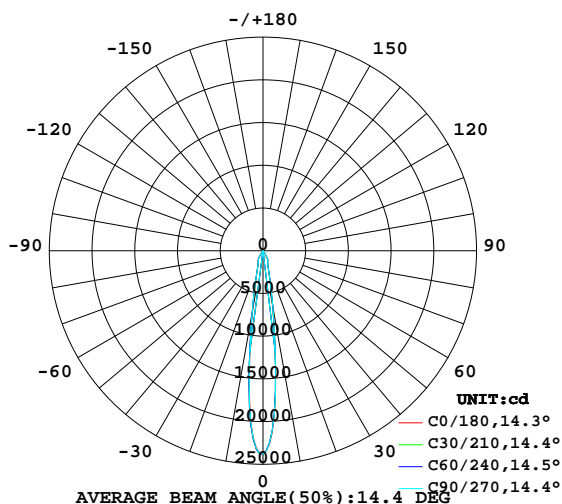


LUMINAIRE PHOTOMETRIC TEST REPORT

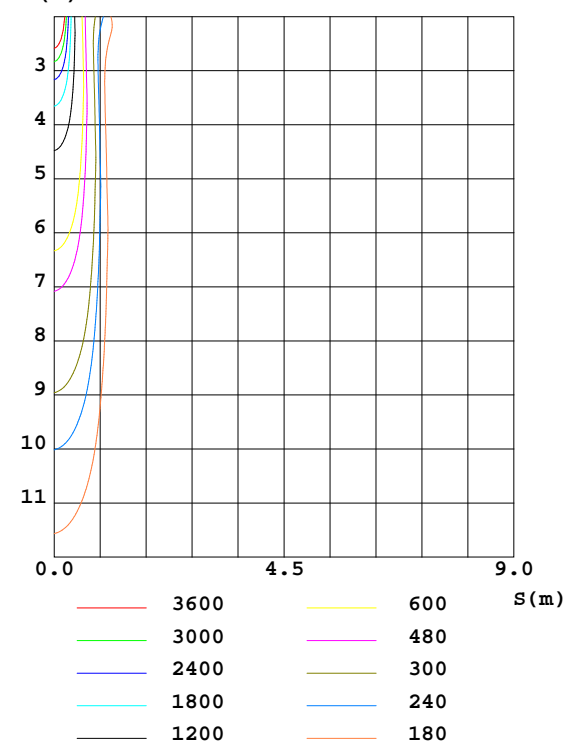
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 113.03 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|------------------------|----------|
| MODEL | TL22-28W-840-W-15 | Imax(cd) | 23795 | S/MH(C0/180) | 0.24 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.24 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 3130.8 | η UP,DN(C0-180) | 1.2,48.0 |
| NOMINAL FLUX(lm) | 3130.84 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.4 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.4 | CIBSE SHR MAX | 1.00 |

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:2016-08-16

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 | 665.0 | 669.4 | 676.6 | 692.9 | 709.7 | 710.7 | 725.2 | 676.1 | 0- 10 | 1280 | 1280 | 40.9,40.9 |
| 20 | 165.2 | 167.3 | 168.6 | 170.7 | 172.0 | 172.3 | 170.5 | 165.7 | 10- 20 | 874.3 | 2155 | 68.8,68.8 |
| 30 | 94.10 | 95.25 | 94.50 | 99.30 | 102.3 | 99.94 | 100.5 | 94.39 | 20- 30 | 613.1 | 2768 | 88.4,88.4 |
| 40 | 5.361 | 5.405 | 5.383 | 5.876 | 5.961 | 6.537 | 6.570 | 5.648 | 30- 40 | 219.1 | 2987 | 95.4,95.4 |
| 50 | 1.221 | 1.299 | 1.369 | 1.249 | 1.243 | 1.321 | 1.369 | 1.224 | 40- 50 | 19.85 | 3007 | 96,96 |
| 60 | 1.220 | 1.219 | 1.244 | 1.189 | 1.161 | 1.221 | 1.206 | 1.176 | 50- 60 | 10.64 | 3017 | 96.4,96.4 |
| 70 | 1.042 | 1.032 | 1.044 | 1.040 | 1.035 | 1.055 | 1.069 | 1.026 | 60- 70 | 11.83 | 3029 | 96.8,96.8 |
| 80 | 0.8933 | 0.8904 | 0.9080 | 0.8856 | 0.8699 | 0.8827 | 0.8832 | 0.8954 | 70- 80 | 10.01 | 3039 | 97.1,97.1 |
| 90 | 0.6264 | 0.6249 | 0.6260 | 0.6556 | 0.7537 | 0.7520 | 0.7531 | 0.8590 | 80- 90 | 8.849 | 3048 | 97.4,97.4 |
| 100 | 0.4534 | 0.4535 | 0.4562 | 0.4645 | 0.7718 | 0.7716 | 0.7705 | 0.7845 | 90-100 | 7.070 | 3055 | 97.6,97.6 |
| 110 | 0.6579 | 0.6522 | 0.6573 | 0.6512 | 0.8427 | 0.8430 | 0.8420 | 0.8459 | 100-110 | 7.093 | 3062 | 97.8,97.8 |
| 120 | 0.8453 | 0.8384 | 0.8442 | 0.8366 | 0.9885 | 0.9897 | 0.9880 | 0.9957 | 110-120 | 8.200 | 3070 | 98.1,98.1 |
| 130 | 1.354 | 1.345 | 1.354 | 1.322 | 1.431 | 1.432 | 1.430 | 1.453 | 120-130 | 9.878 | 3080 | 98.4,98.4 |
| 140 | 2.143 | 2.135 | 2.141 | 2.121 | 2.160 | 2.157 | 2.156 | 2.179 | 130-140 | 13.78 | 3094 | 98.8,98.8 |
| 150 | 2.482 | 2.479 | 2.483 | 2.475 | 2.530 | 2.517 | 2.517 | 2.534 | 140-150 | 14.77 | 3109 | 99.3,99.3 |
| 160 | 2.637 | 2.634 | 2.638 | 2.631 | 2.654 | 2.650 | 2.653 | 2.656 | 150-160 | 11.92 | 3121 | 99.7,99.7 |
| 170 | 2.663 | 2.664 | 2.667 | 2.676 | 2.701 | 2.694 | 2.700 | 2.693 | 160-170 | 7.604 | 3128 | 99.9,99.9 |
| 180 | 2.433 | 2.447 | 2.451 | 2.451 | 2.440 | 2.443 | 2.453 | 2.450 | 170-180 | 2.477 | 3131 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

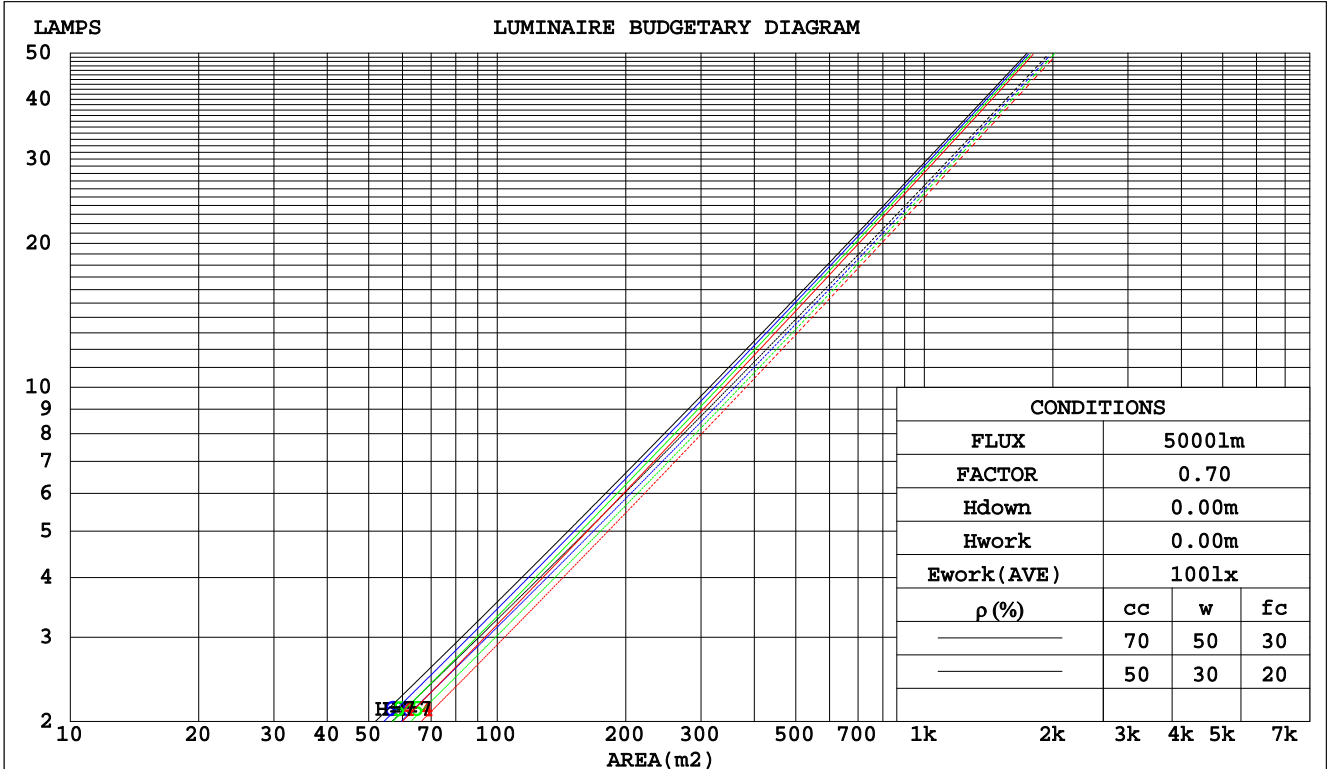
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 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 | .146 | .083 | .026 | .139 | .079 | .025 | .125 | .072 | .023 | .112 | .065 | .021 | .100 | .058 | .019 | | |
| 2.0 | .135 | .074 | .023 | .128 | .071 | .022 | .117 | .065 | .020 | .106 | .059 | .019 | .096 | .054 | .017 | | |
| 3.0 | .125 | .066 | .020 | .120 | .064 | .019 | .110 | .059 | .018 | .101 | .055 | .017 | .092 | .051 | .016 | | |
| 4.0 | .117 | .061 | .018 | .112 | .059 | .017 | .104 | .055 | .016 | .096 | .051 | .016 | .089 | .048 | .015 | | |
| 5.0 | .110 | .056 | .016 | .106 | .054 | .016 | .098 | .051 | .015 | .092 | .048 | .014 | .085 | .046 | .014 | | |
| 6.0 | .103 | .052 | .015 | .100 | .051 | .015 | .094 | .048 | .014 | .088 | .046 | .013 | .082 | .043 | .013 | | |
| 7.0 | .098 | .048 | .014 | .095 | .047 | .013 | .089 | .045 | .013 | .084 | .043 | .013 | .079 | .041 | .012 | | |
| 8.0 | .093 | .045 | .013 | .090 | .045 | .013 | .085 | .043 | .012 | .081 | .041 | .012 | .076 | .039 | .011 | | |
| 9.0 | .089 | .043 | .012 | .086 | .042 | .012 | .082 | .040 | .011 | .078 | .039 | .011 | .074 | .037 | .011 | | |
| 10.0 | .085 | .041 | .011 | .083 | .040 | .011 | .079 | .038 | .011 | .075 | .037 | .011 | .071 | .036 | .010 | | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .189 | .178 | .168 | .162 | .153 | .144 | .111 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | |
| 2.0 | .172 | .153 | .137 | .147 | .132 | .119 | .101 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | |
| 3.0 | .157 | .134 | .115 | .135 | .115 | .100 | .092 | .080 | .070 | .053 | .047 | .041 | .017 | .015 | .014 | |
| 4.0 | .145 | .119 | .099 | .124 | .103 | .086 | .085 | .071 | .060 | .049 | .042 | .036 | .016 | .014 | .012 | |
| 5.0 | .135 | .107 | .086 | .116 | .092 | .075 | .080 | .064 | .053 | .046 | .038 | .031 | .015 | .012 | .010 | |
| 6.0 | .126 | .097 | .076 | .108 | .084 | .066 | .075 | .059 | .047 | .043 | .034 | .028 | .014 | .011 | .009 | |
| 7.0 | .118 | .089 | .068 | .102 | .077 | .059 | .070 | .054 | .042 | .041 | .032 | .025 | .013 | .010 | .008 | |
| 8.0 | .112 | .082 | .061 | .096 | .071 | .054 | .066 | .050 | .038 | .039 | .029 | .023 | .013 | .010 | .007 | |
| 9.0 | .106 | .076 | .056 | .091 | .066 | .049 | .063 | .047 | .035 | .037 | .027 | .021 | .012 | .009 | .007 | |
| 10.0 | .101 | .072 | .052 | .087 | .062 | .045 | .060 | .044 | .032 | .035 | .026 | .019 | .011 | .008 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 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 | 13.9 | 14.5 | 14.1 | 14.7 | 14.9 | 13.6 | 14.3 | 13.8 | 14.5 | 14.6 | |
| | 3H | 14.0 | 14.6 | 14.3 | 14.8 | 15.1 | 13.7 | 14.3 | 14.0 | 14.6 | 14.8 |
| | 4H | 14.1 | 14.7 | 14.4 | 15.0 | 15.2 | 13.9 | 14.5 | 14.2 | 14.7 | 15.0 |
| | 6H | 14.4 | 15.0 | 14.8 | 15.3 | 15.6 | 14.2 | 14.8 | 14.5 | 15.1 | 15.3 |
| | 8H | 14.7 | 15.2 | 15.0 | 15.5 | 15.8 | 14.5 | 15.0 | 14.8 | 15.3 | 15.6 |
| | 12H | 15.0 | 15.5 | 15.4 | 15.8 | 16.2 | 14.8 | 15.4 | 15.2 | 15.7 | 16.0 |
| 4H | 2H | 13.7 | 14.3 | 14.0 | 14.6 | 14.8 | 13.5 | 14.0 | 13.8 | 14.3 | 14.6 |
| | 3H | 13.9 | 14.5 | 14.3 | 14.8 | 15.1 | 13.7 | 14.2 | 14.0 | 14.5 | 14.8 |
| | 4H | 14.2 | 14.7 | 14.6 | 15.0 | 15.4 | 14.0 | 14.5 | 14.4 | 14.8 | 15.2 |
| | 6H | 14.7 | 15.1 | 15.1 | 15.5 | 15.9 | 14.5 | 15.0 | 15.0 | 15.3 | 15.7 |
| | 8H | 15.1 | 15.5 | 15.5 | 15.9 | 16.3 | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 |
| | 12H | 15.7 | 16.0 | 16.1 | 16.4 | 16.9 | 15.5 | 15.9 | 16.0 | 16.3 | 16.7 |
| 8H | 4H | 14.3 | 14.7 | 14.7 | 15.1 | 15.5 | 14.1 | 14.5 | 14.5 | 14.9 | 15.3 |
| | 6H | 15.0 | 15.3 | 15.5 | 15.8 | 16.2 | 14.9 | 15.2 | 15.3 | 15.6 | 16.1 |
| | 8H | 15.6 | 15.9 | 16.1 | 16.3 | 16.8 | 15.5 | 15.8 | 16.0 | 16.2 | 16.7 |
| | 12H | 16.4 | 16.6 | 16.9 | 17.1 | 17.6 | 16.3 | 16.5 | 16.8 | 17.0 | 17.5 |
| 12H | 4H | 14.3 | 14.7 | 14.7 | 15.1 | 15.5 | 14.1 | 14.5 | 14.5 | 14.9 | 15.3 |
| | 6H | 15.1 | 15.4 | 15.6 | 15.9 | 16.3 | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 |
| | 8H | 15.8 | 16.0 | 16.3 | 16.5 | 17.0 | 15.7 | 15.9 | 16.2 | 16.4 | 16.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 0.5 | | | | | + 0.7 / - 0.4 | | | | | |
| 1.5H | + 1.6 / - 0.4 | | | | | + 1.5 / - 0.4 | | | | | |
| 2.0H | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | | |

CIE Pub.117 Corrected 3131 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

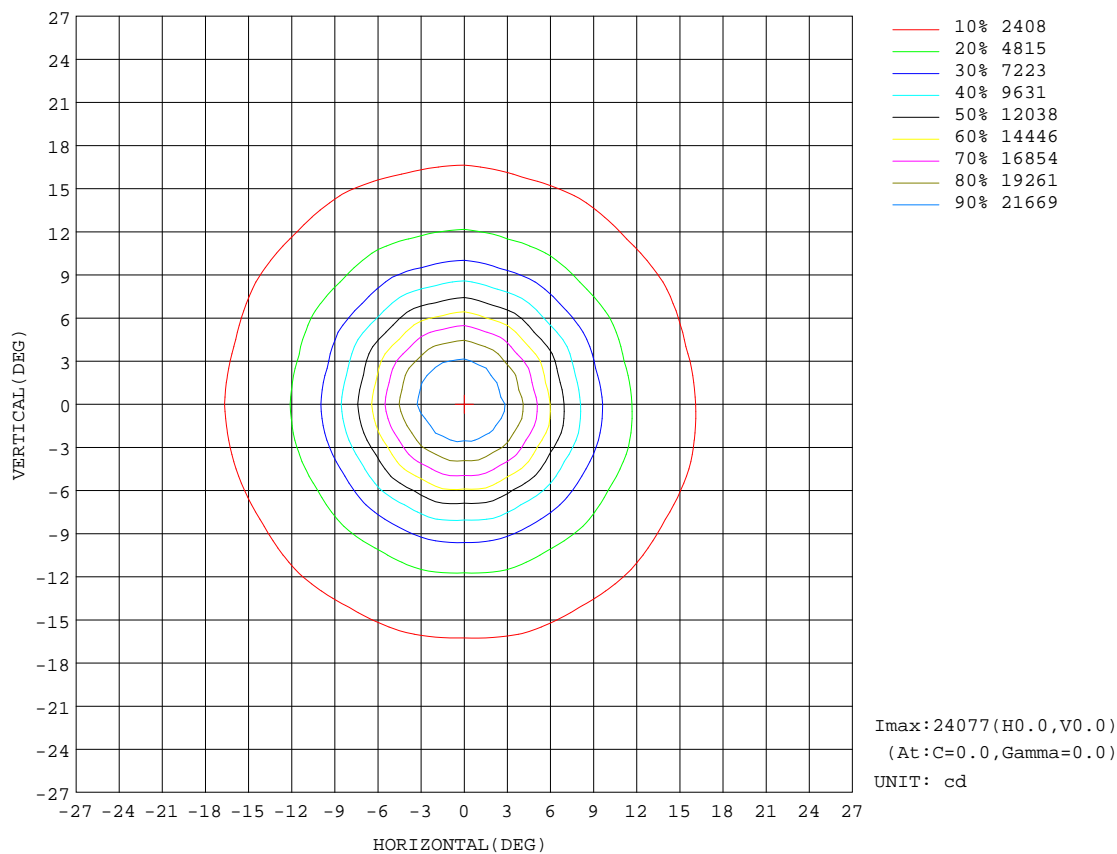
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 89 | 83 | 79 | 88 | 83 | 79 | 87 | 82 | 79 | 76 |
| 0.80 | 96 | 90 | 87 | 95 | 90 | 87 | 94 | 89 | 86 | 83 |
| 1.00 | 100 | 94 | 91 | 99 | 94 | 91 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 98 | 95 | 100 | 96 | 94 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 99 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 94 |
| 4.00 | 113 | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 111 | 112 | 110 | 109 | 108 | 106 | 105 | 97 |
| 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:2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



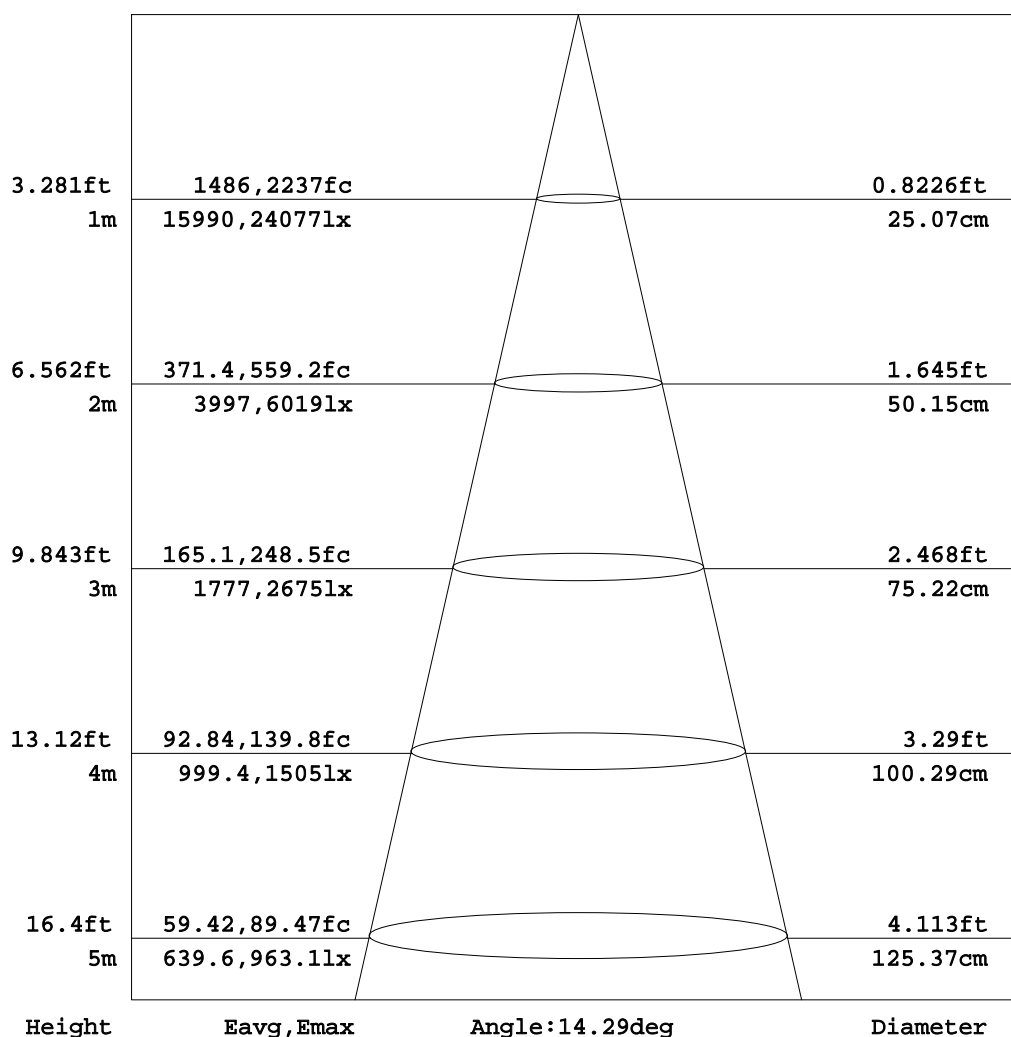
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:992.2 lm



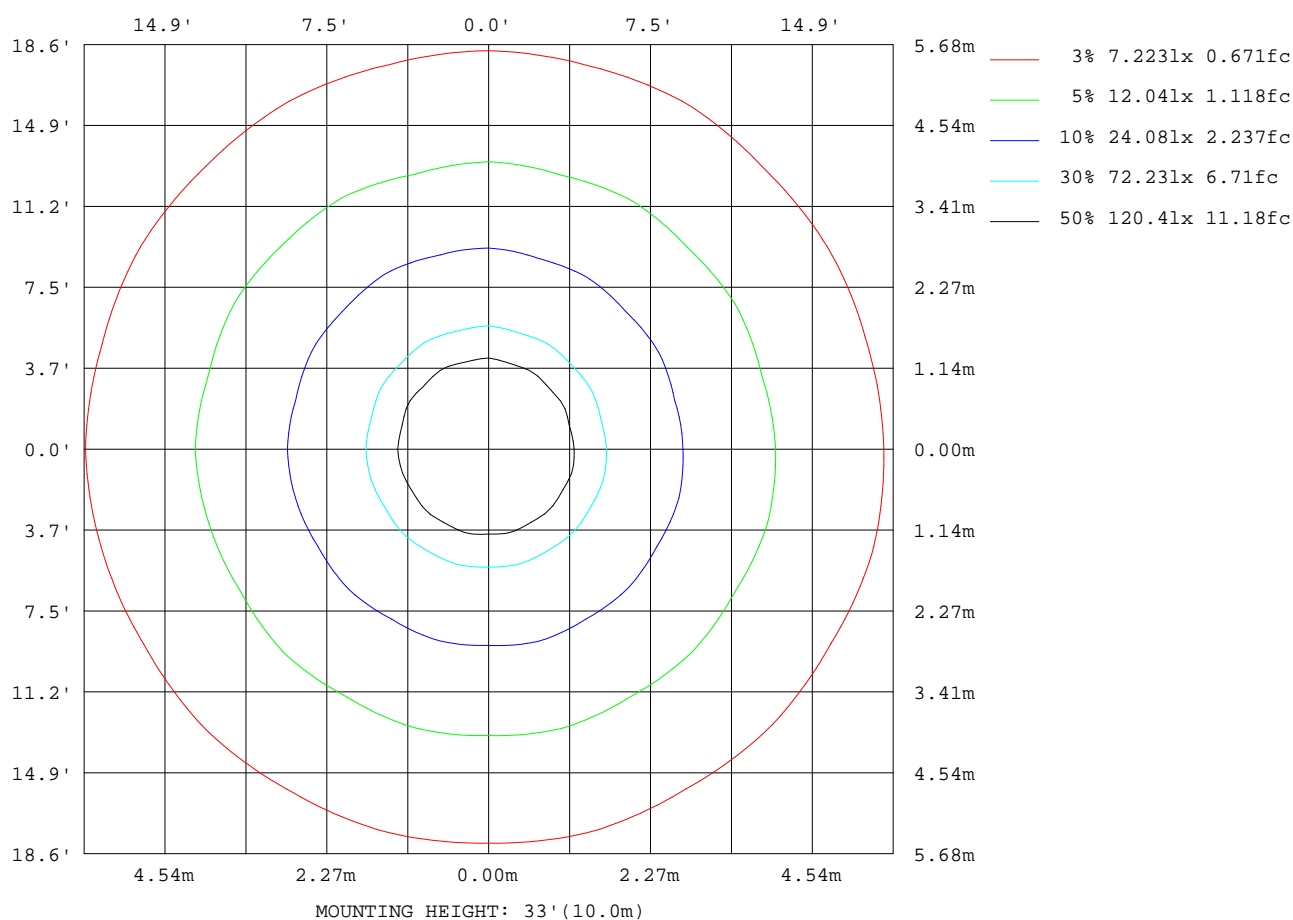
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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

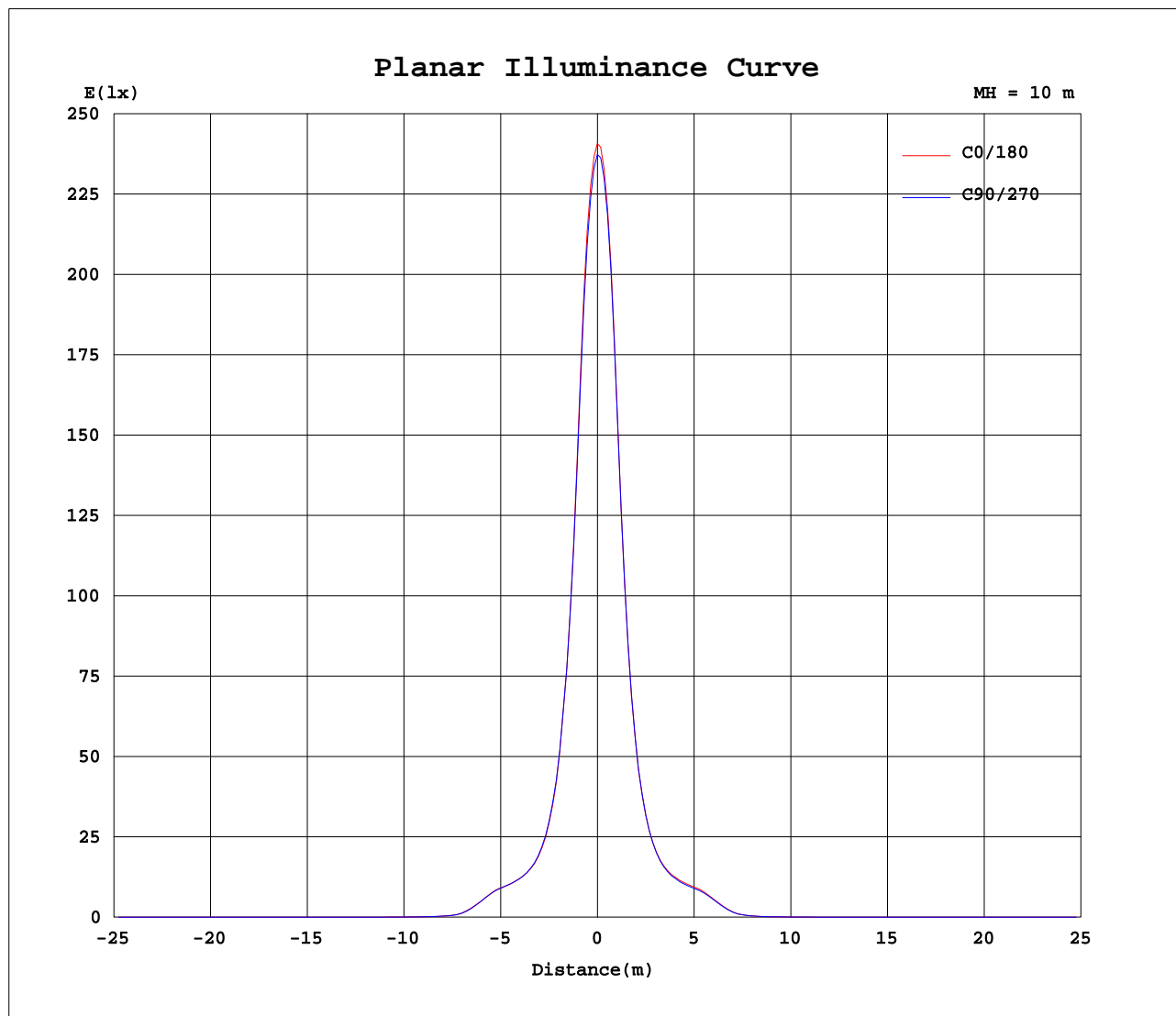
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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: 2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: ×10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|
| 0 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 | 2380 |
| 5 | 1686 | 1703 | 1667 | 1692 | 1665 | 1698 | 1679 | 1717 | 1702 | 1749 | 1740 | 1790 | 1799 | 1781 | 1831 | 1800 | 1833 | 1787 | 1809 |
| 10 | 665 | 667 | 663 | 669 | 669 | 676 | 677 | 684 | 683 | 693 | 677 | 706 | 710 | 693 | 729 | 711 | 740 | 709 | 725 |
| 15 | 274 | 281 | 275 | 284 | 281 | 290 | 283 | 290 | 282 | 291 | 285 | 295 | 297 | 289 | 303 | 297 | 309 | 296 | 302 |
| 20 | 165 | 167 | 165 | 167 | 167 | 170 | 169 | 170 | 168 | 171 | 169 | 172 | 172 | 170 | 174 | 172 | 174 | 169 | 171 |
| 25 | 133 | 133 | 132 | 133 | 133 | 134 | 133 | 134 | 134 | 135 | 134 | 136 | 136 | 135 | 136 | 134 | 134 | 131 | 132 |
| 30 | 94.1 | 96.6 | 93.0 | 95.3 | 92.8 | 96.5 | 94.5 | 97.4 | 96.3 | 99.3 | 97.2 | 101 | 102 | 100 | 103 | 99.9 | 102 | 98.7 | 101 |
| 35 | 24.4 | 26.2 | 23.0 | 24.3 | 21.9 | 24.0 | 22.7 | 25.7 | 24.8 | 27.3 | 26.3 | 29.3 | 30.2 | 28.6 | 30.3 | 28.1 | 29.0 | 26.9 | 28.6 |
| 40 | 5.36 | 5.55 | 5.21 | 5.41 | 5.20 | 5.42 | 5.38 | 5.76 | 5.59 | 5.88 | 6.12 | 5.97 | 5.96 | 6.34 | 6.38 | 6.54 | 6.28 | 6.52 | 6.57 |
| 45 | 1.94 | 2.00 | 1.91 | 2.02 | 2.02 | 2.09 | 2.01 | 2.08 | 2.02 | 2.10 | 2.04 | 2.14 | 2.16 | 2.14 | 2.29 | 2.25 | 2.39 | 2.35 | 2.41 |
| 50 | 1.22 | 1.25 | 1.29 | 1.30 | 1.34 | 1.37 | 1.37 | 1.32 | 1.26 | 1.25 | 1.24 | 1.26 | 1.24 | 1.27 | 1.30 | 1.32 | 1.37 | 1.39 | 1.37 |
| 55 | 1.13 | 1.12 | 1.16 | 1.18 | 1.21 | 1.23 | 1.25 | 1.22 | 1.17 | 1.12 | 1.13 | 1.15 | 1.12 | 1.14 | 1.14 | 1.17 | 1.19 | 1.20 | 1.17 |
| 60 | 1.22 | 1.18 | 1.21 | 1.22 | 1.25 | 1.26 | 1.24 | 1.22 | 1.21 | 1.19 | 1.19 | 1.20 | 1.16 | 1.18 | 1.19 | 1.22 | 1.23 | 1.23 | 1.21 |
| 65 | 1.27 | 1.24 | 1.24 | 1.22 | 1.21 | 1.22 | 1.21 | 1.21 | 1.22 | 1.22 | 1.23 | 1.24 | 1.20 | 1.21 | 1.23 | 1.26 | 1.26 | 1.26 | 1.26 |
| 70 | 1.04 | 1.04 | 1.03 | 1.03 | 1.04 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.06 | 1.03 | 1.03 | 1.05 | 1.06 | 1.07 | 1.06 | 1.07 |
| 75 | 0.94 | 0.94 | 0.94 | 0.94 | 0.96 | 0.97 | 0.96 | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | 0.92 | 0.92 | 0.92 | 0.94 | 0.95 | 0.94 | 0.94 |
| 80 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.91 | 0.91 | 0.90 | 0.90 | 0.89 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.88 | 0.89 | 0.89 | 0.88 |
| 85 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.80 | 0.80 | 0.81 | 0.81 | 0.80 | 0.80 | 0.82 | 0.82 | 0.82 | 0.83 | 0.84 | 0.84 | 0.84 |
| 90 | 0.63 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.63 | 0.66 | 0.66 | 0.65 | 0.63 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 95 | 0.51 | 0.50 | 0.50 | 0.50 | 0.51 | 0.51 | 0.51 | 0.51 | 0.54 | 0.54 | 0.52 | 0.51 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| 100 | 0.45 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.45 | 0.47 | 0.46 | 0.46 | 0.45 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| 105 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.53 | 0.54 | 0.53 | 0.53 | 0.53 | 0.53 | 0.52 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| 110 | 0.66 | 0.65 | 0.66 | 0.65 | 0.66 | 0.65 | 0.66 | 0.65 | 0.66 | 0.65 | 0.65 | 0.65 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| 115 | 0.75 | 0.74 | 0.75 | 0.74 | 0.75 | 0.75 | 0.75 | 0.74 | 0.75 | 0.75 | 0.75 | 0.74 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 120 | 0.85 | 0.84 | 0.84 | 0.84 | 0.85 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.83 | 0.9885 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 125 | 1.02 | 1.01 | 1.02 | 1.01 | 1.02 | 1.01 | 1.02 | 1.00 | 1.01 | 1.00 | 1.01 | 0.99 | 1.15 | 1.15 | 1.14 | 1.15 | 1.14 | 1.15 | 1.15 |
| 130 | 1.35 | 1.35 | 1.36 | 1.35 | 1.36 | 1.34 | 1.35 | 1.34 | 1.34 | 1.32 | 1.33 | 1.31 | 1.43 | 1.44 | 1.42 | 1.43 | 1.43 | 1.44 | 1.43 |
| 135 | 1.79 | 1.79 | 1.80 | 1.78 | 1.79 | 1.78 | 1.79 | 1.78 | 1.78 | 1.76 | 1.77 | 1.75 | 1.82 | 1.82 | 1.81 | 1.82 | 1.81 | 1.82 | 1.82 |
| 140 | 2.14 | 2.14 | 2.15 | 2.13 | 2.14 | 2.13 | 2.14 | 2.13 | 2.13 | 2.12 | 2.13 | 2.12 | 2.16 | 2.16 | 2.15 | 2.16 | 2.15 | 2.16 | 2.16 |
| 145 | 2.35 | 2.36 | 2.40 | 2.35 | 2.35 | 2.34 | 2.36 | 2.37 | 2.35 | 2.34 | 2.34 | 2.37 | 2.41 | 2.38 | 2.37 | 2.38 | 2.42 | 2.40 | 2.38 |
| 150 | 2.48 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.47 | 2.48 | 2.48 | 2.53 | 2.51 | 2.51 | 2.52 | 2.56 | 2.54 | 2.52 |
| 155 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.56 | 2.57 | 2.56 | 2.57 | 2.56 | 2.57 | 2.57 | 2.60 | 2.59 | 2.60 | 2.60 | 2.61 | 2.60 | 2.60 |
| 160 | 2.64 | 2.64 | 2.64 | 2.63 | 2.64 | 2.63 | 2.64 | 2.63 | 2.63 | 2.63 | 2.64 | 2.63 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 |
| 165 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 170 | 2.66 | 2.67 | 2.66 | 2.66 | 2.66 | 2.67 | 2.67 | 2.67 | 2.67 | 2.68 | 2.68 | 2.68 | 2.70 | 2.69 | 2.70 | 2.69 | 2.70 | 2.69 | 2.70 |
| 175 | 2.50 | 2.50 | 2.50 | 2.51 | 2.51 | 2.51 | 2.51 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.57 | 2.57 | 2.58 | 2.57 | 2.58 | 2.57 | 2.58 |
| 180 | 2.43 | 2.44 | 2.44 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.44 | 2.44 | 2.45 | 2.44 | 2.45 | 2.45 | 2.45 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1270A P:27.70W PF:0.9600 Lamp Flux:3130.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEC) γ (DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 2380 | 2380 | 2380 | 2380 | 2380 | | | | | | | | | | | | | | |
| 5 | 1753 | 1769 | 1712 | 1731 | 1676 | | | | | | | | | | | | | | |
| 10 | 687 | 698 | 676 | 675 | 659 | | | | | | | | | | | | | | |
| 15 | 286 | 291 | 278 | 284 | 273 | | | | | | | | | | | | | | |
| 20 | 167 | 169 | 166 | 168 | 165 | | | | | | | | | | | | | | |
| 25 | 132 | 134 | 133 | 133 | 133 | | | | | | | | | | | | | | |
| 30 | 97.9 | 99.7 | 94.4 | 96.1 | 93.8 | | | | | | | | | | | | | | |
| 35 | 26.7 | 27.6 | 24.7 | 26.3 | 24.3 | | | | | | | | | | | | | | |
| 40 | 6.50 | 6.05 | 5.65 | 5.82 | 5.39 | | | | | | | | | | | | | | |
| 45 | 2.25 | 2.21 | 2.02 | 2.03 | 1.90 | | | | | | | | | | | | | | |
| 50 | 1.31 | 1.28 | 1.22 | 1.20 | 1.17 | | | | | | | | | | | | | | |
| 55 | 1.15 | 1.13 | 1.10 | 1.08 | 1.08 | | | | | | | | | | | | | | |
| 60 | 1.21 | 1.19 | 1.18 | 1.16 | 1.22 | | | | | | | | | | | | | | |
| 65 | 1.26 | 1.24 | 1.23 | 1.23 | 1.26 | | | | | | | | | | | | | | |
| 70 | 1.06 | 1.04 | 1.03 | 1.03 | 1.03 | | | | | | | | | | | | | | |
| 75 | 0.94 | 0.93 | 0.93 | 0.92 | 0.93 | | | | | | | | | | | | | | |
| 80 | 0.89 | 0.89 | 0.90 | 0.88 | 0.88 | | | | | | | | | | | | | | |
| 85 | 0.84 | 0.87 | 0.89 | 0.84 | 0.83 | | | | | | | | | | | | | | |
| 90 | 0.77 | 0.83 | 0.86 | 0.79 | 0.76 | | | | | | | | | | | | | | |
| 95 | 0.78 | 0.81 | 0.82 | 0.78 | 0.76 | | | | | | | | | | | | | | |
| 100 | 0.77 | 0.79 | 0.78 | 0.78 | 0.77 | | | | | | | | | | | | | | |
| 105 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | | | | | | | | | | | | | | |
| 110 | 0.85 | 0.84 | 0.85 | 0.84 | 0.85 | | | | | | | | | | | | | | |
| 115 | 0.90 | 0.90 | 0.91 | 0.90 | 0.91 | | | | | | | | | | | | | | |
| 120 | 0.99 | 0.99 | 1.00 | 0.99 | 1.00 | | | | | | | | | | | | | | |
| 125 | 1.16 | 1.15 | 1.16 | 1.15 | 1.17 | | | | | | | | | | | | | | |
| 130 | 1.44 | 1.44 | 1.45 | 1.45 | 1.46 | | | | | | | | | | | | | | |
| 135 | 1.83 | 1.83 | 1.85 | 1.84 | 1.85 | | | | | | | | | | | | | | |
| 140 | 2.16 | 2.16 | 2.18 | 2.17 | 2.18 | | | | | | | | | | | | | | |
| 145 | 2.38 | 2.39 | 2.42 | 2.40 | 2.39 | | | | | | | | | | | | | | |
| 150 | 2.52 | 2.52 | 2.53 | 2.52 | 2.53 | | | | | | | | | | | | | | |
| 155 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | | | | | | | | | | | | | | |
| 160 | 2.65 | 2.65 | 2.66 | 2.65 | 2.66 | | | | | | | | | | | | | | |
| 165 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | | | | | | | | | | | | | | |
| 170 | 2.69 | 2.70 | 2.69 | 2.69 | 2.69 | | | | | | | | | | | | | | |
| 175 | 2.57 | 2.57 | 2.56 | 2.56 | 2.55 | | | | | | | | | | | | | | |
| 180 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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: