.19 | 2.19 | 2.19 | 2.19 | 2.18 | 2.17 | 2.16 | 2.15 | 2.14 | 2.13 | 2.11 | 2.10 | 2.21 | 2.40 | 2.59 | 2.77 | 2.94 |
| 110 | 2.53 | 2.53 | 2.53 | 2.51 | 2.49 | 2.46 | 2.43 | 2.40 | 2.37 | 2.33 | 2.30 | 2.26 | 2.22 | 2.35 | 2.51 | 2.67 | 2.81 | 2.94 |
| 120 | 2.89 | 2.88 | 2.87 | 2.84 | 2.81 | 2.76 | 2.71 | 2.65 | 2.59 | 2.53 | 2.47 | 2.41 | 2.37 | 2.51 | 2.64 | 2.75 | 2.85 | 2.94 |
| 130 | 3.22 | 3.20 | 3.18 | 3.15 | 3.10 | 3.04 | 2.97 | 2.90 | 2.82 | 2.73 | 2.64 | 2.55 | 2.60 | 2.71 | 2.79 | 2.85 | 2.90 | 2.94 |
| 140 | 3.56 | 3.53 | 3.49 | 3.42 | 3.35 | 3.27 | 3.18 | 3.10 | 3.00 | 2.91 | 2.80 | 2.80 | 2.87 | 2.92 | 2.95 | 2.96 | 2.96 | 2.94 |
| 150 | 4.02 | 3.97 | 3.87 | 3.76 | 3.63 | 3.51 | 3.39 | 3.27 | 3.15 | 3.04 | 3.11 | 3.15 | 3.17 | 3.15 | 3.12 | 3.07 | 3.01 | 2.94 |
| 160 | 4.74 | 4.64 | 4.46 | 4.23 | 3.98 | 3.76 | 3.58 | 3.45 | 3.50 | 3.53 | 3.55 | 3.53 | 3.47 | 3.39 | 3.29 | 3.18 | 3.06 | 2.94 |
| 170 | 5.41 | 5.24 | 4.97 | 4.65 | 4.42 | 4.32 | 4.26 | 4.21 | 4.14 | 4.07 | 4.00 | 3.91 | 3.77 | 3.62 | 3.45 | 3.28 | 3.10 | 2.94 |
| 180 | 5.91 | 5.90 | 5.78 | 5.65 | 5.50 | 5.33 | 5.15 | 4.97 | 4.78 | 4.60 | 4.45 | 4.27 | 4.05 | 3.83 | 3.60 | 3.37 | 3.15 | 2.94 |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2012-09-15

V(β) Range:-180 - 180DEG
V(β) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:sales@led321.com