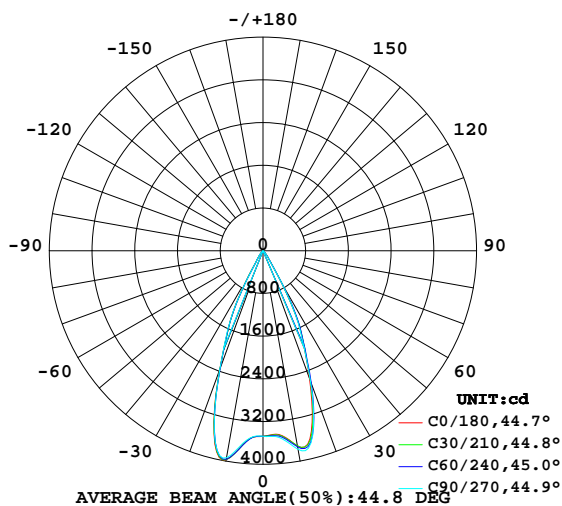


LUMINAIRE PHOTOMETRIC TEST REPORT

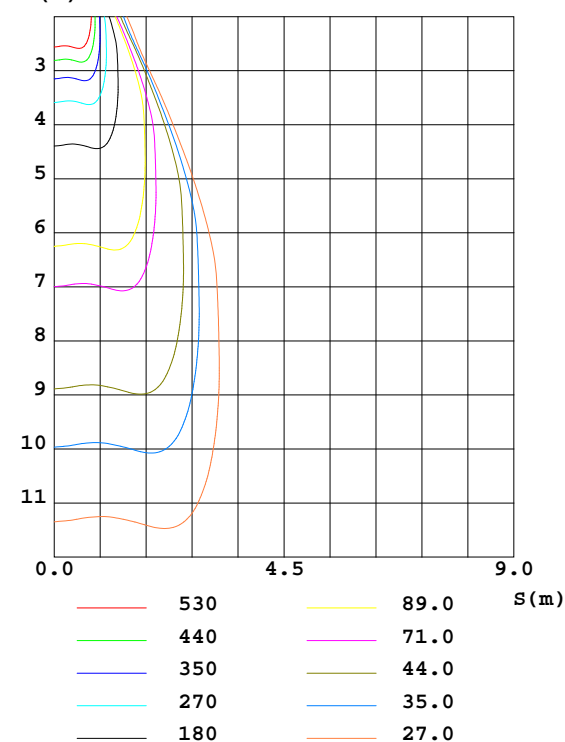
| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 82.72 lm/W | | | |
|------------------|-------------------|----------------------------------|--------|-------------------|----------|
| MODEL | TL18-30W-827-W-45 | Imax(cd) | 3991 | S/MH(C0/180) | 0.74 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.74 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2266.4 | η UP,DN(C0-180) | 1.3,50.1 |
| NOMINAL FLUX(lm) | 2266.4 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,47.2 |
| LAMPS INSIDE | 1 | η up(%) | 2.7 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 226.5 | η down(%) | 97.3 | CIBSE SHR MAX | 0.70 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZhangXiao
 Test Date:2016-09-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:6.590m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|---------------|
| 10 | 3711 | 3716 | 3774 | 3887 | 3974 | 3969 | 3935 | 3843 | 0- 10 | 348.5 | 348.5 | 15.4,15.4 |
| 20 | 2557 | 2665 | 2610 | 2517 | 2379 | 2332 | 2367 | 2413 | 10- 20 | 943.9 | 1292 | 57,57 |
| 30 | 701.0 | 773.6 | 701.6 | 646.6 | 536.8 | 472.5 | 478.1 | 577.5 | 20- 30 | 689.2 | 1982 | 87.4,87.4 |
| 40 | 107.7 | 105.5 | 97.68 | 89.08 | 84.05 | 82.88 | 88.50 | 95.89 | 30- 40 | 139.7 | 2121 | 93.6,93.6 |
| 50 | 31.22 | 30.65 | 28.73 | 26.56 | 25.66 | 25.54 | 26.81 | 28.59 | 40- 50 | 39.68 | 2161 | 95.4,95.4 |
| 60 | 15.25 | 15.48 | 15.46 | 15.04 | 14.21 | 14.23 | 14.33 | 14.75 | 50- 60 | 17.87 | 2179 | 96.1,96.1 |
| 70 | 10.31 | 10.32 | 10.21 | 10.20 | 9.556 | 9.742 | 10.14 | 9.731 | 60- 70 | 12.10 | 2191 | 96.7,96.7 |
| 80 | 7.039 | 6.931 | 6.868 | 7.016 | 6.758 | 6.919 | 7.288 | 6.923 | 70- 80 | 8.860 | 2200 | 97.1,97.1 |
| 90 | 4.571 | 4.409 | 4.361 | 5.079 | 5.239 | 5.329 | 5.590 | 5.602 | 80- 90 | 6.363 | 2206 | 97.3,97.3 |
| 100 | 4.176 | 4.157 | 4.160 | 4.379 | 5.484 | 5.487 | 5.582 | 5.658 | 90-100 | 5.331 | 2212 | 97.6,97.6 |
| 110 | 4.651 | 4.594 | 4.605 | 4.715 | 6.176 | 6.234 | 6.247 | 6.120 | 100-110 | 5.327 | 2217 | 97.8,97.8 |
| 120 | 6.880 | 6.747 | 6.827 | 6.979 | 8.112 | 8.240 | 8.171 | 8.015 | 110-120 | 6.259 | 2223 | 98.1,98.1 |
| 130 | 10.41 | 10.25 | 10.32 | 10.47 | 11.18 | 11.32 | 11.26 | 11.12 | 120-130 | 8.131 | 2231 | 98.5,98.5 |
| 140 | 13.97 | 13.85 | 13.90 | 14.06 | 14.64 | 14.75 | 14.66 | 14.56 | 130-140 | 9.673 | 2241 | 98.9,98.9 |
| 150 | 17.20 | 17.14 | 17.17 | 17.30 | 17.73 | 17.78 | 17.70 | 17.64 | 140-150 | 9.985 | 2251 | 99.3,99.3 |
| 160 | 18.59 | 18.57 | 18.54 | 18.54 | 18.82 | 18.79 | 18.72 | 18.77 | 150-160 | 8.437 | 2259 | 99.7,99.7 |
| 170 | 18.18 | 18.16 | 18.10 | 18.10 | 18.44 | 18.39 | 18.28 | 18.29 | 160-170 | 5.236 | 2265 | 99.9,99.9 |
| 180 | 18.81 | 18.82 | 18.77 | 18.77 | 18.81 | 18.82 | 18.77 | 18.77 | 170-180 | 1.752 | 2266 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

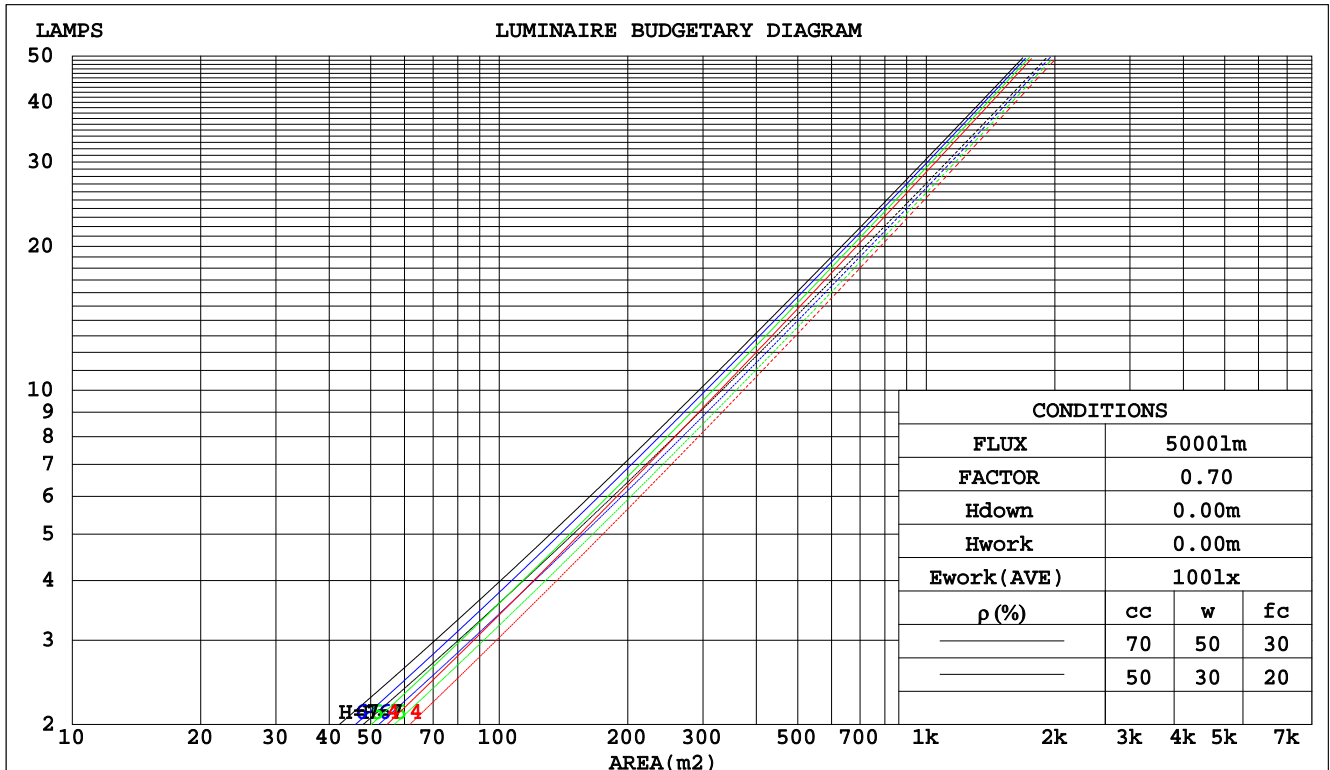
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.04 | 1.04 | 1.04 | .00 | .00 | .00 | .97 |
| 1.0 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.01 | .00 | .98 | .97 | .96 | .95 | .94 | .92 |
| 2.0 | 1.04 | 1.00 | .97 | 1.02 | .99 | .96 | .99 | .96 | .94 | .95 | .93 | .91 | .92 | .90 | .89 | .87 |
| 3.0 | .98 | .94 | .90 | .97 | .93 | .89 | .94 | .90 | .88 | .91 | .88 | .86 | .88 | .86 | .84 | .83 |
| 4.0 | .93 | .88 | .84 | .92 | .87 | .84 | .89 | .85 | .82 | .87 | .84 | .81 | .85 | .82 | .80 | .79 |
| 5.0 | .88 | .83 | .79 | .87 | .82 | .79 | .85 | .81 | .78 | .83 | .80 | .77 | .81 | .78 | .76 | .75 |
| 6.0 | .84 | .79 | .75 | .83 | .78 | .75 | .81 | .77 | .74 | .80 | .76 | .73 | .78 | .75 | .72 | .71 |
| 7.0 | .80 | .75 | .71 | .79 | .74 | .71 | .78 | .73 | .70 | .76 | .72 | .70 | .75 | .72 | .69 | .68 |
| 8.0 | .76 | .71 | .67 | .76 | .71 | .67 | .74 | .70 | .67 | .73 | .69 | .66 | .72 | .69 | .66 | .65 |
| 9.0 | .73 | .68 | .64 | .72 | .67 | .64 | .71 | .67 | .64 | .70 | .66 | .63 | .69 | .66 | .63 | .62 |
| 10.0 | .70 | .65 | .61 | .69 | .65 | .61 | .68 | .64 | .61 | .67 | .64 | .61 | .67 | .63 | .60 | .59 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|--|--|--|--------|--|--|-------------------|--|--|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: Rayconn | | | SUR.: | | | PROTECTION ANGLE: | | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .166 | .094 | .030 | .158 | .090 | .029 | .144 | .083 | .026 | .132 | .076 | .024 | .120 | .069 | .022 | |
| 2.0 | .155 | .085 | .026 | .149 | .082 | .025 | .137 | .076 | .024 | .126 | .071 | .022 | .116 | .066 | .021 | |
| 3.0 | .146 | .077 | .023 | .140 | .075 | .023 | .130 | .070 | .021 | .121 | .066 | .020 | .112 | .062 | .019 | |
| 4.0 | .137 | .071 | .021 | .133 | .069 | .021 | .124 | .066 | .020 | .116 | .062 | .019 | .108 | .059 | .018 | |
| 5.0 | .130 | .066 | .019 | .126 | .065 | .019 | .118 | .062 | .018 | .111 | .059 | .017 | .104 | .056 | .017 | |
| 6.0 | .124 | .062 | .018 | .120 | .061 | .017 | .113 | .058 | .017 | .107 | .056 | .016 | .101 | .053 | .016 | |
| 7.0 | .118 | .058 | .017 | .115 | .057 | .016 | .109 | .055 | .016 | .103 | .053 | .015 | .098 | .051 | .015 | |
| 8.0 | .113 | .055 | .015 | .110 | .054 | .015 | .104 | .052 | .015 | .099 | .050 | .015 | .095 | .049 | .014 | |
| 9.0 | .108 | .052 | .015 | .105 | .051 | .014 | .100 | .050 | .014 | .096 | .048 | .014 | .092 | .047 | .013 | |
| 10.0 | .104 | .050 | .014 | .101 | .049 | .014 | .097 | .047 | .013 | .093 | .046 | .013 | .089 | .045 | .013 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|--|------|------|------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | |
| 0.0 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .191 | .178 | .166 | .163 | .153 | .143 | .112 | .105 | .099 | .064 | .061 | .058 | .021 | .020 | .019 | |
| 2.0 | .175 | .153 | .135 | .149 | .132 | .117 | .102 | .091 | .081 | .059 | .053 | .048 | .019 | .017 | .016 | |
| 3.0 | .161 | .134 | .113 | .138 | .116 | .098 | .095 | .080 | .068 | .055 | .047 | .040 | .018 | .015 | .013 | |
| 4.0 | .150 | .119 | .096 | .129 | .103 | .083 | .089 | .072 | .059 | .051 | .042 | .035 | .016 | .014 | .011 | |
| 5.0 | .141 | .107 | .083 | .121 | .093 | .072 | .083 | .065 | .051 | .048 | .038 | .030 | .016 | .012 | .010 | |
| 6.0 | .133 | .098 | .073 | .114 | .085 | .064 | .079 | .059 | .045 | .046 | .035 | .027 | .015 | .011 | .009 | |
| 7.0 | .126 | .090 | .065 | .108 | .078 | .057 | .075 | .055 | .040 | .043 | .032 | .024 | .014 | .011 | .008 | |
| 8.0 | .120 | .084 | .059 | .103 | .073 | .051 | .071 | .051 | .036 | .041 | .030 | .022 | .013 | .010 | .007 | |
| 9.0 | .115 | .078 | .054 | .099 | .068 | .047 | .068 | .048 | .033 | .040 | .028 | .020 | .013 | .009 | .007 | |
| 10.0 | .110 | .074 | .050 | .095 | .064 | .044 | .066 | .045 | .031 | .038 | .027 | .018 | .012 | .009 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| DIM.: | | | | | SPEC.: | | | SERIAL No.: | | | |
| MFR.: Rayconn | | | | | SUR.: | | | PROTECTION ANGLE: | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 12.2 | 13.0 | 12.4 | 13.2 | 13.4 | 11.9 | 12.7 | 12.2 | 12.9 | 13.2 | |
| | 3H | 12.4 | 13.2 | 12.7 | 13.4 | 13.7 | 12.2 | 13.0 | 12.5 | 13.2 | 13.5 |
| | 4H | 12.7 | 13.4 | 13.0 | 13.6 | 13.9 | 12.5 | 13.2 | 12.8 | 13.4 | 13.7 |
| | 6H | 13.0 | 13.6 | 13.3 | 13.9 | 14.2 | 12.8 | 13.4 | 13.1 | 13.7 | 14.0 |
| | 8H | 13.2 | 13.8 | 13.5 | 14.1 | 14.4 | 13.0 | 13.6 | 13.3 | 13.9 | 14.2 |
| | 12H | 13.4 | 14.0 | 13.8 | 14.3 | 14.7 | 13.2 | 13.8 | 13.6 | 14.1 | 14.5 |
| 4H | 2H | 12.1 | 12.8 | 12.4 | 13.1 | 13.3 | 11.9 | 12.6 | 12.2 | 12.9 | 13.1 |
| | 3H | 12.5 | 13.1 | 12.9 | 13.4 | 13.8 | 12.4 | 13.0 | 12.7 | 13.3 | 13.6 |
| | 4H | 12.9 | 13.4 | 13.3 | 13.8 | 14.1 | 12.7 | 13.3 | 13.1 | 13.6 | 14.0 |
| | 6H | 13.4 | 13.9 | 13.8 | 14.2 | 14.6 | 13.2 | 13.7 | 13.6 | 14.1 | 14.5 |
| | 8H | 13.7 | 14.2 | 14.1 | 14.6 | 15.0 | 13.5 | 14.0 | 14.0 | 14.4 | 14.8 |
| | 12H | 14.1 | 14.5 | 14.6 | 14.9 | 15.4 | 13.9 | 14.3 | 14.4 | 14.8 | 15.2 |
| 8H | 4H | 13.0 | 13.4 | 13.4 | 13.8 | 14.3 | 12.8 | 13.3 | 13.3 | 13.7 | 14.1 |
| | 6H | 13.7 | 14.0 | 14.1 | 14.5 | 14.9 | 13.5 | 13.9 | 14.0 | 14.3 | 14.8 |
| | 8H | 14.1 | 14.5 | 14.6 | 14.9 | 15.4 | 14.0 | 14.3 | 14.5 | 14.8 | 15.3 |
| | 12H | 14.7 | 15.0 | 15.2 | 15.5 | 16.0 | 14.6 | 14.9 | 15.1 | 15.3 | 15.9 |
| 12H | 4H | 13.0 | 13.4 | 13.4 | 13.8 | 14.3 | 12.8 | 13.3 | 13.3 | 13.7 | 14.1 |
| | 6H | 13.7 | 14.1 | 14.2 | 14.5 | 15.0 | 13.6 | 13.9 | 14.1 | 14.4 | 14.9 |
| | 8H | 14.3 | 14.6 | 14.8 | 15.0 | 15.6 | 14.1 | 14.4 | 14.6 | 14.9 | 15.4 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.2 / - 1.2 | | | | | + 1.0 / - 1.1 | | | | | |
| 1.5H | + 2.4 / - 1.1 | | | | | + 2.1 / - 1.0 | | | | | |
| 2.0H | + 1.3 / - 0.5 | | | | | + 1.0 / - 0.4 | | | | | |

CIE Pub.117 Corrected 2266 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

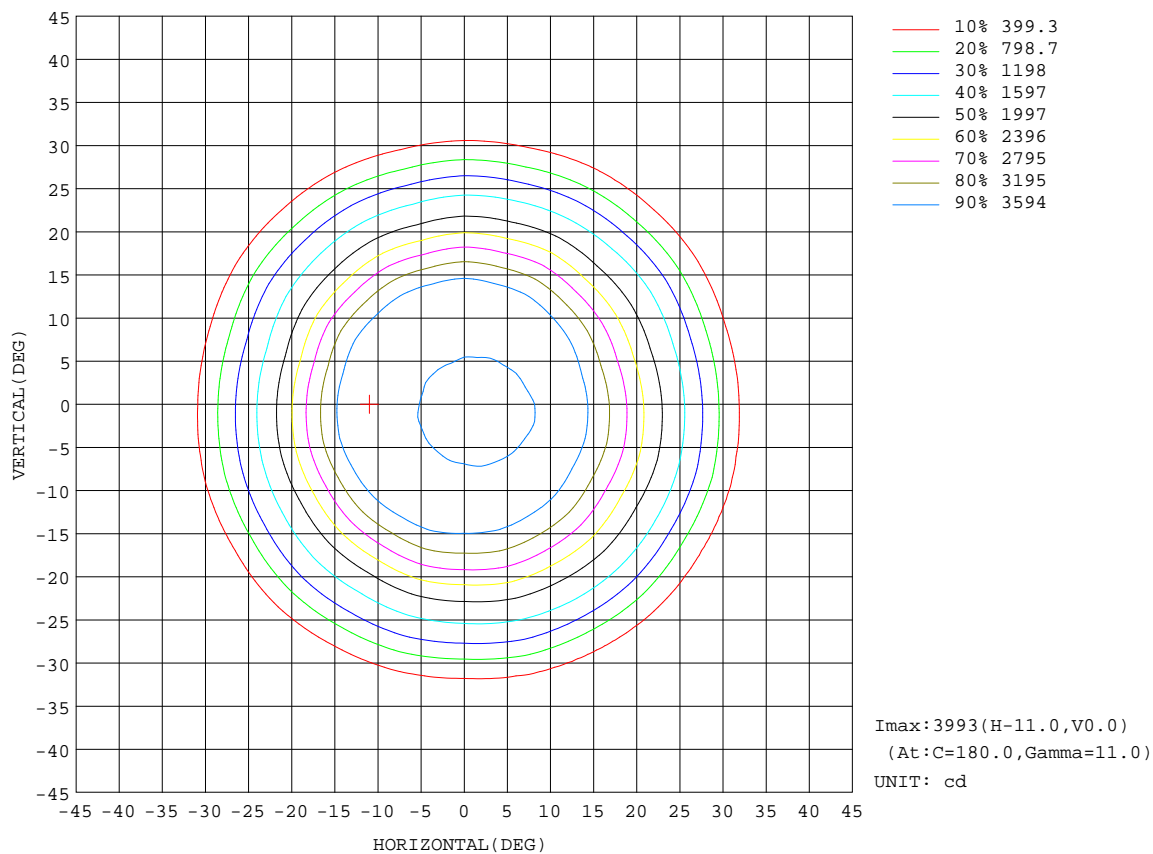
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 88 | 81 | 78 | 87 | 81 | 78 | 86 | 81 | 78 | 74 |
| 0.80 | 95 | 89 | 85 | 94 | 89 | 85 | 93 | 88 | 85 | 81 |
| 1.00 | 99 | 93 | 90 | 98 | 93 | 89 | 96 | 92 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 101 | 97 | 94 | 99 | 95 | 93 | 88 |
| 1.50 | 105 | 101 | 97 | 104 | 100 | 97 | 101 | 98 | 95 | 91 |
| 2.00 | 108 | 104 | 100 | 106 | 102 | 99 | 103 | 100 | 98 | 92 |
| 2.50 | 110 | 106 | 103 | 108 | 104 | 102 | 104 | 102 | 99 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 108 | 106 | 107 | 105 | 103 | 95 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 108 | 108 | 106 | 105 | 96 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



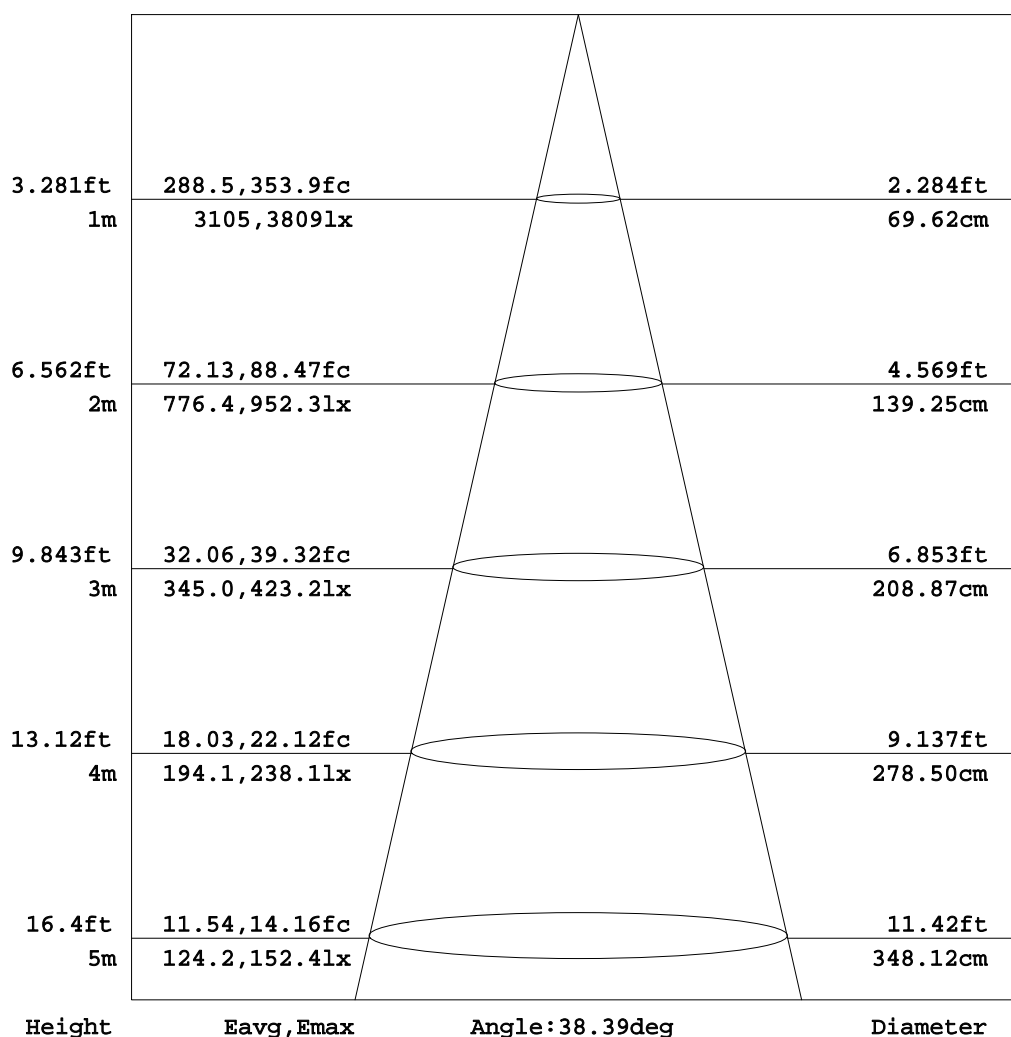
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:1292 lm



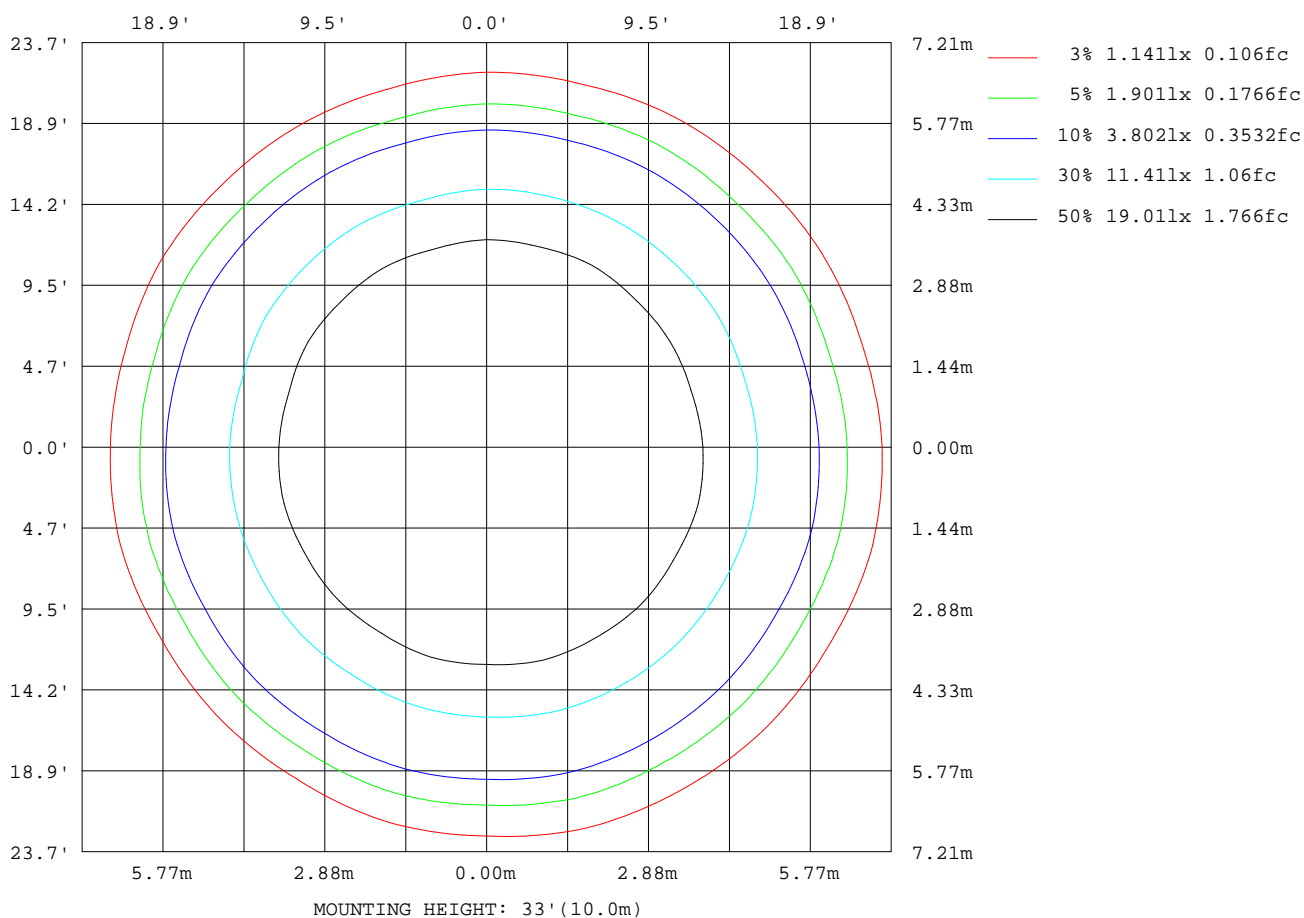
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

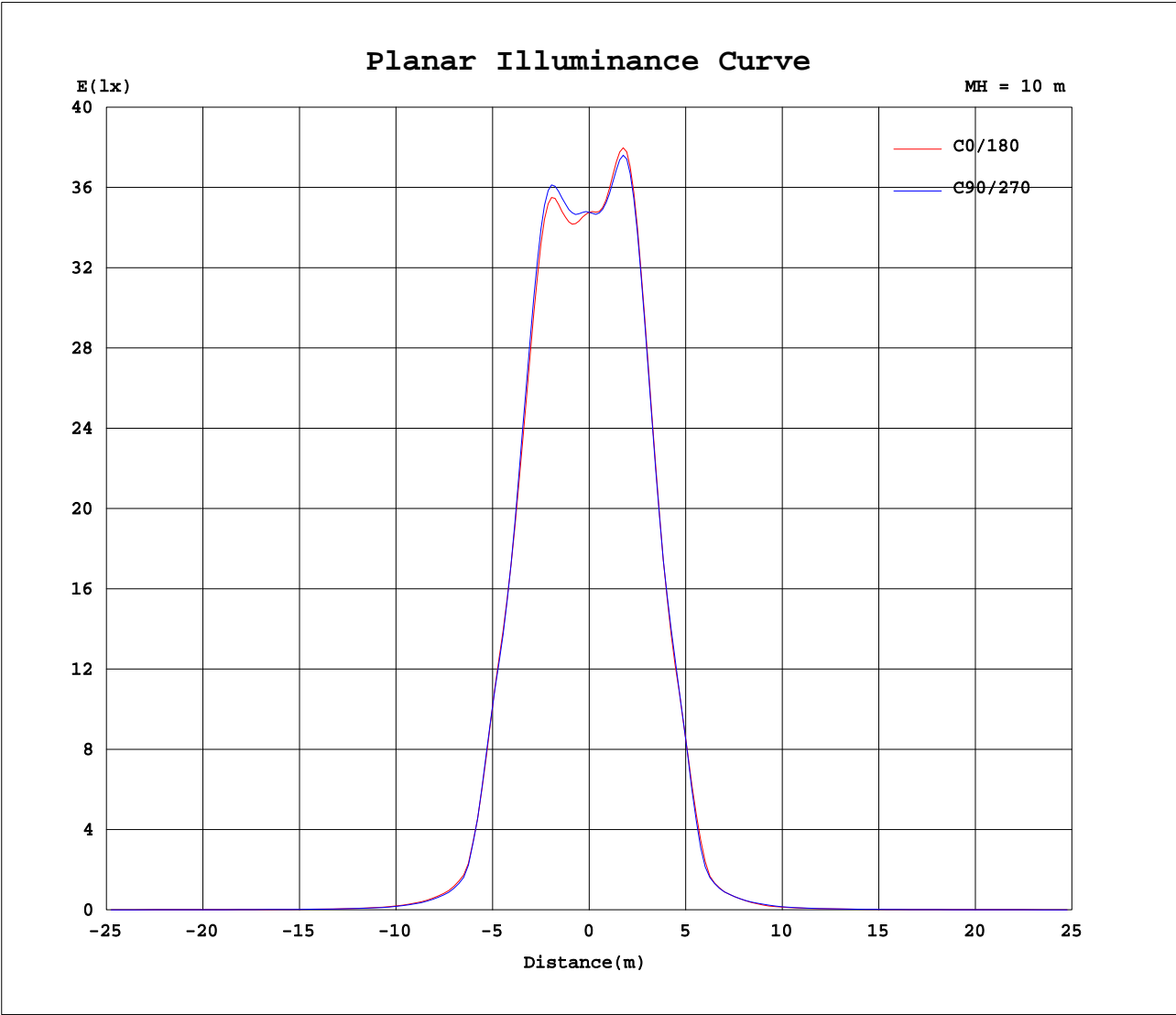
| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 | 3475 |
| 5 | 3455 | 3453 | 3467 | 3476 | 3484 | 3494 | 3512 | 3518 | 3529 | 3540 | 3554 | 3560 | 3576 | 3593 | 3583 | 3592 | 3589 | 3591 | 3563 |
| 10 | 3711 | 3690 | 3707 | 3716 | 3730 | 3740 | 3774 | 3802 | 3849 | 3887 | 3930 | 3951 | 3974 | 3987 | 3973 | 3969 | 3966 | 3966 | 3935 |
| 15 | 3501 | 3541 | 3535 | 3582 | 3580 | 3605 | 3589 | 3617 | 3583 | 3599 | 3574 | 3592 | 3546 | 3496 | 3532 | 3500 | 3511 | 3479 | 3522 |
| 20 | 2557 | 2622 | 2606 | 2665 | 2650 | 2678 | 2610 | 2617 | 2529 | 2517 | 2448 | 2448 | 2379 | 2307 | 2370 | 2332 | 2354 | 2299 | 2367 |
| 25 | 1683 | 1732 | 1707 | 1736 | 1714 | 1712 | 1655 | 1639 | 1573 | 1564 | 1516 | 1496 | 1462 | 1412 | 1458 | 1444 | 1451 | 1419 | 1466 |
| 30 | 701 | 769 | 732 | 774 | 757 | 778 | 702 | 713 | 662 | 647 | 597 | 591 | 537 | 492 | 511 | 473 | 472 | 442 | 478 |
| 35 | 214 | 223 | 214 | 216 | 211 | 210 | 196 | 193 | 178 | 174 | 167 | 171 | 164 | 162 | 164 | 160 | 159 | 158 | 164 |
| 40 | 108 | 111 | 106 | 106 | 104 | 104 | 97.7 | 96.7 | 91.0 | 89.1 | 85.6 | 87.1 | 84.0 | 81.9 | 84.0 | 82.9 | 84.2 | 84.7 | 88.5 |
| 45 | 56.3 | 57.3 | 55.0 | 54.6 | 53.1 | 52.9 | 49.9 | 48.8 | 45.0 | 42.9 | 40.4 | 40.2 | 39.2 | 39.0 | 40.2 | 40.3 | 41.8 | 42.4 | 45.4 |
| 50 | 31.2 | 31.8 | 30.9 | 30.6 | 30.3 | 29.8 | 28.7 | 28.3 | 27.2 | 26.6 | 26.1 | 26.2 | 25.7 | 25.6 | 26.0 | 25.5 | 25.7 | 25.8 | 26.8 |
| 55 | 20.1 | 20.5 | 20.2 | 20.4 | 20.4 | 20.5 | 19.9 | 19.8 | 19.3 | 19.1 | 18.9 | 19.0 | 18.6 | 18.5 | 18.6 | 18.4 | 18.4 | 18.3 | 18.7 |
| 60 | 15.3 | 15.4 | 15.3 | 15.5 | 15.5 | 15.6 | 15.5 | 15.4 | 15.1 | 15.0 | 14.9 | 14.8 | 14.2 | 14.2 | 14.4 | 14.2 | 14.2 | 14.1 | 14.3 |
| 65 | 12.5 | 12.6 | 12.4 | 12.5 | 12.5 | 12.6 | 12.5 | 12.7 | 12.4 | 12.4 | 12.2 | 12.1 | 11.7 | 11.7 | 11.8 | 11.8 | 12.3 | 11.7 | 11.9 |
| 70 | 10.3 | 10.4 | 10.1 | 10.3 | 10.3 | 10.4 | 10.2 | 10.4 | 10.1 | 10.2 | 9.92 | 9.81 | 9.56 | 9.59 | 9.67 | 9.74 | 10.3 | 9.72 | 10.1 |
| 75 | 8.64 | 8.63 | 8.38 | 8.50 | 8.48 | 8.50 | 8.42 | 8.59 | 8.39 | 8.58 | 8.22 | 8.13 | 8.11 | 8.09 | 8.14 | 8.21 | 8.80 | 8.19 | 8.63 |
| 80 | 7.04 | 7.10 | 6.83 | 6.93 | 6.93 | 6.92 | 6.87 | 7.11 | 6.81 | 7.02 | 6.56 | 6.49 | 6.76 | 6.77 | 6.81 | 6.92 | 7.86 | 7.00 | 7.29 |
| 85 | 5.68 | 5.65 | 5.50 | 5.53 | 5.50 | 5.47 | 5.40 | 5.54 | 5.47 | 5.76 | 5.36 | 5.22 | 5.81 | 5.84 | 5.87 | 5.96 | 6.34 | 6.07 | 6.26 |
| 90 | 4.57 | 4.58 | 4.38 | 4.41 | 4.41 | 4.40 | 4.36 | 4.56 | 4.64 | 5.08 | 4.57 | 4.29 | 5.24 | 5.23 | 5.25 | 5.33 | 5.83 | 5.41 | 5.59 |
| 95 | 4.22 | 4.18 | 4.20 | 4.18 | 4.20 | 4.17 | 4.20 | 4.21 | 4.46 | 4.76 | 4.46 | 4.22 | 5.36 | 5.36 | 5.36 | 5.37 | 5.64 | 5.47 | 5.50 |
| 100 | 4.18 | 4.16 | 4.17 | 4.16 | 4.16 | 4.15 | 4.16 | 4.17 | 4.32 | 4.38 | 4.25 | 4.17 | 5.48 | 5.48 | 5.49 | 5.49 | 5.59 | 5.57 | 5.58 |
| 105 | 4.23 | 4.23 | 4.22 | 4.22 | 4.20 | 4.20 | 4.20 | 4.23 | 4.26 | 4.32 | 4.26 | 4.26 | 5.70 | 5.72 | 5.72 | 5.72 | 5.79 | 5.80 | 5.79 |
| 110 | 4.65 | 4.61 | 4.62 | 4.59 | 4.59 | 4.59 | 4.60 | 4.62 | 4.67 | 4.71 | 4.72 | 4.71 | 6.18 | 6.21 | 6.21 | 6.23 | 6.27 | 6.29 | 6.25 |
| 115 | 5.52 | 5.44 | 5.47 | 5.43 | 5.44 | 5.42 | 5.49 | 5.49 | 5.59 | 5.61 | 5.67 | 5.65 | 6.97 | 7.03 | 7.02 | 7.06 | 7.07 | 7.10 | 7.03 |
| 120 | 6.88 | 6.76 | 6.81 | 6.75 | 6.77 | 6.74 | 6.83 | 6.82 | 6.95 | 6.98 | 7.05 | 7.03 | 8.11 | 8.19 | 8.18 | 8.24 | 8.22 | 8.27 | 8.17 |
| 125 | 8.59 | 8.46 | 8.51 | 8.43 | 8.46 | 8.42 | 8.52 | 8.50 | 8.64 | 8.67 | 8.75 | 8.72 | 9.56 | 9.65 | 9.64 | 9.71 | 9.69 | 9.74 | 9.65 |
| 130 | 10.4 | 10.3 | 10.3 | 10.3 | 10.3 | 10.2 | 10.3 | 10.3 | 10.4 | 10.5 | 10.5 | 10.5 | 11.2 | 11.3 | 11.3 | 11.3 | 11.3 | 11.4 | 11.3 |
| 135 | 12.2 | 12.1 | 12.1 | 12.1 | 12.1 | 12.0 | 12.1 | 12.1 | 12.2 | 12.3 | 12.3 | 12.3 | 12.9 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.9 |
| 140 | 14.0 | 13.9 | 13.9 | 13.9 | 13.8 | 13.8 | 13.9 | 13.9 | 14.0 | 14.1 | 14.1 | 14.1 | 14.6 | 14.7 | 14.7 | 14.8 | 14.7 | 14.8 | 14.7 |
| 145 | 15.7 | 15.6 | 15.7 | 15.6 | 15.6 | 15.6 | 15.7 | 15.7 | 15.8 | 15.8 | 15.9 | 15.9 | 16.3 | 16.4 | 16.3 | 16.4 | 16.4 | 16.4 | 16.3 |
| 150 | 17.2 | 17.1 | 17.2 | 17.1 | 17.1 | 17.1 | 17.2 | 17.2 | 17.3 | 17.3 | 17.4 | 17.4 | 17.7 | 17.8 | 17.7 | 17.8 | 17.7 | 17.8 | 17.7 |
| 155 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.1 | 18.2 | 18.2 | 18.2 | 18.2 | 18.3 | 18.3 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 |
| 160 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.8 | 18.8 | 18.8 | 18.8 | 18.7 | 18.7 | 18.7 |
| 165 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.7 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 |
| 170 | 18.2 | 18.2 | 18.2 | 18.2 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.4 | 18.4 | 18.4 | 18.4 | 18.3 | 18.3 | 18.3 |
| 175 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.3 | 18.3 | 18.3 | 18.4 | 18.4 | 18.4 | 18.4 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 |
| 180 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|-------------------|
| Test:U:226.5V I:0.1260A P:27.40W PF:0.9600 Lamp Flux:2266.4x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 3475 | 3475 | 3475 | 3475 | 3475 | | | | | | | | | | | | | | |
| 5 | 3555 | 3527 | 3516 | 3489 | 3482 | | | | | | | | | | | | | | |
| 10 | 3916 | 3877 | 3843 | 3791 | 3764 | | | | | | | | | | | | | | |
| 15 | 3483 | 3522 | 3485 | 3483 | 3455 | | | | | | | | | | | | | | |
| 20 | 2352 | 2436 | 2413 | 2467 | 2470 | | | | | | | | | | | | | | |
| 25 | 1480 | 1516 | 1553 | 1612 | 1620 | | | | | | | | | | | | | | |
| 30 | 478 | 539 | 577 | 625 | 651 | | | | | | | | | | | | | | |
| 35 | 165 | 174 | 180 | 191 | 197 | | | | | | | | | | | | | | |
| 40 | 89.4 | 93.4 | 95.9 | 100 | 102 | | | | | | | | | | | | | | |
| 45 | 46.0 | 49.1 | 50.6 | 53.3 | 53.6 | | | | | | | | | | | | | | |
| 50 | 27.0 | 28.0 | 28.6 | 29.4 | 29.8 | | | | | | | | | | | | | | |
| 55 | 18.7 | 19.3 | 19.4 | 19.5 | 19.5 | | | | | | | | | | | | | | |
| 60 | 14.3 | 14.5 | 14.7 | 14.9 | 14.8 | | | | | | | | | | | | | | |
| 65 | 11.7 | 11.9 | 12.0 | 12.1 | 12.0 | | | | | | | | | | | | | | |
| 70 | 9.65 | 9.69 | 9.73 | 9.90 | 9.79 | | | | | | | | | | | | | | |
| 75 | 8.16 | 8.23 | 8.26 | 8.36 | 8.28 | | | | | | | | | | | | | | |
| 80 | 6.85 | 6.85 | 6.92 | 7.02 | 6.93 | | | | | | | | | | | | | | |
| 85 | 6.03 | 6.12 | 6.09 | 6.22 | 6.05 | | | | | | | | | | | | | | |
| 90 | 5.29 | 5.51 | 5.60 | 5.49 | 5.29 | | | | | | | | | | | | | | |
| 95 | 5.40 | 5.67 | 5.83 | 5.45 | 5.34 | | | | | | | | | | | | | | |
| 100 | 5.50 | 5.61 | 5.66 | 5.50 | 5.44 | | | | | | | | | | | | | | |
| 105 | 5.72 | 5.72 | 5.70 | 5.66 | 5.64 | | | | | | | | | | | | | | |
| 110 | 6.21 | 6.16 | 6.12 | 6.07 | 6.08 | | | | | | | | | | | | | | |
| 115 | 7.00 | 6.91 | 6.88 | 6.82 | 6.83 | | | | | | | | | | | | | | |
| 120 | 8.17 | 8.05 | 8.01 | 7.93 | 7.96 | | | | | | | | | | | | | | |
| 125 | 9.65 | 9.52 | 9.48 | 9.40 | 9.43 | | | | | | | | | | | | | | |
| 130 | 11.3 | 11.1 | 11.1 | 11.0 | 11.1 | | | | | | | | | | | | | | |
| 135 | 13.0 | 12.8 | 12.8 | 12.7 | 12.8 | | | | | | | | | | | | | | |
| 140 | 14.7 | 14.6 | 14.6 | 14.5 | 14.5 | | | | | | | | | | | | | | |
| 145 | 16.3 | 16.2 | 16.2 | 16.1 | 16.1 | | | | | | | | | | | | | | |
| 150 | 17.7 | 17.6 | 17.6 | 17.6 | 17.5 | | | | | | | | | | | | | | |
| 155 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | | | | | | | | | | | | | | |
| 160 | 18.7 | 18.7 | 18.8 | 18.7 | 18.8 | | | | | | | | | | | | | | |
| 165 | 18.5 | 18.5 | 18.6 | 18.5 | 18.6 | | | | | | | | | | | | | | |
| 170 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | | | | | | | | | | | | | | |
| 175 | 18.4 | 18.4 | 18.5 | 18.4 | 18.4 | | | | | | | | | | | | | | |
| 180 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks: