

**Luminaire Photograph**

LED FLOOD LIGHT FL330  
FEELIGHT TECH CO., LIMITED



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

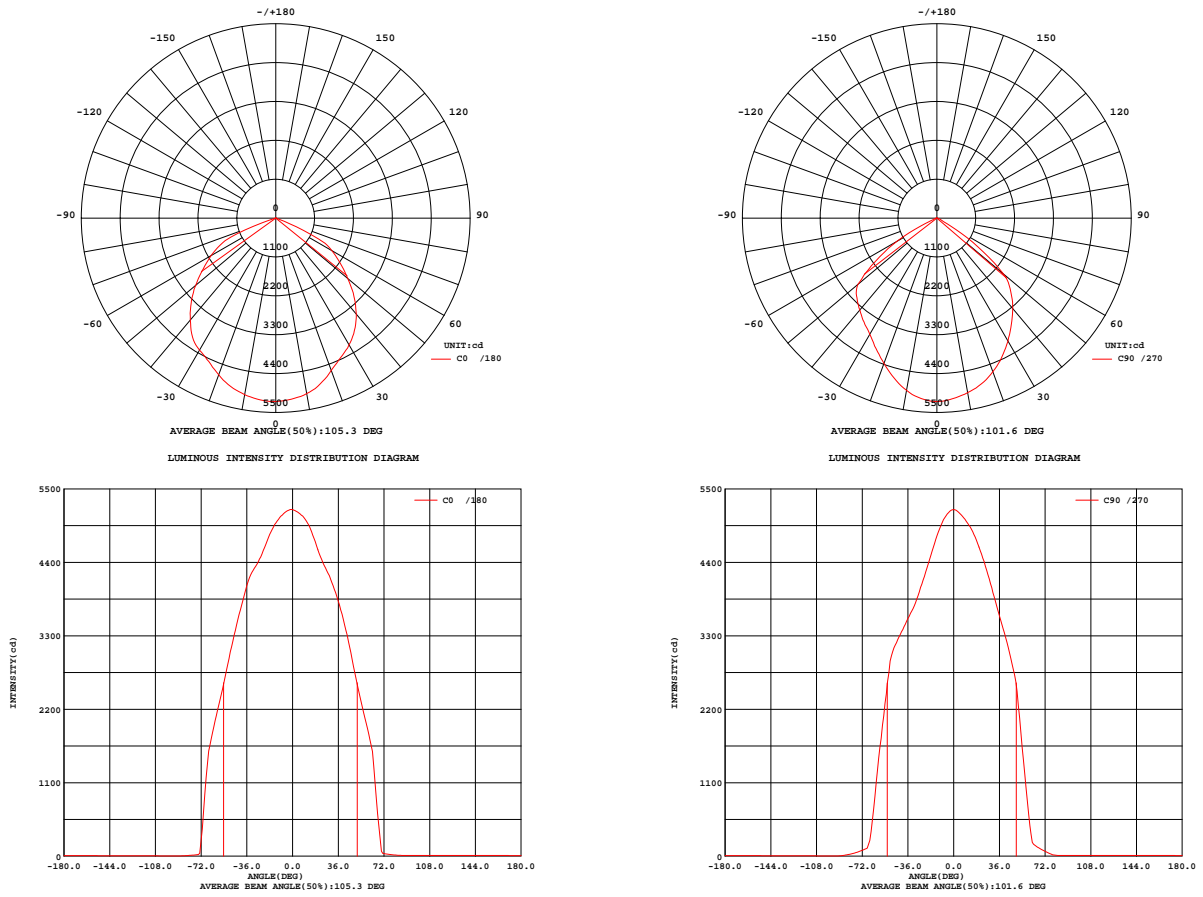


Fig. C0/C180

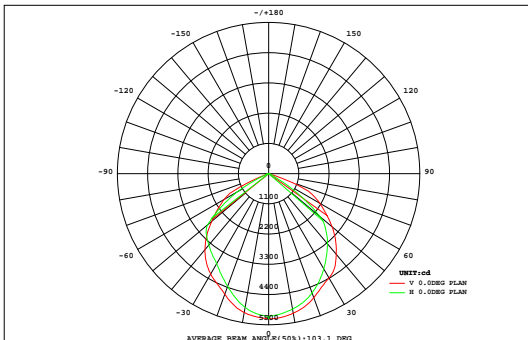
Fig. C90/C270

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |



| DATA OF LAMP     |            | PHOTOMETRIC DATA |            |
|------------------|------------|------------------|------------|
| MODEL            | FL330-150W | Imax(cd)         | 5281       |
| NOMINAL POWER(W) | 160        | AVAILABILITY(%)  | 572.0      |
| RATED VOLTAGE(V) | 234        | Avai. FLUX(lm)   | 11440      |
| NOMINAL FLUX(lm) | 2000.0     | EFFICIENCY(%)    | 582.8      |
| LAMPS INSIDE     | 1          | TOTAL FLUX(lm)   | 11657      |
| TEST VOLTAGE(V)  | 233.3      | θ @50%(H,V)      | 105,101DEG |

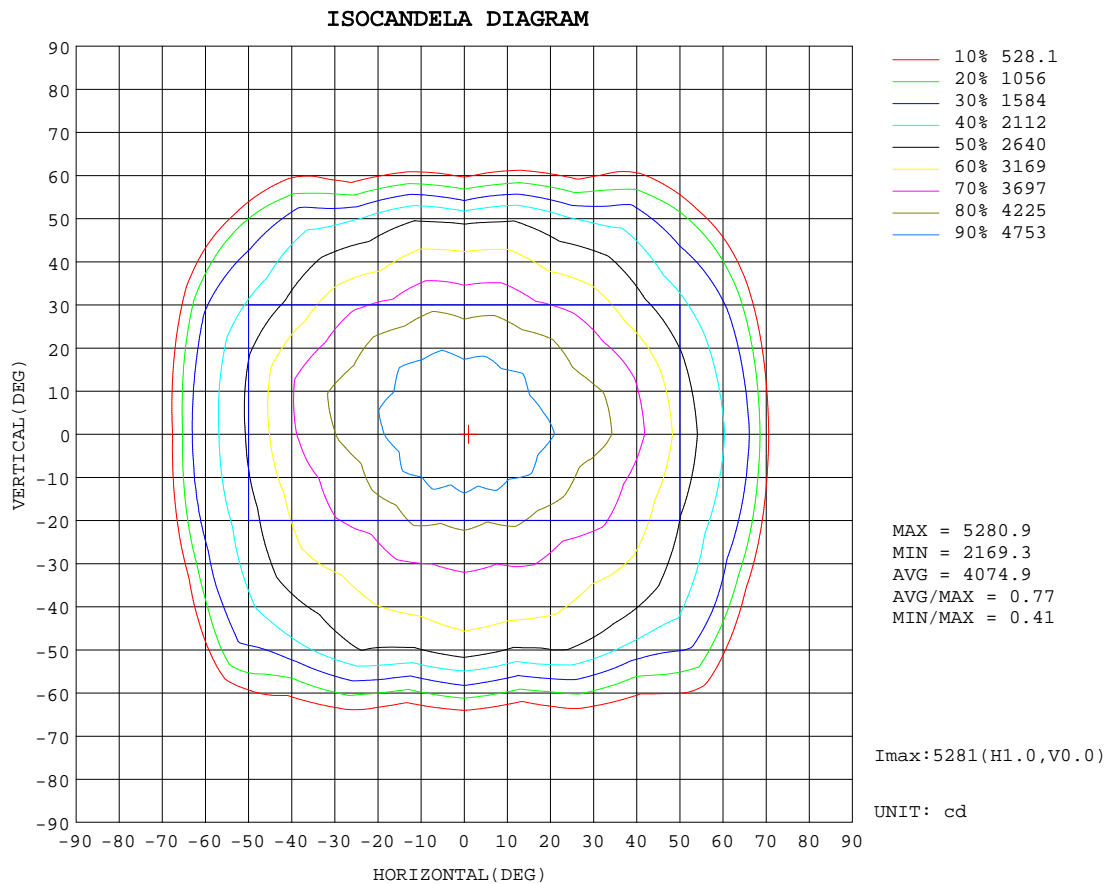
| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a   |       |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|---------|------|------|-------|-------|
|                | 0.03              | 0.09 | 0.15 | 0.20 | 0.25 | 0.28 | 0.32 | 0.35 | 0.35             | 0.36 | 0.36 | 0.32 | 0.28 | 0.25 | 0.20 | 0.15    | 0.09 | 0.02 | 4.04  | 0.00  |
| 90             | 0.03              | 0.09 | 0.15 | 0.20 | 0.25 | 0.28 | 0.32 | 0.35 | 0.35             | 0.36 | 0.36 | 0.32 | 0.28 | 0.25 | 0.20 | 0.15    | 0.09 | 0.02 | 4.04  | 0.00  |
| 80             | 0.03              | 0.10 | 0.17 | 0.27 | 0.48 | 0.77 | 1.18 | 1.66 | 1.59             | 1.66 | 1.84 | 1.33 | 0.83 | 0.49 | 0.28 | 0.17    | 0.09 | 0.02 | 13.0  | 0.00  |
| 70             | 0.03              | 0.12 | 0.25 | 0.52 | 1.73 | 4.26 | 3.71 | 6.06 | 6.28             | 6.62 | 6.92 | 4.62 | 5.56 | 2.38 | 0.49 | 0.25    | 0.11 | 0.02 | 49.9  | 5.14  |
| 60             | 0.03              | 0.15 | 0.39 | 3.30 | 17.6 | 29.5 | 33.8 | 46.8 | 47.7             | 47.9 | 47.9 | 36.1 | 32.0 | 20.7 | 4.86 | 0.38    | 0.14 | 0.02 | 369   | 359   |
| 50             | 0.03              | 0.18 | 1.61 | 17.5 | 37.7 | 56.7 | 70.4 | 84.2 | 90.4             | 90.3 | 84.1 | 70.7 | 57.6 | 38.9 | 20.2 | 2.55    | 0.16 | 0.02 | 723   | 719   |
| 40             | 0.04              | 0.21 | 6.53 | 29.0 | 48.4 | 71.2 | 89.9 | 104  | 113              | 112  | 103  | 89.6 | 71.7 | 49.5 | 30.3 | 8.98    | 0.18 | 0.02 | 927   | 924   |
| 30             | 0.04              | 0.24 | 11.3 | 35.6 | 58.8 | 83.8 | 107  | 124  | 133              | 132  | 122  | 107  | 84.1 | 59.8 | 36.9 | 14.9    | 0.31 | 0.03 | 1111  | 1109  |
| 20             | 0.04              | 0.30 | 13.9 | 39.2 | 67.4 | 95.9 | 118  | 138  | 148              | 146  | 136  | 118  | 96.5 | 68.7 | 41.5 | 18.6    | 0.68 | 0.03 | 1247  | 1245  |
| 10             | 0.04              | 0.30 | 14.8 | 40.1 | 69.2 | 99.6 | 123  | 145  | 156              | 153  | 143  | 124  | 103  | 73.2 | 44.3 | 20.6    | 1.02 | 0.03 | 1310  | 1308  |
| 0              | 0.04              | 0.27 | 14.5 | 39.5 | 67.1 | 94.8 | 118  | 140  | 152              | 154  | 142  | 122  | 100  | 72.3 | 44.2 | 20.6    | 1.02 | 0.02 | 1282  | 1280  |
| -10            | 0.04              | 0.24 | 13.1 | 37.5 | 62.9 | 88.4 | 110  | 128  | 139              | 140  | 131  | 113  | 92.9 | 67.3 | 41.4 | 18.6    | 0.67 | 0.02 | 1184  | 1182  |
| -20            | 0.03              | 0.20 | 9.95 | 34.6 | 58.9 | 82.2 | 98.4 | 114  | 122              | 121  | 116  | 101  | 85.8 | 62.6 | 37.8 | 14.9    | 0.29 | 0.02 | 1060  | 1058  |
| -30            | 0.03              | 0.15 | 5.77 | 31.0 | 53.2 | 72.3 | 88.2 | 101  | 107              | 107  | 103  | 91.1 | 75.5 | 56.6 | 34.1 | 9.58    | 0.14 | 0.02 | 935   | 932   |
| -40            | 0.03              | 0.12 | 2.79 | 24.6 | 43.2 | 60.9 | 77.8 | 87.3 | 94.4             | 94.8 | 88.7 | 80.1 | 63.3 | 45.3 | 27.5 | 4.41    | 0.11 | 0.02 | 796   | 792   |
| -50            | 0.02              | 0.08 | 0.76 | 12.5 | 24.5 | 37.3 | 51.3 | 53.4 | 60.4             | 60.1 | 52.8 | 50.5 | 36.5 | 24.5 | 14.2 | 1.24    | 0.08 | 0.02 | 480   | 474   |
| -60            | 0.02              | 0.06 | 0.18 | 1.26 | 3.70 | 7.76 | 12.3 | 10.3 | 13.1             | 13.0 | 9.84 | 11.6 | 7.14 | 4.02 | 2.12 | 0.21    | 0.06 | 0.01 | 96.6  | 53.2  |
| -70            | 0.02              | 0.04 | 0.10 | 0.21 | 0.34 | 0.78 | 1.25 | 1.45 | 1.85             | 1.90 | 1.59 | 1.42 | 0.94 | 0.44 | 0.24 | 0.12    | 0.04 | 0.01 | 12.7  | 0.00  |
| -80            | 0.02              | 0.04 | 0.06 | 0.09 | 0.12 | 0.24 | 0.33 | 0.35 | 0.48             | 0.50 | 0.39 | 0.40 | 0.30 | 0.14 | 0.11 | 0.07    | 0.04 | 0.01 | 3.70  | 0.00  |
| -90            | 0.02              | 0.04 | 0.06 | 0.09 | 0.12 | 0.24 | 0.33 | 0.35 | 0.48             | 0.50 | 0.39 | 0.40 | 0.30 | 0.14 | 0.11 | 0.07    | 0.04 | 0.01 | 3.70  | 0.00  |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80      | 90   |      |       |       |
| Φ t            | 0.57              | 2.87 | 96.3 | 347  | 615  | 887  | 1106 | 1285 | 1386             | 1382 | 1290 | 1122 | 914  | 647  | 381  | 136     | 5.23 | 0.37 | 11604 | ---   |
| Φ a            | 0.00              | 0.00 | 83.7 | 339  | 607  | 876  | 1094 | 1272 | 1372             | 1368 | 1276 | 1110 | 903  | 638  | 373  | 127     | 0.44 | 0.00 | ---   | 11440 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

ISOCANDELA DIAGRAM

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |

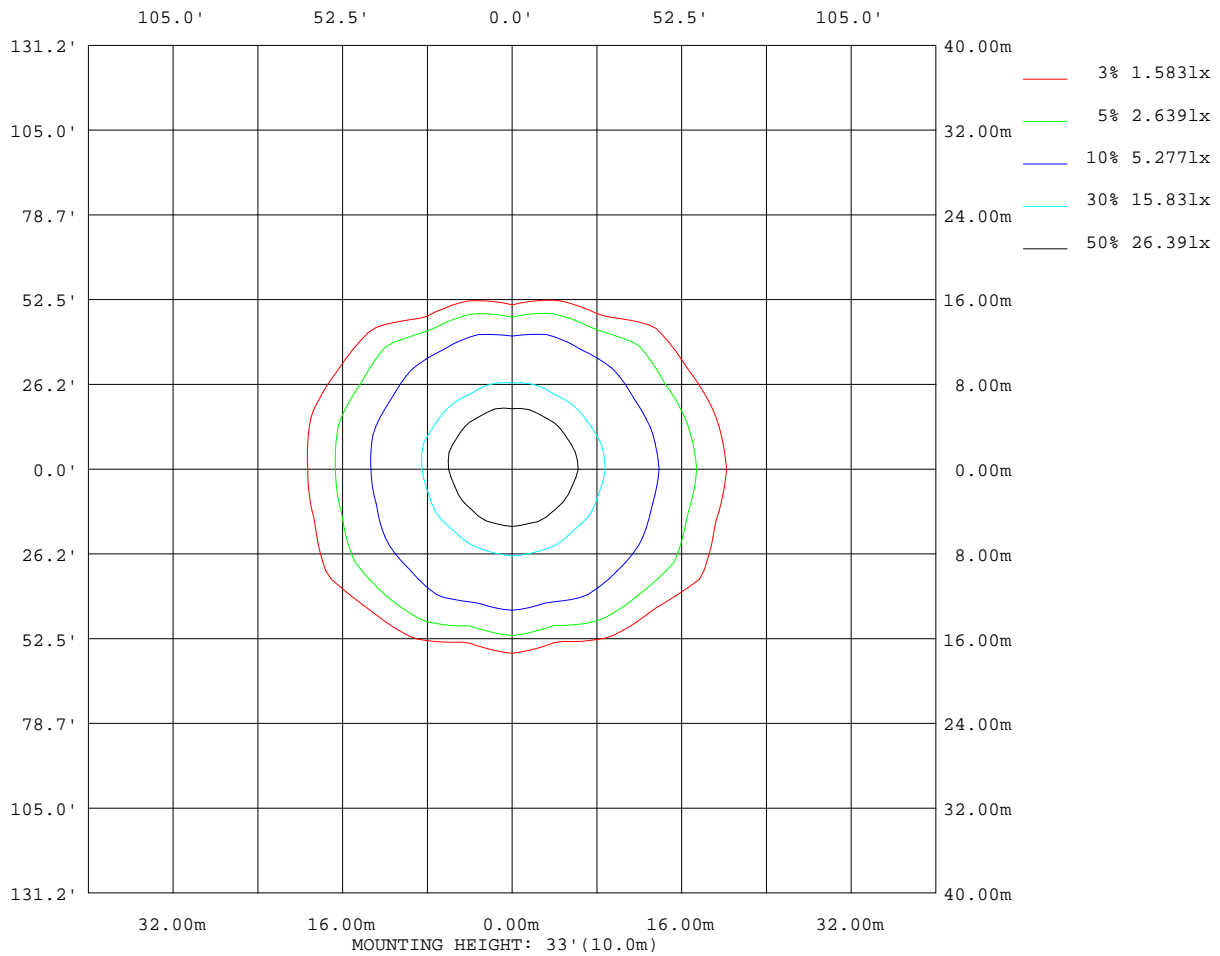


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XH  
 Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
 Humidity:65.0%  
 Test Distance:5.200m [K=1.0000]  
 Remarks: FL330-150W, 90LM/W LED

ISOLUX DIAGRAM

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |



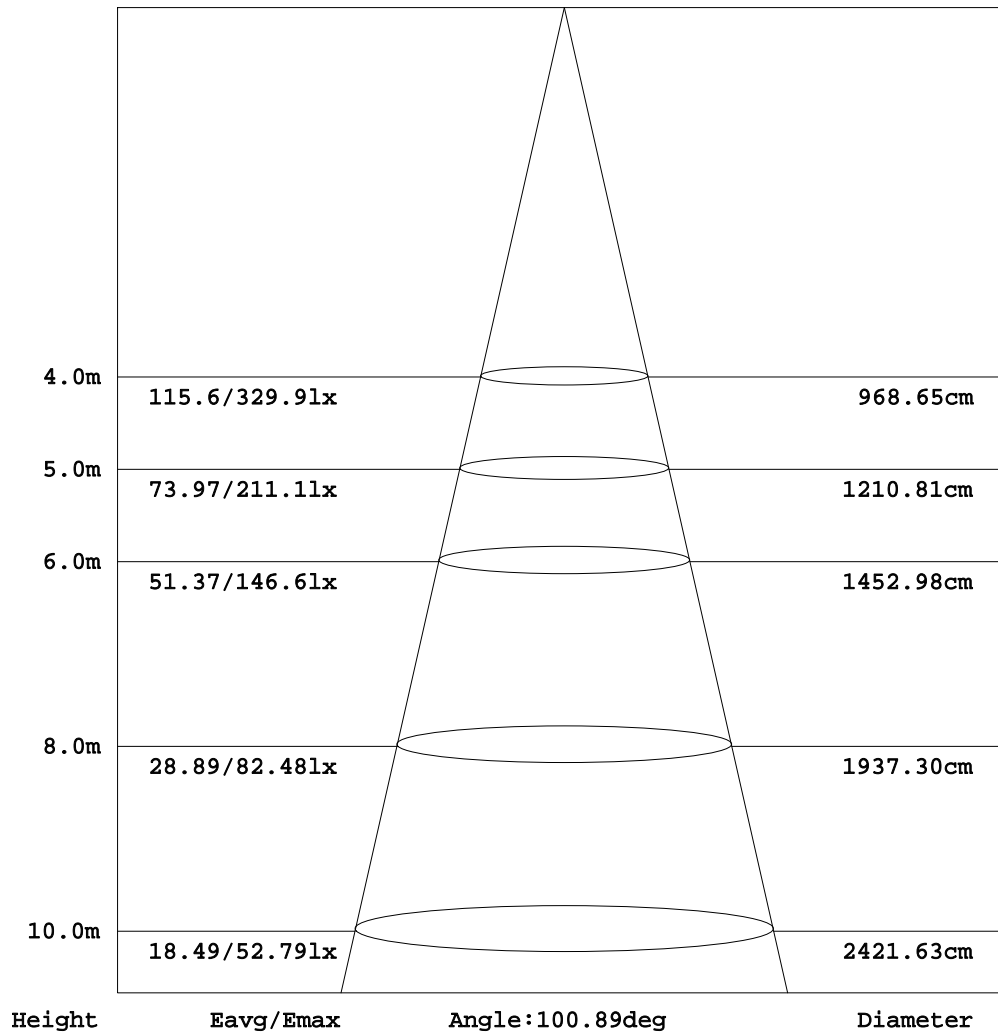
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

AAI Figure

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |

Flux out:8859 lm



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: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |

Table--1

UNIT: cd

| H( DEG)<br>V( DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180               | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.7 | 11.6 | 11.4 | 11.1 | 10.8 | 10.5 | 10.3 | 10.1 | 10.1 | 10.0 | 9.91 | 9.75 | 9.37 | 9.02 |
| -170               | 11.8 | 11.4 | 10.9 | 10.5 | 10.1 | 9.68 | 9.23 | 8.76 | 8.23 | 7.73 | 7.25 | 6.81 | 6.82 | 7.12 | 7.41 | 7.78 | 8.35 | 8.52 | 8.64 |
| -160               | 11.8 | 10.9 | 10.1 | 9.30 | 8.51 | 7.72 | 6.95 | 6.20 | 5.80 | 5.96 | 6.13 | 6.28 | 6.44 | 6.73 | 7.10 | 7.38 | 7.63 | 7.93 | 7.86 |
| -150               | 11.8 | 10.5 | 9.28 | 8.10 | 6.97 | 5.85 | 5.21 | 5.40 | 5.58 | 5.74 | 5.87 | 6.05 | 6.24 | 6.42 | 6.59 | 6.77 | 7.02 | 7.13 | 7.09 |
| -140               | 11.8 | 10.2 | 8.54 | 7.00 | 5.53 | 4.85 | 5.00 | 5.15 | 5.29 | 5.47 | 5.66 | 5.82 | 5.94 | 6.05 | 6.15 | 6.35 | 6.55 | 6.57 | 6.56 |
| -130               | 11.8 | 9.83 | 7.89 | 6.02 | 4.49 | 4.64 | 4.77 | 4.88 | 5.03 | 5.20 | 5.37 | 5.51 | 5.60 | 5.67 | 5.80 | 5.93 | 6.02 | 6.03 | 6.02 |
| -120               | 11.8 | 9.56 | 7.34 | 5.19 | 4.31 | 4.40 | 4.49 | 4.59 | 4.76 | 4.90 | 5.03 | 5.11 | 5.17 | 5.25 | 5.36 | 5.47 | 5.51 | 5.51 | 5.50 |
| -110               | 11.8 | 9.36 | 6.93 | 4.54 | 4.14 | 4.18 | 4.21 | 4.30 | 4.41 | 4.52 | 4.60 | 4.64 | 4.67 | 4.76 | 4.86 | 4.95 | 4.96 | 4.95 | 4.93 |
| -100               | 11.8 | 9.23 | 6.65 | 4.09 | 3.98 | 3.99 | 3.98 | 4.04 | 4.10 | 4.15 | 4.17 | 4.18 | 4.19 | 4.25 | 4.32 | 4.39 | 4.40 | 4.40 | 4.40 |
| -90                | 11.8 | 9.18 | 6.53 | 3.88 | 3.92 | 3.96 | 4.00 | 4.00 | 3.99 | 3.99 | 4.21 | 4.43 | 4.65 | 4.49 | 4.33 | 4.17 | 4.49 | 4.80 | 5.11 |
| -80                | 11.8 | 9.22 | 6.65 | 4.07 | 4.68 | 5.87 | 7.40 | 7.78 | 8.00 | 8.19 | 12.4 | 17.6 | 23.3 | 24.2 | 24.5 | 24.6 | 28.9 | 33.2 | 37.2 |
| -70                | 11.8 | 9.39 | 7.04 | 5.24 | 7.27 | 10.3 | 13.8 | 16.4 | 19.3 | 23.5 | 33.0 | 47.7 | 64.7 | 72.7 | 75.7 | 78.6 | 85.7 | 95.1 | 103  |
| -60                | 11.8 | 9.64 | 7.99 | 8.35 | 11.4 | 16.3 | 38.0 | 252  | 447  | 590  | 629  | 841  | 1037 | 1121 | 1064 | 956  | 1023 | 1179 | 1288 |
| -50                | 11.8 | 9.96 | 9.75 | 12.3 | 15.9 | 64.2 | 420  | 1239 | 1504 | 1614 | 1840 | 2130 | 2336 | 2590 | 2589 | 2568 | 2629 | 2794 | 2917 |
| -40                | 11.8 | 10.4 | 11.9 | 16.7 | 21.8 | 131  | 981  | 1661 | 2015 | 2288 | 2510 | 2682 | 2854 | 3027 | 3163 | 3220 | 3250 | 3332 | 3385 |
| -30                | 11.8 | 10.9 | 14.2 | 21.0 | 31.2 | 474  | 1451 | 1892 | 2263 | 2621 | 2940 | 3126 | 3247 | 3360 | 3513 | 3659 | 3694 | 3735 | 3787 |
| -20                | 11.8 | 11.5 | 16.4 | 25.0 | 48.4 | 854  | 1677 | 2051 | 2429 | 2836 | 3180 | 3451 | 3665 | 3780 | 3903 | 4129 | 4306 | 4271 | 4367 |
| -10                | 11.8 | 12.0 | 18.2 | 28.5 | 84.0 | 1082 | 1810 | 2204 | 2614 | 3034 | 3377 | 3645 | 3899 | 4120 | 4382 | 4648 | 4746 | 4886 | 4939 |
| 0                  | 11.8 | 12.5 | 19.5 | 31.0 | 76.0 | 1125 | 1859 | 2267 | 2708 | 3180 | 3607 | 3949 | 4216 | 4425 | 4667 | 4940 | 5129 | 5227 | 5277 |
| 10                 | 11.8 | 12.5 | 19.3 | 30.7 | 116  | 1131 | 1851 | 2265 | 2723 | 3210 | 3658 | 4034 | 4275 | 4429 | 4610 | 4819 | 5012 | 5028 | 5001 |
| 20                 | 11.8 | 12.4 | 18.6 | 29.1 | 95.7 | 969  | 1757 | 2157 | 2567 | 2961 | 3322 | 3616 | 3872 | 4137 | 4376 | 4528 | 4632 | 4727 | 4618 |
| 30                 | 11.8 | 12.3 | 17.3 | 26.7 | 41.7 | 620  | 1526 | 1873 | 2169 | 2485 | 2790 | 3124 | 3400 | 3625 | 3741 | 3850 | 4046 | 4095 | 4012 |
| 40                 | 11.8 | 12.1 | 15.7 | 23.4 | 33.1 | 161  | 809  | 1454 | 1722 | 2004 | 2321 | 2603 | 2797 | 2917 | 3019 | 3212 | 3367 | 3371 | 3333 |
| 50                 | 11.8 | 12.0 | 14.1 | 19.6 | 26.6 | 34.3 | 95.9 | 466  | 1054 | 1377 | 1747 | 1871 | 1916 | 2070 | 2311 | 2490 | 2578 | 2528 | 2462 |
| 60                 | 11.8 | 11.9 | 12.7 | 15.9 | 19.8 | 23.7 | 28.8 | 37.2 | 59.9 | 225  | 459  | 506  | 386  | 339  | 494  | 640  | 670  | 589  | 455  |
| 70                 | 11.8 | 11.8 | 12.0 | 12.9 | 14.3 | 15.5 | 17.0 | 20.6 | 27.2 | 36.2 | 45.9 | 54.9 | 63.3 | 74.2 | 87.2 | 100  | 100  | 96.5 | 91.4 |
| 80                 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.6 | 11.8 | 12.3 | 13.1 | 13.4 | 13.1 | 12.7 | 14.5 | 17.0 | 19.6 | 18.5 | 16.8 | 14.8 |
| 90                 | 11.8 | 11.7 | 11.7 | 11.6 | 11.5 | 11.5 | 11.4 | 11.3 | 11.2 | 11.1 | 11.1 | 11.1 | 11.0 | 10.9 | 10.9 | 10.8 | 10.8 | 10.8 | 10.8 |
| 100                | 11.8 | 11.7 | 11.7 | 11.6 | 11.6 | 11.5 | 11.5 | 11.4 | 11.3 | 11.3 | 11.3 | 11.3 | 11.2 | 11.2 | 11.2 | 11.1 | 11.1 | 11.1 | 11.1 |
| 110                | 11.8 | 11.8 | 11.7 | 11.6 | 11.6 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | 11.4 | 11.5 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 120                | 11.8 | 11.8 | 11.7 | 11.7 | 11.6 | 11.6 | 11.6 | 11.6 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | 11.4 |
| 130                | 11.8 | 11.8 | 11.7 | 11.7 | 11.6 | 11.6 | 11.6 | 11.6 | 11.5 | 11.5 | 11.5 | 11.4 | 11.3 | 11.3 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 140                | 11.8 | 11.8 | 11.7 | 11.7 | 11.7 | 11.6 | 11.6 | 11.6 | 11.5 | 11.4 | 11.3 | 11.2 | 11.0 | 10.9 | 10.8 | 10.9 | 10.9 | 10.9 | 10.9 |
| 150                | 11.8 | 11.8 | 11.8 | 11.7 | 11.7 | 11.7 | 11.6 | 11.5 | 11.4 | 11.2 | 11.0 | 10.8 | 10.7 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 160                | 11.8 | 11.8 | 11.8 | 11.8 | 11.7 | 11.7 | 11.6 | 11.4 | 11.3 | 11.0 | 10.7 | 10.5 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.2 |
| 170                | 11.8 | 11.8 | 11.8 | 11.8 | 11.7 | 11.7 | 11.6 | 11.4 | 11.1 | 10.9 | 10.6 | 10.4 | 10.2 | 10.1 | 10.0 | 10.0 | 10.0 | 9.98 | 9.84 |
| 180                | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.7 | 11.6 | 11.4 | 11.1 | 10.8 | 10.5 | 10.3 | 10.1 | 10.1 | 10.0 | 9.91 | 9.75 | 9.37 | 8.94 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                |                   |
|--|----------------|-------------------|
| Test:U:232.1V I:0.6990A P:156.8W PF:0.9640 Lamp Flux:2000x1 lm |                |                   |
| NAME: LED FLOOD LIGHT  | TYPE:FL330     | WEIGHT:           |
| DIMENSION:   | SPECIFICATION: | SERIAL No.:       |
| MANUFACTURER: FEELIGHT TECH CO., LIMITED                       | SURFACE:       | PROTECTION ANGLE: |

Table--2

UNIT: cd

| H( DEG)<br>V( DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180               | 8.82 | 8.61 | 8.25 | 7.83 | 7.43 | 7.03 | 6.68 | 6.42 | 6.17 | 5.99 | 5.82 | 5.59 | 5.38 | 5.13 | 4.84 | 4.56 | 4.33 | 4.23 |
| -170               | 8.71 | 8.74 | 8.22 | 7.84 | 7.51 | 7.16 | 6.82 | 6.54 | 6.27 | 6.05 | 5.86 | 5.62 | 5.40 | 5.15 | 4.85 | 4.57 | 4.34 | 4.23 |
| -160               | 8.02 | 7.90 | 7.78 | 7.59 | 7.24 | 6.93 | 6.70 | 6.46 | 6.24 | 6.04 | 5.85 | 5.63 | 5.39 | 5.14 | 4.84 | 4.57 | 4.33 | 4.23 |
| -150               | 7.20 | 7.20 | 7.15 | 7.08 | 6.96 | 6.77 | 6.52 | 6.28 | 6.09 | 5.90 | 5.71 | 5.55 | 5.34 | 5.08 | 4.80 | 4.54 | 4.32 | 4.23 |
| -140               | 6.63 | 6.67 | 6.62 | 6.55 | 6.48 | 6.38 | 6.24 | 6.05 | 5.84 | 5.69 | 5.54 | 5.38 | 5.22 | 4.99 | 4.74 | 4.51 | 4.31 | 4.23 |
| -130               | 6.07 | 6.10 | 6.07 | 6.01 | 5.95 | 5.91 | 5.84 | 5.76 | 5.60 | 5.46 | 5.31 | 5.18 | 5.03 | 4.86 | 4.66 | 4.46 | 4.28 | 4.23 |
| -120               | 5.55 | 5.59 | 5.59 | 5.54 | 5.49 | 5.46 | 5.44 | 5.42 | 5.31 | 5.18 | 5.03 | 4.91 | 4.80 | 4.70 | 4.56 | 4.41 | 4.26 | 4.23 |
| -110               | 4.99 | 5.04 | 5.06 | 5.02 | 4.98 | 4.94 | 4.96 | 4.96 | 4.93 | 4.83 | 4.73 | 4.65 | 4.59 | 4.53 | 4.46 | 4.34 | 4.24 | 4.23 |
| -100               | 4.44 | 4.48 | 4.51 | 4.50 | 4.47 | 4.46 | 4.49 | 4.53 | 4.56 | 4.51 | 4.47 | 4.43 | 4.41 | 4.39 | 4.36 | 4.28 | 4.24 | 4.23 |
| -90                | 4.85 | 4.59 | 4.32 | 4.67 | 5.02 | 5.38 | 5.04 | 4.71 | 4.38 | 4.45 | 4.52 | 4.60 | 4.50 | 4.40 | 4.31 | 4.28 | 4.26 | 4.23 |
| -80                | 34.4 | 31.3 | 28.1 | 28.5 | 28.7 | 28.2 | 21.5 | 15.3 | 9.94 | 9.19 | 8.66 | 8.18 | 6.68 | 5.44 | 4.56 | 4.47 | 4.34 | 4.23 |
| -70                | 96.9 | 89.4 | 83.7 | 81.8 | 79.7 | 72.5 | 56.4 | 41.4 | 35.2 | 26.0 | 19.9 | 15.7 | 11.3 | 8.16 | 5.99 | 5.16 | 4.55 | 4.23 |
| -60                | 1173 | 1008 | 923  | 1011 | 1092 | 978  | 786  | 588  | 550  | 539  | 385  | 99.3 | 18.6 | 12.1 | 8.43 | 6.32 | 4.88 | 4.23 |
| -50                | 2789 | 2624 | 2569 | 2635 | 2583 | 2374 | 2119 | 1847 | 1671 | 1602 | 1295 | 615  | 98.6 | 15.9 | 11.4 | 7.83 | 5.31 | 4.23 |
| -40                | 3350 | 3306 | 3287 | 3249 | 3137 | 2969 | 2811 | 2653 | 2429 | 2168 | 1814 | 1296 | 384  | 20.9 | 14.4 | 9.49 | 5.78 | 4.23 |
| -30                | 3736 | 3719 | 3719 | 3606 | 3453 | 3374 | 3253 | 3071 | 2800 | 2438 | 2061 | 1646 | 949  | 85.7 | 17.2 | 11.1 | 6.23 | 4.23 |
| -20                | 4252 | 4307 | 4195 | 4027 | 3901 | 3797 | 3619 | 3349 | 3023 | 2637 | 2247 | 1877 | 1418 | 331  | 19.9 | 12.4 | 6.60 | 4.23 |
| -10                | 4914 | 4786 | 4722 | 4512 | 4254 | 4068 | 3868 | 3572 | 3258 | 2868 | 2447 | 2054 | 1617 | 576  | 21.9 | 13.3 | 6.85 | 4.23 |
| 0                  | 5249 | 5158 | 5016 | 4801 | 4556 | 4388 | 4181 | 3826 | 3442 | 3009 | 2551 | 2144 | 1692 | 687  | 22.9 | 13.8 | 6.98 | 4.23 |
| 10                 | 4953 | 4910 | 4749 | 4573 | 4395 | 4272 | 4090 | 3725 | 3326 | 2887 | 2452 | 2053 | 1614 | 573  | 23.6 | 14.3 | 7.28 | 4.23 |
| 20                 | 4665 | 4542 | 4467 | 4329 | 4104 | 3877 | 3640 | 3341 | 3009 | 2634 | 2249 | 1876 | 1407 | 327  | 23.2 | 14.3 | 7.44 | 4.23 |
| 30                 | 4057 | 3995 | 3814 | 3698 | 3586 | 3389 | 3131 | 2825 | 2539 | 2231 | 1929 | 1616 | 947  | 76.1 | 22.0 | 13.9 | 7.45 | 4.23 |
| 40                 | 3364 | 3362 | 3208 | 3016 | 2922 | 2805 | 2634 | 2367 | 2053 | 1769 | 1520 | 1071 | 277  | 29.4 | 20.2 | 12.9 | 7.34 | 4.23 |
| 50                 | 2526 | 2576 | 2494 | 2318 | 2124 | 1971 | 1916 | 1801 | 1479 | 1208 | 682  | 161  | 30.9 | 24.6 | 18.0 | 11.8 | 7.14 | 4.23 |
| 60                 | 608  | 711  | 706  | 588  | 442  | 498  | 610  | 604  | 363  | 95.7 | 33.5 | 26.1 | 22.3 | 19.3 | 15.3 | 10.6 | 6.93 | 4.23 |
| 70                 | 99.5 | 106  | 109  | 96.2 | 83.4 | 70.8 | 58.1 | 46.0 | 35.4 | 26.8 | 20.3 | 16.9 | 15.6 | 14.5 | 13.0 | 9.68 | 6.74 | 4.23 |
| 80                 | 18.0 | 20.8 | 22.8 | 19.5 | 16.3 | 13.8 | 13.8 | 14.0 | 13.8 | 12.8 | 12.0 | 11.5 | 11.8 | 11.8 | 11.6 | 9.07 | 6.62 | 4.23 |
| 90                 | 10.8 | 10.7 | 10.7 | 10.8 | 10.8 | 10.9 | 10.9 | 11.0 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 11.2 | 11.2 | 8.88 | 6.56 | 4.23 |
| 100                | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.3 | 11.2 | 11.2 | 11.0 | 8.76 | 6.49 | 4.23 |
| 110                | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.3 | 11.3 | 11.2 | 10.8 | 8.59 | 6.38 | 4.23 |
| 120                | 11.4 | 11.4 | 11.4 | 11.4 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.3 | 11.2 | 10.3 | 8.29 | 6.22 | 4.23 |
| 130                | 11.2 | 11.2 | 11.2 | 11.3 | 11.3 | 11.4 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.3 | 11.3 | 9.70 | 7.87 | 6.02 | 4.23 |
| 140                | 10.9 | 11.0 | 11.0 | 11.1 | 11.2 | 11.2 | 11.3 | 11.4 | 11.4 | 11.5 | 11.4 | 11.4 | 11.3 | 10.5 | 8.94 | 7.36 | 5.75 | 4.23 |
| 150                | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.2 | 11.3 | 11.3 | 11.3 | 10.6 | 9.32 | 8.04 | 6.75 | 5.45 | 4.23 |
| 160                | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 10.6 | 9.81 | 8.94 | 8.02 | 7.05 | 6.07 | 5.10 | 4.23 |
| 170                | 9.85 | 10.0 | 10.1 | 10.1 | 10.2 | 10.2 | 10.1 | 9.64 | 9.18 | 8.73 | 8.27 | 7.74 | 7.20 | 6.61 | 5.97 | 5.34 | 4.73 | 4.23 |
| 180                | 8.82 | 8.61 | 8.25 | 7.83 | 7.43 | 7.03 | 6.68 | 6.42 | 6.17 | 5.99 | 5.82 | 5.59 | 5.38 | 5.13 | 4.84 | 4.56 | 4.33 | 4.23 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XH  
Test Date:2012-03-07

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:5.200m [K=1.0000]  
Remarks: FL330-150W, 90LM/W LED



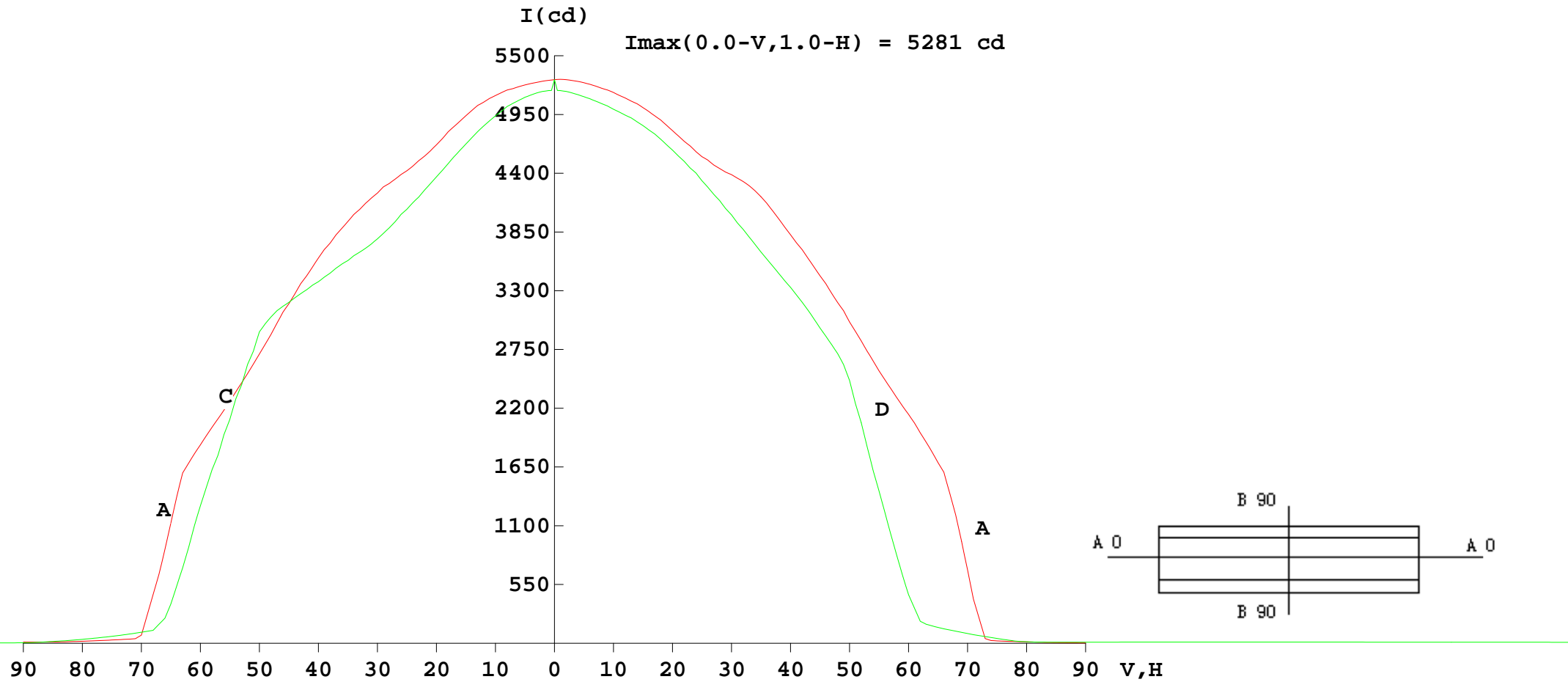
50% Beam Angle : 105°-H X 101°-V

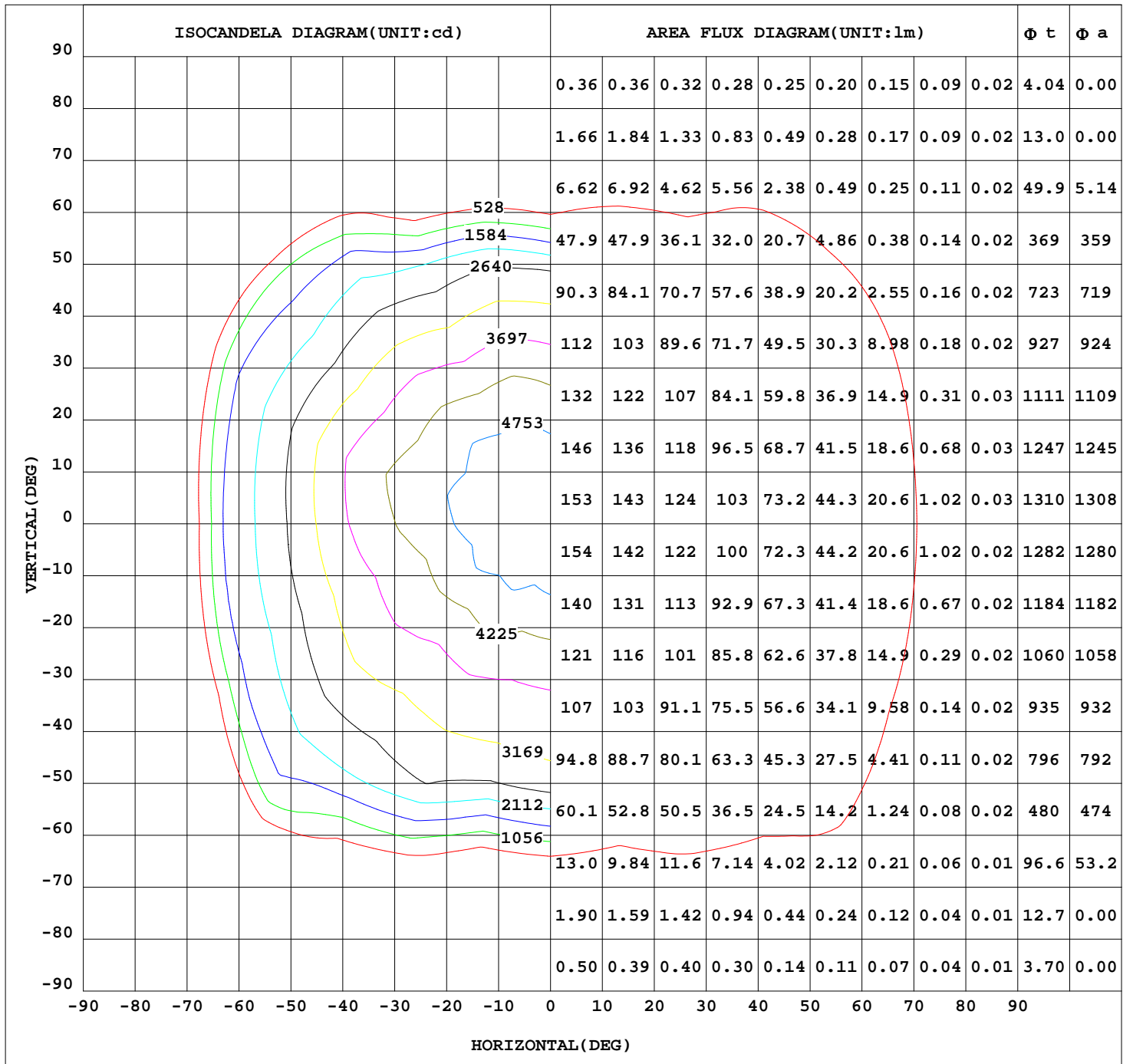
TOTAL FLUX : 11657 lm

EFFICIENCY : 582.8%

AVAILABILITY FLUX : 11440 lm

AVAILABILITY : 572.0%





|     |      |      |      |     |     |     |      |      |      |      |      |      |     |     |     |     |      |      |       |     |       |
|-----|------|------|------|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|-----|------|------|-------|-----|-------|
| Φ t | 0.57 | 2.87 | 96.3 | 347 | 615 | 887 | 1106 | 1285 | 1386 | 1382 | 1290 | 1122 | 914 | 647 | 381 | 136 | 5.23 | 0.37 | 11604 | --- |       |
| Φ a | 0    | 0    | 83.7 | 339 | 607 | 876 | 1094 | 1272 | 1372 | 1368 | 1276 | 1110 | 903 | 638 | 373 | 127 | 0.44 | 0.40 | 0     | --- | 11440 |