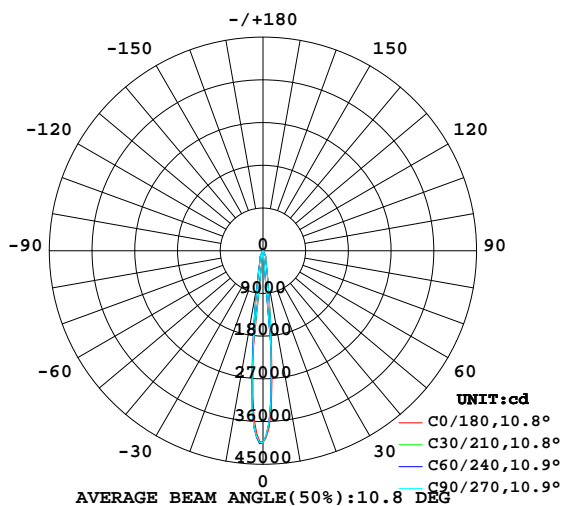


LUMINAIRE PHOTOMETRIC TEST REPORT

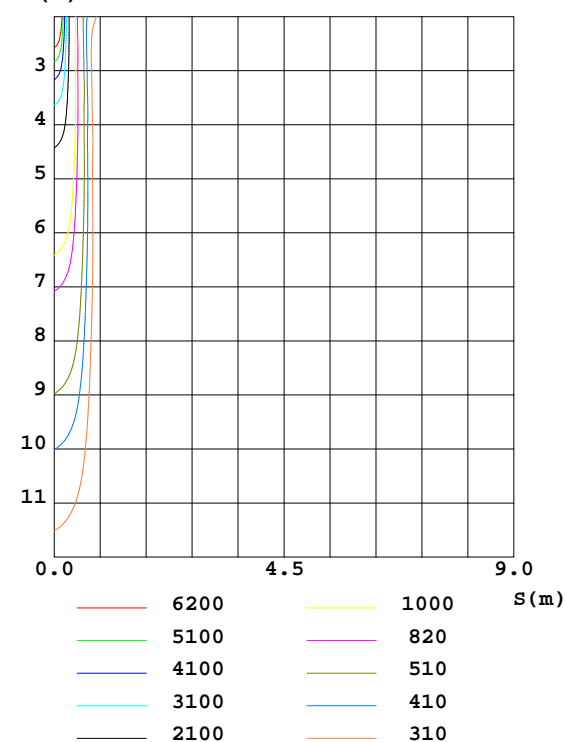
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 83.82 lm/W | | | |
|------------------|-------------------|----------------------------------|--------|-------------------|----------|
| MODEL | TL18-40W-930-W-12 | I _{max} (cd) | 40688 | S/MH(C0/180) | 0.18 |
| NOMINAL POWER(W) | 0 | LOR(%) | 100.0 | S/MH(C90/270) | 0.17 |
| RATED VOLTAGE(V) | 0 | TOTAL FLUX(lm) | 3252.3 | η UP,DN(C0-180) | 1.3,46.0 |
| NOMINAL FLUX(lm) | 3252.35 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,51.3 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 0.0 | 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:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [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 | 590.8 | 556.0 | 547.2 | 624.6 | 699.9 | 701.5 | 695.3 | 634.4 | 0- 10 | 1606 | 1606 | 49.4,49.4 |
| 20 | 167.7 | 169.3 | 168.2 | 173.4 | 176.8 | 177.5 | 176.7 | 165.7 | 10- 20 | 809.1 | 2415 | 74.3,74.3 |
| 30 | 41.66 | 43.94 | 40.75 | 50.01 | 60.39 | 62.47 | 59.48 | 46.91 | 20- 30 | 578.8 | 2994 | 92.1,92.1 |
| 40 | 5.628 | 6.236 | 6.155 | 6.159 | 6.137 | 6.449 | 6.160 | 5.525 | 30- 40 | 92.99 | 3087 | 94.9,94.9 |
| 50 | 1.970 | 2.130 | 2.054 | 2.224 | 2.050 | 2.162 | 2.020 | 1.868 | 40- 50 | 28.18 | 3115 | 95.8,95.8 |
| 60 | 1.473 | 1.519 | 1.502 | 1.568 | 1.450 | 1.499 | 1.399 | 1.379 | 50- 60 | 15.09 | 3130 | 96.2,96.2 |
| 70 | 1.290 | 1.317 | 1.292 | 1.323 | 1.276 | 1.321 | 1.265 | 1.252 | 60- 70 | 13.81 | 3144 | 96.7,96.7 |
| 80 | 1.049 | 1.055 | 1.038 | 1.059 | 1.027 | 1.048 | 1.024 | 1.023 | 70- 80 | 12.18 | 3156 | 97,97 |
| 90 | 0.6903 | 0.6620 | 0.6709 | 0.6836 | 0.8301 | 0.8375 | 0.8314 | 0.8042 | 80- 90 | 10.04 | 3166 | 97.4,97.4 |
| 100 | 0.4307 | 0.4245 | 0.4269 | 0.4235 | 0.8255 | 0.8201 | 0.8145 | 0.8142 | 90-100 | 7.331 | 3174 | 97.6,97.6 |
| 110 | 0.6750 | 0.6829 | 0.6862 | 0.6735 | 0.8662 | 0.8647 | 0.8608 | 0.8616 | 100-110 | 7.265 | 3181 | 97.8,97.8 |
| 120 | 0.8221 | 0.8301 | 0.8324 | 0.8196 | 0.9871 | 0.9849 | 0.9824 | 0.9886 | 110-120 | 8.270 | 3189 | 98.1,98.1 |
| 130 | 1.373 | 1.391 | 1.392 | 1.332 | 1.431 | 1.414 | 1.413 | 1.450 | 120-130 | 9.747 | 3199 | 98.4,98.4 |
| 140 | 2.306 | 2.311 | 2.309 | 2.275 | 2.303 | 2.289 | 2.287 | 2.313 | 130-140 | 14.54 | 3213 | 98.8,98.8 |
| 150 | 2.639 | 2.639 | 2.637 | 2.621 | 2.674 | 2.662 | 2.661 | 2.668 | 140-150 | 15.65 | 3229 | 99.3,99.3 |
| 160 | 2.799 | 2.803 | 2.801 | 2.795 | 2.820 | 2.807 | 2.811 | 2.810 | 150-160 | 12.66 | 3242 | 99.7,99.7 |
| 170 | 2.810 | 2.816 | 2.818 | 2.827 | 2.852 | 2.840 | 2.847 | 2.838 | 160-170 | 8.025 | 3250 | 99.9,99.9 |
| 180 | 2.399 | 2.435 | 2.458 | 2.471 | 2.411 | 2.428 | 2.463 | 2.468 | 170-180 | 2.596 | 3252 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

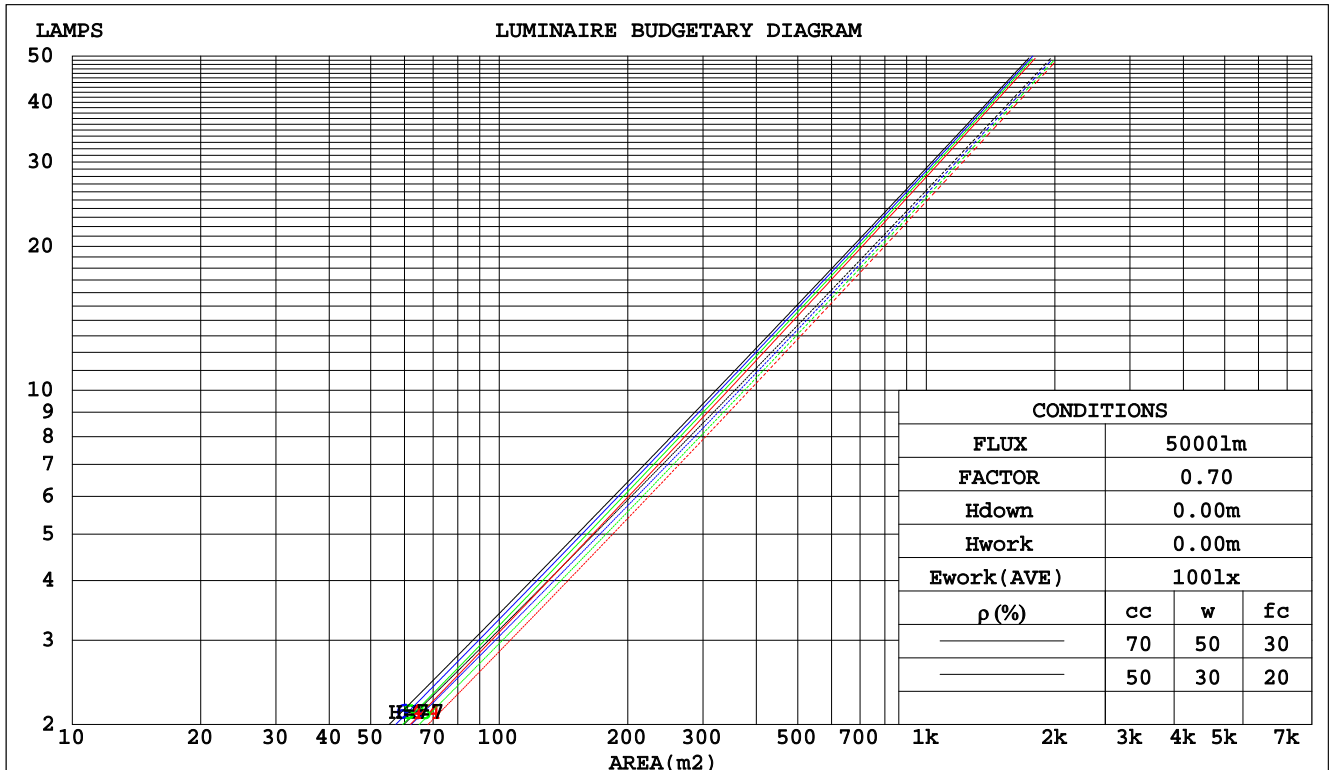
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 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 | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| 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 | 1.12 | 1.10 | 1.08 | 1.10 | 1.08 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .97 | .97 | .96 | .94 |
| 2.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.02 | 1.00 | 1.02 | .99 | .98 | .98 | .97 | .95 | .95 | .94 | .93 | .91 |
| 3.0 | 1.03 | .99 | .96 | 1.01 | .98 | .95 | .98 | .96 | .93 | .96 | .93 | .92 | .93 | .91 | .90 | .89 |
| 4.0 | .99 | .95 | .92 | .98 | .94 | .91 | .95 | .92 | .90 | .93 | .91 | .89 | .91 | .89 | .88 | .86 |
| 5.0 | .95 | .91 | .89 | .94 | .91 | .88 | .93 | .89 | .87 | .91 | .88 | .86 | .89 | .87 | .85 | .84 |
| 6.0 | .93 | .89 | .86 | .92 | .88 | .85 | .90 | .87 | .85 | .89 | .86 | .84 | .87 | .85 | .83 | .82 |
| 7.0 | .90 | .86 | .83 | .89 | .85 | .83 | .88 | .85 | .82 | .87 | .84 | .82 | .85 | .83 | .81 | .80 |
| 8.0 | .88 | .84 | .81 | .87 | .83 | .81 | .86 | .83 | .80 | .85 | .82 | .80 | .84 | .81 | .79 | .78 |
| 9.0 | .85 | .81 | .79 | .85 | .81 | .79 | .84 | .81 | .78 | .83 | .80 | .78 | .82 | .80 | .78 | .77 |
| 10.0 | .83 | .80 | .77 | .83 | .79 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .81 | .78 | .76 | .75 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 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 | .139 | .079 | .025 | .132 | .075 | .024 | .118 | .068 | .022 | .105 | .061 | .019 | .093 | .054 | .017 | | |
| 2.0 | .127 | .070 | .021 | .121 | .067 | .021 | .109 | .061 | .019 | .099 | .055 | .017 | .089 | .050 | .016 | | |
| 3.0 | .117 | .062 | .019 | .112 | .060 | .018 | .102 | .055 | .017 | .093 | .051 | .016 | .085 | .047 | .015 | | |
| 4.0 | .109 | .057 | .017 | .104 | .055 | .016 | .096 | .051 | .015 | .088 | .047 | .014 | .081 | .044 | .013 | | |
| 5.0 | .102 | .052 | .015 | .098 | .050 | .015 | .091 | .047 | .014 | .084 | .044 | .013 | .078 | .041 | .012 | | |
| 6.0 | .095 | .048 | .014 | .092 | .047 | .013 | .086 | .044 | .013 | .080 | .042 | .012 | .075 | .039 | .012 | | |
| 7.0 | .090 | .045 | .013 | .087 | .043 | .012 | .082 | .041 | .012 | .076 | .039 | .011 | .072 | .037 | .011 | | |
| 8.0 | .085 | .042 | .012 | .083 | .041 | .012 | .078 | .039 | .011 | .073 | .037 | .011 | .069 | .035 | .010 | | |
| 9.0 | .081 | .039 | .011 | .079 | .038 | .011 | .074 | .037 | .010 | .070 | .035 | .010 | .066 | .034 | .010 | | |
| 10.0 | .077 | .037 | .010 | .075 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 | .064 | .032 | .009 | | |

| 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 | .145 | .111 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | |
| 2.0 | .171 | .153 | .138 | .146 | .132 | .120 | .100 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | |
| 3.0 | .156 | .134 | .116 | .133 | .115 | .101 | .092 | .080 | .071 | .053 | .047 | .042 | .017 | .015 | .014 | |
| 4.0 | .143 | .119 | .100 | .123 | .102 | .087 | .084 | .071 | .061 | .049 | .042 | .036 | .016 | .014 | .012 | |
| 5.0 | .132 | .106 | .087 | .114 | .092 | .076 | .078 | .064 | .053 | .045 | .038 | .032 | .015 | .012 | .010 | |
| 6.0 | .123 | .096 | .077 | .106 | .083 | .067 | .073 | .058 | .047 | .042 | .034 | .028 | .014 | .011 | .009 | |
| 7.0 | .115 | .088 | .069 | .099 | .076 | .060 | .068 | .053 | .043 | .040 | .031 | .025 | .013 | .010 | .008 | |
| 8.0 | .108 | .081 | .062 | .093 | .070 | .054 | .065 | .049 | .039 | .038 | .029 | .023 | .012 | .010 | .008 | |
| 9.0 | .103 | .075 | .057 | .088 | .065 | .050 | .061 | .046 | .035 | .036 | .027 | .021 | .012 | .009 | .007 | |
| 10.0 | .097 | .071 | .053 | .084 | .061 | .046 | .058 | .043 | .033 | .034 | .026 | .020 | .011 | .008 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|--------|------|----------------|-------------------|------|------|------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 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 | | 7.6 | 8.2 | 7.8 | 8.4 | 8.6 | 7.5 | 8.1 | 7.8 | 8.3 | 8.5 |
| 3H | | 8.9 | 9.5 | 9.2 | 9.7 | 9.9 | 8.8 | 9.4 | 9.1 | 9.6 | 9.9 |
| 4H | | 9.8 | 10.3 | 10.1 | 10.6 | 10.8 | 9.7 | 10.2 | 10.0 | 10.5 | 10.7 |
| 6H | | 10.9 | 11.4 | 11.2 | 11.7 | 12.0 | 10.8 | 11.3 | 11.1 | 11.6 | 11.9 |
| 8H | | 11.6 | 12.1 | 11.9 | 12.4 | 12.7 | 11.5 | 12.0 | 11.8 | 12.3 | 12.6 |
| 12H | | 12.4 | 12.9 | 12.8 | 13.2 | 13.5 | 12.3 | 12.7 | 12.6 | 13.0 | 13.4 |
| 4H 2H | | 7.9 | 8.5 | 8.2 | 8.7 | 9.0 | 7.9 | 8.5 | 8.2 | 8.7 | 9.0 |
| 3H | | 9.6 | 10.1 | 10.0 | 10.4 | 10.7 | 9.5 | 10.0 | 9.9 | 10.3 | 10.6 |
| 4H | | 10.7 | 11.2 | 11.1 | 11.5 | 11.9 | 10.6 | 11.1 | 11.0 | 11.4 | 11.8 |
| 6H | | 12.1 | 12.5 | 12.5 | 12.9 | 13.3 | 12.0 | 12.4 | 12.4 | 12.8 | 13.2 |
| 8H | | 12.9 | 13.3 | 13.4 | 13.7 | 14.1 | 12.8 | 13.2 | 13.2 | 13.6 | 14.0 |
| 12H | | 13.9 | 14.2 | 14.3 | 14.6 | 15.1 | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 |
| 8H 4H | | 11.2 | 11.6 | 11.6 | 12.0 | 12.4 | 11.1 | 11.5 | 11.6 | 11.9 | 12.3 |
| 6H | | 12.9 | 13.2 | 13.3 | 13.6 | 14.1 | 12.8 | 13.1 | 13.2 | 13.5 | 14.0 |
| 8H | | 13.9 | 14.2 | 14.4 | 14.6 | 15.1 | 13.8 | 14.0 | 14.3 | 14.5 | 15.0 |
| 12H | | 15.1 | 15.3 | 15.6 | 15.8 | 16.3 | 14.9 | 15.2 | 15.4 | 15.6 | 16.2 |
| 12H 4H | | 11.3 | 11.6 | 11.8 | 12.1 | 12.5 | 11.2 | 11.6 | 11.7 | 12.0 | 12.4 |
| 6H | | 13.1 | 13.4 | 13.6 | 13.8 | 14.3 | 13.0 | 13.3 | 13.5 | 13.7 | 14.2 |
| 8H | | 14.2 | 14.4 | 14.7 | 14.9 | 15.5 | 14.1 | 14.3 | 14.6 | 14.8 | 15.3 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 1.5H | | + 0.3 / - 0.2 | | | | | + 0.4 / - 0.2 | | | | |
| 2.0H | | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |

CIE Pub.117 Corrected 3252 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

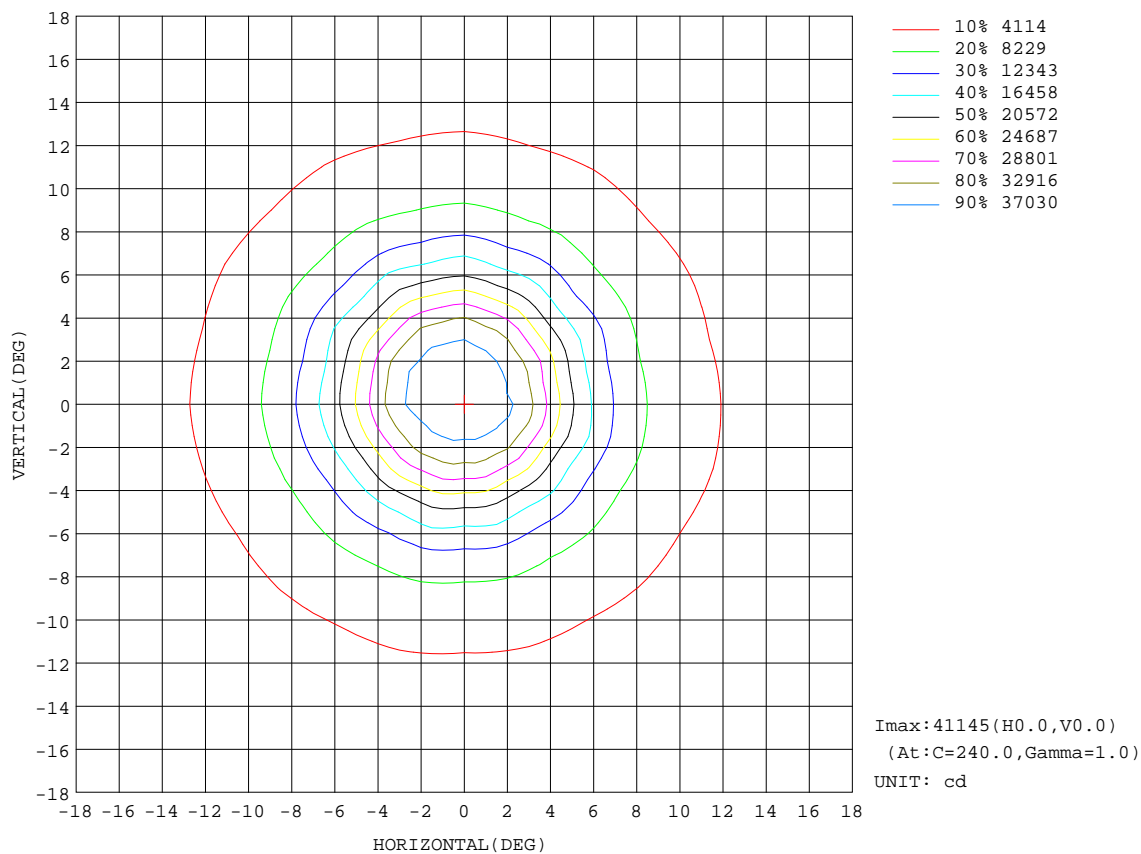
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 82 | 79 | 88 | 82 | 79 | 87 | 82 | 79 | 75 |
| 0.80 | 95 | 90 | 86 | 95 | 90 | 86 | 93 | 89 | 86 | 82 |
| 1.00 | 99 | 94 | 91 | 98 | 94 | 90 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 106 | 103 | 100 | 103 | 100 | 98 | 92 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 104 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 114 | 112 | 110 | 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:2016-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

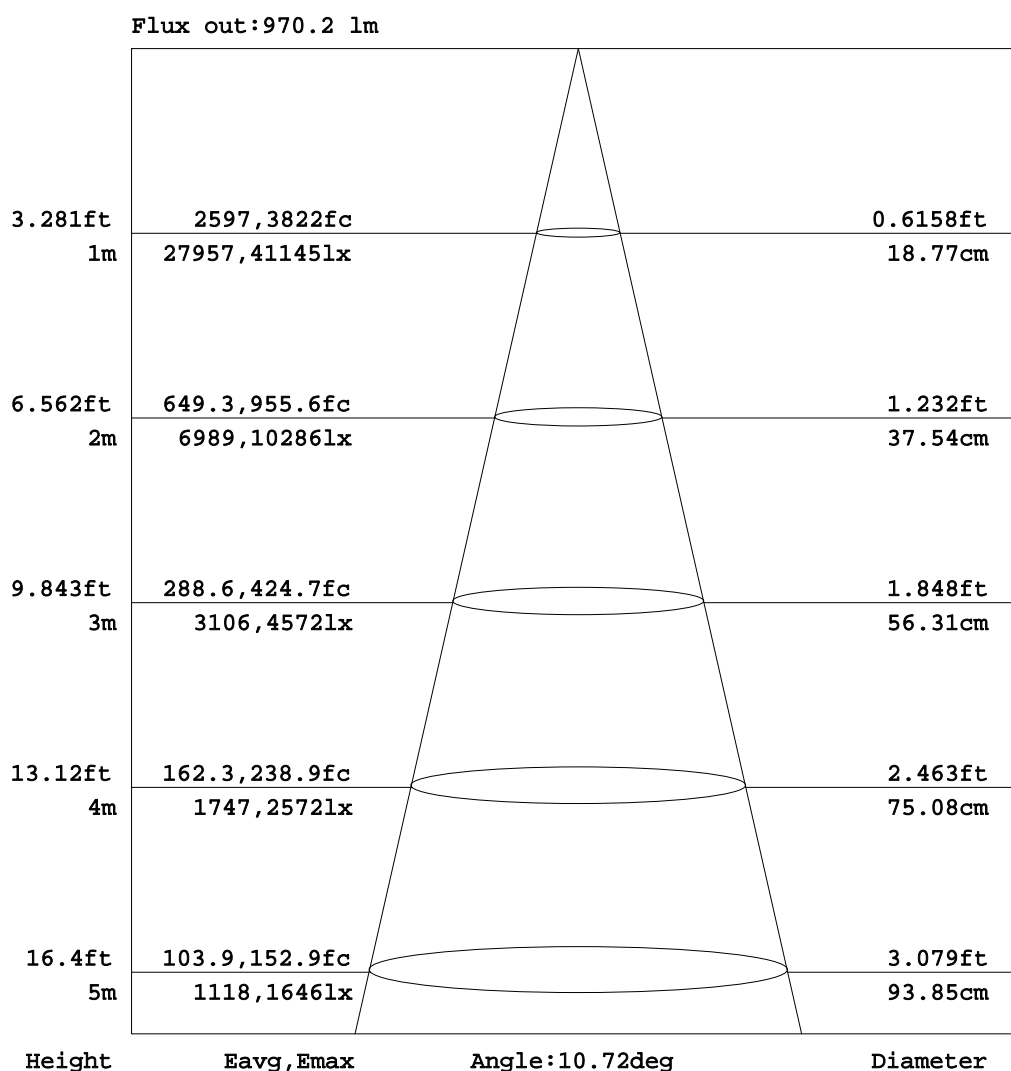


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



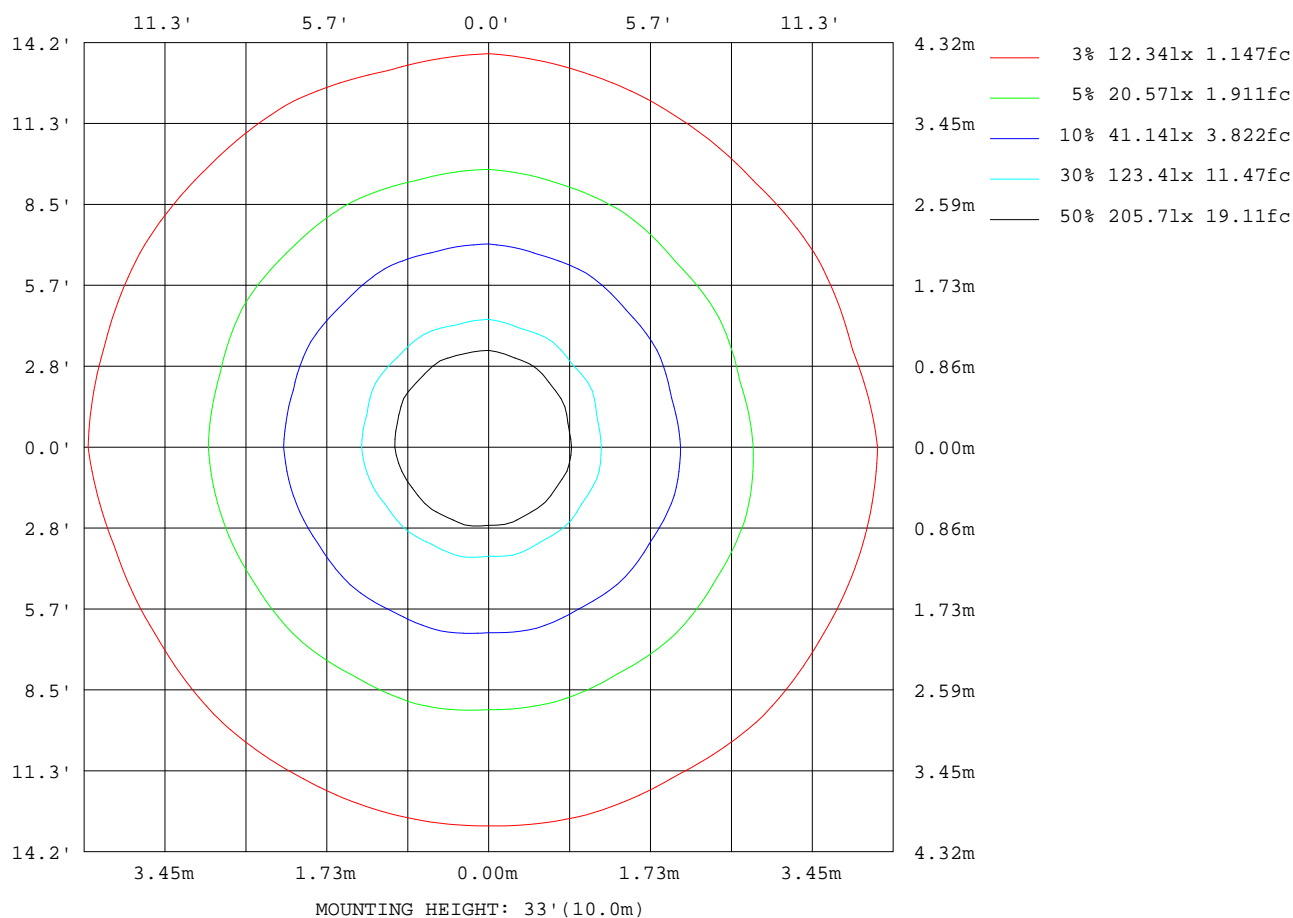
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

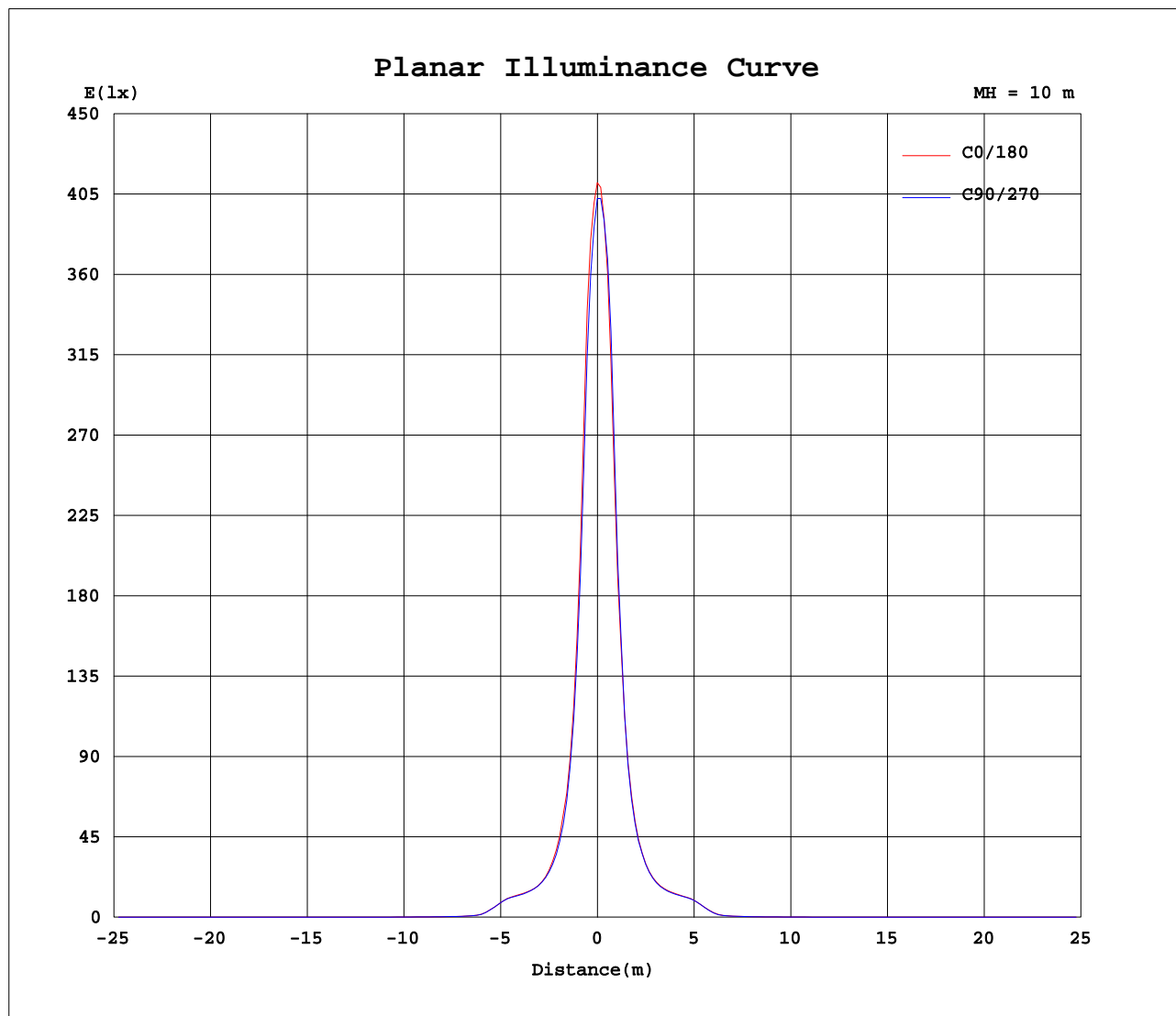
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [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: 2016-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 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 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 | 4041 |
| 5 | 2065 | 2041 | 1933 | 1955 | 1901 | 1963 | 1947 | 2048 | 2058 | 2190 | 2228 | 2386 | 2453 | 2476 | 2640 | 2610 | 2729 | 2623 | 2668 |
| 10 | 591 | 573 | 567 | 556 | 538 | 555 | 547 | 577 | 604 | 625 | 655 | 678 | 700 | 688 | 732 | 701 | 727 | 680 | 695 |
| 15 | 247 | 252 | 245 | 248 | 243 | 248 | 247 | 256 | 254 | 264 | 265 | 276 | 280 | 276 | 290 | 281 | 288 | 277 | 283 |
| 20 | 168 | 168 | 168 | 169 | 168 | 169 | 168 | 170 | 170 | 173 | 174 | 176 | 177 | 175 | 180 | 177 | 178 | 174 | 177 |
| 25 | 138 | 140 | 137 | 139 | 136 | 139 | 140 | 139 | 139 | 139 | 140 | 143 | 146 | 146 | 147 | 146 | 149 | 144 | 147 |
| 30 | 41.7 | 44.5 | 40.3 | 43.9 | 39.3 | 43.0 | 40.7 | 44.5 | 43.4 | 50.0 | 51.9 | 57.0 | 60.4 | 61.4 | 65.2 | 62.5 | 65.9 | 59.5 | 59.5 |
| 35 | 9.93 | 10.2 | 10.2 | 10.7 | 10.2 | 10.4 | 10.2 | 10.7 | 10.6 | 11.0 | 10.8 | 11.5 | 11.7 | 11.7 | 12.5 | 12.2 | 12.5 | 11.6 | 11.6 |
| 40 | 5.63 | 5.88 | 6.03 | 6.24 | 6.05 | 6.09 | 6.15 | 6.29 | 6.25 | 6.16 | 5.94 | 6.04 | 6.14 | 6.24 | 6.57 | 6.45 | 6.58 | 6.20 | 6.16 |
| 45 | 3.18 | 3.28 | 3.27 | 3.37 | 3.23 | 3.26 | 3.29 | 3.48 | 3.55 | 3.68 | 3.59 | 3.63 | 3.61 | 3.63 | 3.81 | 3.75 | 3.87 | 3.67 | 3.70 |
| 50 | 1.97 | 2.02 | 2.07 | 2.13 | 2.07 | 2.04 | 2.05 | 2.08 | 2.13 | 2.22 | 2.26 | 2.19 | 2.05 | 2.05 | 2.14 | 2.16 | 2.15 | 2.04 | 2.02 |
| 55 | 1.61 | 1.65 | 1.68 | 1.71 | 1.68 | 1.65 | 1.68 | 1.69 | 1.74 | 1.79 | 1.80 | 1.74 | 1.62 | 1.63 | 1.68 | 1.71 | 1.69 | 1.62 | 1.57 |
| 60 | 1.47 | 1.49 | 1.50 | 1.52 | 1.50 | 1.49 | 1.50 | 1.50 | 1.54 | 1.57 | 1.58 | 1.55 | 1.45 | 1.46 | 1.48 | 1.50 | 1.48 | 1.43 | 1.40 |
| 65 | 1.41 | 1.42 | 1.43 | 1.44 | 1.42 | 1.41 | 1.42 | 1.43 | 1.44 | 1.46 | 1.47 | 1.45 | 1.39 | 1.40 | 1.41 | 1.42 | 1.40 | 1.37 | 1.35 |
| 70 | 1.29 | 1.30 | 1.31 | 1.32 | 1.30 | 1.29 | 1.29 | 1.30 | 1.31 | 1.32 | 1.33 | 1.33 | 1.28 | 1.29 | 1.31 | 1.32 | 1.31 | 1.28 | 1.27 |
| 75 | 1.15 | 1.15 | 1.15 | 1.16 | 1.15 | 1.14 | 1.14 | 1.15 | 1.15 | 1.16 | 1.17 | 1.16 | 1.12 | 1.13 | 1.15 | 1.16 | 1.15 | 1.13 | 1.12 |
| 80 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 | 1.05 | 1.06 | 1.07 | 1.06 | 1.03 | 1.03 | 1.04 | 1.05 | 1.04 | 1.03 | 1.02 |
| 85 | 0.93 | 0.91 | 0.91 | 0.92 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.94 | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 | 0.93 |
| 90 | 0.69 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.67 | 0.68 | 0.68 | 0.68 | 0.71 | 0.75 | 0.83 | 0.82 | 0.84 | 0.84 | 0.84 | 0.83 | 0.83 |
| 95 | 0.52 | 0.50 | 0.49 | 0.49 | 0.49 | 0.50 | 0.50 | 0.51 | 0.51 | 0.51 | 0.54 | 0.58 | 0.83 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| 100 | 0.43 | 0.42 | 0.43 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.44 | 0.45 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 |
| 105 | 0.53 | 0.53 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.52 | 0.53 | 0.52 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| 110 | 0.68 | 0.67 | 0.68 | 0.68 | 0.69 | 0.68 | 0.69 | 0.68 | 0.68 | 0.67 | 0.68 | 0.67 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 |
| 115 | 0.75 | 0.74 | 0.75 | 0.75 | 0.76 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.74 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| 120 | 0.82 | 0.82 | 0.83 | 0.83 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.81 | 0.9871 | 0.9882 | 0.98 | 0.98 | 0.98 | 0.99 | 0.98 |
| 125 | 0.9861 | 0.98 | 1.00 | 0.9965 | 1.01 | 0.99 | 1.00 | 0.98 | 0.99 | 0.97 | 0.97 | 0.96 | 1.13 | 1.13 | 1.12 | 1.13 | 1.12 | 1.13 | 1.12 |
| 130 | 1.37 | 1.37 | 1.40 | 1.39 | 1.41 | 1.38 | 1.39 | 1.36 | 1.37 | 1.33 | 1.33 | 1.30 | 1.43 | 1.43 | 1.41 | 1.41 | 1.41 | 1.42 | 1.41 |
| 135 | 1.93 | 1.93 | 1.96 | 1.95 | 1.96 | 1.94 | 1.94 | 1.92 | 1.92 | 1.88 | 1.88 | 1.85 | 1.91 | 1.91 | 1.89 | 1.89 | 1.88 | 1.89 | 1.89 |
| 140 | 2.31 | 2.31 | 2.32 | 2.31 | 2.32 | 2.31 | 2.31 | 2.29 | 2.29 | 2.28 | 2.27 | 2.26 | 2.30 | 2.30 | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 |
| 145 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.48 | 2.48 | 2.47 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 |
| 150 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.62 | 2.62 | 2.61 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 |
| 155 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.73 | 2.74 | 2.73 | 2.73 | 2.72 | 2.72 | 2.72 | 2.77 | 2.76 | 2.76 | 2.75 | 2.76 | 2.75 | 2.76 |
| 160 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 | 2.82 | 2.81 | 2.82 | 2.81 | 2.81 | 2.80 | 2.81 |
| 165 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.83 | 2.85 | 2.84 | 2.85 | 2.84 | 2.84 | 2.83 | 2.84 |
| 170 | 2.81 | 2.82 | 2.81 | 2.82 | 2.81 | 2.82 | 2.82 | 2.82 | 2.82 | 2.83 | 2.83 | 2.83 | 2.85 | 2.84 | 2.85 | 2.84 | 2.85 | 2.84 | 2.85 |
| 175 | 2.58 | 2.59 | 2.57 | 2.59 | 2.59 | 2.60 | 2.61 | 2.62 | 2.63 | 2.65 | 2.65 | 2.65 | 2.70 | 2.69 | 2.72 | 2.71 | 2.72 | 2.71 | 2.72 |
| 180 | 2.40 | 2.42 | 2.42 | 2.44 | 2.44 | 2.45 | 2.46 | 2.47 | 2.47 | 2.47 | 2.47 | 2.45 | 2.41 | 2.41 | 2.43 | 2.43 | 2.45 | 2.45 | 2.46 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1800A P:38.80W PF:0.9490 Lamp Flux:3252.35x1 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 | 4041 | 4041 | 4041 | 4041 | 4041 | | | | | | | | | | | | | | |
| 5 | 2505 | 2503 | 2300 | 2269 | 2094 | | | | | | | | | | | | | | |
| 10 | 675 | 658 | 634 | 615 | 592 | | | | | | | | | | | | | | |
| 15 | 271 | 272 | 254 | 257 | 246 | | | | | | | | | | | | | | |
| 20 | 172 | 169 | 166 | 169 | 167 | | | | | | | | | | | | | | |
| 25 | 145 | 143 | 141 | 141 | 139 | | | | | | | | | | | | | | |
| 30 | 54.4 | 52.7 | 46.9 | 48.0 | 43.1 | | | | | | | | | | | | | | |
| 35 | 10.9 | 11.0 | 10.3 | 10.1 | 9.70 | | | | | | | | | | | | | | |
| 40 | 5.91 | 5.81 | 5.52 | 5.38 | 5.39 | | | | | | | | | | | | | | |
| 45 | 3.48 | 3.43 | 3.19 | 3.11 | 3.05 | | | | | | | | | | | | | | |
| 50 | 1.96 | 1.92 | 1.87 | 1.88 | 1.89 | | | | | | | | | | | | | | |
| 55 | 1.53 | 1.54 | 1.54 | 1.53 | 1.53 | | | | | | | | | | | | | | |
| 60 | 1.38 | 1.38 | 1.38 | 1.38 | 1.40 | | | | | | | | | | | | | | |
| 65 | 1.34 | 1.33 | 1.34 | 1.33 | 1.35 | | | | | | | | | | | | | | |
| 70 | 1.25 | 1.25 | 1.25 | 1.25 | 1.26 | | | | | | | | | | | | | | |
| 75 | 1.11 | 1.11 | 1.11 | 1.12 | 1.13 | | | | | | | | | | | | | | |
| 80 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | | | | | | | | | | | | | | |
| 85 | 0.93 | 0.93 | 0.93 | 0.94 | 0.97 | | | | | | | | | | | | | | |
| 90 | 0.82 | 0.81 | 0.80 | 0.81 | 0.88 | | | | | | | | | | | | | | |
| 95 | 0.81 | 0.81 | 0.81 | 0.81 | 0.87 | | | | | | | | | | | | | | |
| 100 | 0.81 | 0.81 | 0.81 | 0.82 | 0.84 | | | | | | | | | | | | | | |
| 105 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | | | | | | | | | | | | | | |
| 110 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | | | | | | | | | | | | | | |
| 115 | 0.91 | 0.91 | 0.91 | 0.91 | 0.92 | | | | | | | | | | | | | | |
| 120 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | | | | | | | | | | | | | | |
| 125 | 1.13 | 1.13 | 1.14 | 1.14 | 1.16 | | | | | | | | | | | | | | |
| 130 | 1.43 | 1.43 | 1.45 | 1.46 | 1.48 | | | | | | | | | | | | | | |
| 135 | 1.91 | 1.91 | 1.94 | 1.94 | 1.97 | | | | | | | | | | | | | | |
| 140 | 2.30 | 2.30 | 2.31 | 2.31 | 2.33 | | | | | | | | | | | | | | |
| 145 | 2.52 | 2.52 | 2.53 | 2.53 | 2.54 | | | | | | | | | | | | | | |
| 150 | 2.66 | 2.67 | 2.67 | 2.67 | 2.67 | | | | | | | | | | | | | | |
| 155 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | | | | | | | | | | | | | | |
| 160 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | | | | | | | | | | | | | | |
| 165 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | | | | | | | | | | | | | | |
| 170 | 2.84 | 2.84 | 2.84 | 2.84 | 2.83 | | | | | | | | | | | | | | |
| 175 | 2.71 | 2.71 | 2.70 | 2.69 | 2.67 | | | | | | | | | | | | | | |
| 180 | 2.46 | 2.47 | 2.47 | 2.47 | 2.45 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks: