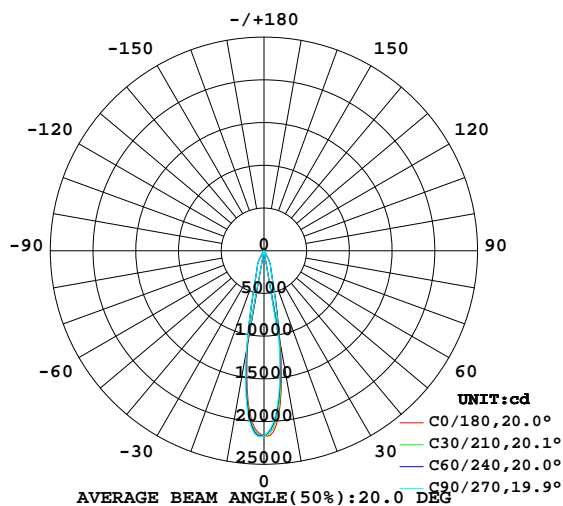


LUMINAIRE PHOTOMETRIC TEST REPORT

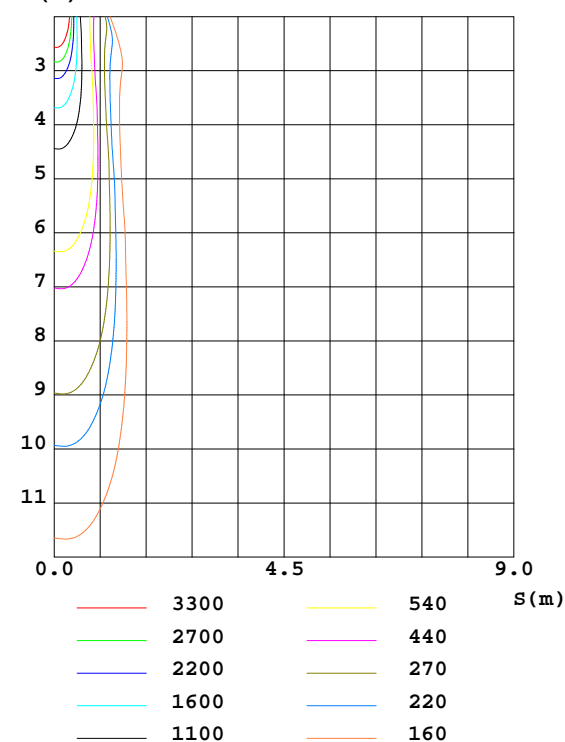
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 103.52 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|-------------------|----------|
| MODEL | TL10-40W-830-W-20 | Imax(cd) | 21850 | S/MH(C0/180) | 0.34 |
| NOMINAL POWER(W) | 38 | LOR(%) | 100.0 | S/MH(C90/270) | 0.33 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 3995.7 | η UP,DN(C0-180) | 1.3,47.5 |
| NOMINAL FLUX(lm) | 3995.73 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.8 |
| LAMPS INSIDE | 1 | η up(%) | 2.7 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.3 | 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:2016-07-26

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 | 1082 | 1059 | 989.9 | 1032 | 1097 | 1113 | 1178 | 1123 | 0- 10 | 1553 | 1553 | 38.9,38.9 |
| 20 | 237.5 | 247.7 | 241.0 | 241.8 | 246.8 | 245.4 | 250.2 | 243.0 | 10- 20 | 1358 | 2911 | 72.9,72.9 |
| 30 | 62.79 | 62.86 | 59.82 | 63.11 | 64.48 | 67.38 | 73.83 | 67.19 | 20- 30 | 751.2 | 3662 | 91.6,91.6 |
| 40 | 6.939 | 6.654 | 6.500 | 6.453 | 6.623 | 6.264 | 6.484 | 6.309 | 30- 40 | 119.8 | 3782 | 94.6,94.6 |
| 50 | 3.649 | 3.547 | 3.524 | 3.542 | 3.653 | 3.479 | 3.535 | 3.522 | 40- 50 | 36.71 | 3819 | 95.6,95.6 |
| 60 | 2.241 | 2.222 | 2.144 | 2.163 | 2.197 | 2.133 | 2.179 | 2.135 | 50- 60 | 24.56 | 3843 | 96.2,96.2 |
| 70 | 1.692 | 1.692 | 1.675 | 1.654 | 1.648 | 1.646 | 1.635 | 1.623 | 60- 70 | 18.90 | 3862 | 96.7,96.7 |
| 80 | 1.250 | 1.258 | 1.246 | 1.235 | 1.247 | 1.249 | 1.238 | 1.221 | 70- 80 | 15.22 | 3877 | 97,97 |
| 90 | 0.8158 | 0.8396 | 0.8140 | 0.8111 | 0.9839 | 1.040 | 1.008 | 0.9894 | 80- 90 | 11.84 | 3889 | 97.3,97.3 |
| 100 | 0.6023 | 0.6115 | 0.6052 | 0.6001 | 1.002 | 1.033 | 1.009 | 1.006 | 90-100 | 9.253 | 3898 | 97.6,97.6 |
| 110 | 0.7866 | 0.7919 | 0.8033 | 0.7906 | 1.064 | 1.073 | 1.067 | 1.071 | 100-110 | 9.017 | 3907 | 97.8,97.8 |
| 120 | 1.066 | 1.067 | 1.081 | 1.065 | 1.256 | 1.261 | 1.254 | 1.260 | 110-120 | 10.28 | 3918 | 98,98 |
| 130 | 1.750 | 1.765 | 1.797 | 1.765 | 1.872 | 1.862 | 1.841 | 1.858 | 120-130 | 12.82 | 3930 | 98.4,98.4 |
| 140 | 2.725 | 2.734 | 2.755 | 2.731 | 2.771 | 2.772 | 2.755 | 2.769 | 130-140 | 17.70 | 3948 | 98.8,98.8 |
| 150 | 3.229 | 3.233 | 3.244 | 3.229 | 3.271 | 3.281 | 3.274 | 3.273 | 140-150 | 19.02 | 3967 | 99.3,99.3 |
| 160 | 3.434 | 3.441 | 3.447 | 3.436 | 3.456 | 3.464 | 3.464 | 3.457 | 150-160 | 15.58 | 3983 | 99.7,99.7 |
| 170 | 3.384 | 3.392 | 3.392 | 3.395 | 3.423 | 3.434 | 3.436 | 3.431 | 160-170 | 9.803 | 3993 | 99.9,99.9 |
| 180 | 3.141 | 3.152 | 3.167 | 3.171 | 3.142 | 3.152 | 3.167 | 3.170 | 170-180 | 3.148 | 3996 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

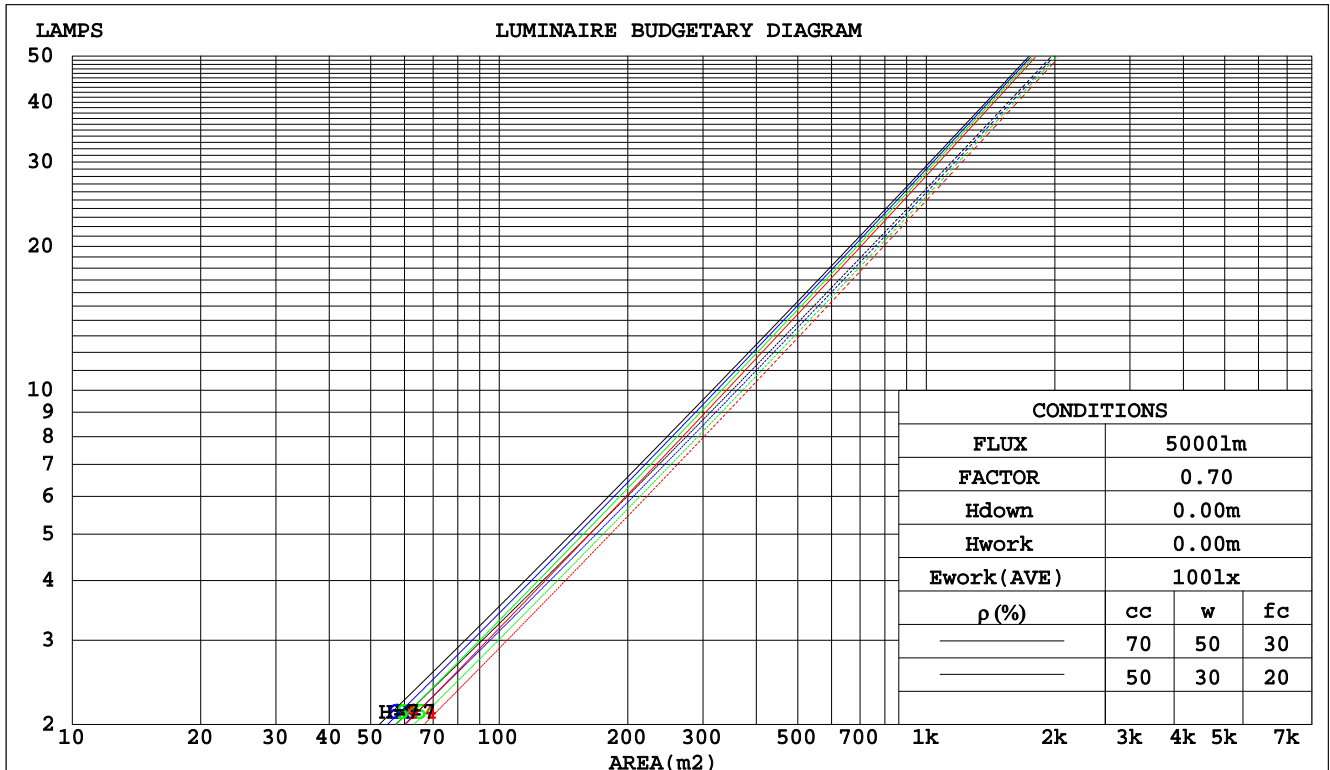
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 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) | | | | | | | | | | | | | | | |
| 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 | 1.09 | 1.08 | 1.06 | 1.05 | 1.04 | 1.02 | 1.01 | .00 | .99 | .97 | .96 | .95 | .94 |
| 2.0 | 1.06 | 1.03 | 1.00 | 1.04 | 1.02 | .99 | 1.01 | .99 | .97 | .98 | .96 | .94 | .95 | .93 | .92 | .90 |
| 3.0 | 1.02 | .98 | .95 | .00 | .97 | .94 | .97 | .94 | .92 | .94 | .92 | .90 | .92 | .90 | .89 | .87 |
| 4.0 | .97 | .93 | .90 | .96 | .92 | .89 | .94 | .91 | .88 | .92 | .89 | .87 | .90 | .87 | .86 | .84 |
| 5.0 | .94 | .89 | .86 | .93 | .89 | .86 | .91 | .87 | .85 | .89 | .86 | .84 | .87 | .85 | .83 | .82 |
| 6.0 | .90 | .86 | .83 | .90 | .86 | .83 | .88 | .85 | .82 | .87 | .84 | .81 | .85 | .83 | .81 | .79 |
| 7.0 | .87 | .83 | .80 | .87 | .83 | .80 | .85 | .82 | .79 | .84 | .81 | .79 | .83 | .80 | .78 | .77 |
| 8.0 | .85 | .81 | .78 | .84 | .80 | .77 | .83 | .80 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .75 |
| 9.0 | .82 | .78 | .75 | .82 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .74 | .79 | .76 | .74 | .73 |
| 10.0 | .80 | .76 | .73 | .80 | .76 | .73 | .79 | .75 | .73 | .78 | .75 | .73 | .77 | .74 | .72 | .71 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 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 | .138 | .079 | .025 | .124 | .071 | .023 | .111 | .064 | .021 | .100 | .058 | .019 | | |
| 2.0 | .134 | .073 | .022 | .127 | .070 | .022 | .116 | .064 | .020 | .105 | .059 | .018 | .095 | .054 | .017 | | |
| 3.0 | .124 | .066 | .020 | .119 | .064 | .019 | .109 | .059 | .018 | .100 | .055 | .017 | .091 | .050 | .016 | | |
| 4.0 | .115 | .060 | .018 | .111 | .058 | .017 | .103 | .054 | .016 | .095 | .051 | .015 | .087 | .047 | .014 | | |
| 5.0 | .108 | .055 | .016 | .104 | .054 | .016 | .097 | .051 | .015 | .090 | .048 | .014 | .084 | .045 | .013 | | |
| 6.0 | .102 | .051 | .015 | .099 | .050 | .014 | .092 | .047 | .014 | .086 | .045 | .013 | .081 | .043 | .013 | | |
| 7.0 | .097 | .048 | .014 | .094 | .047 | .013 | .088 | .045 | .013 | .083 | .042 | .012 | .078 | .040 | .012 | | |
| 8.0 | .092 | .045 | .013 | .089 | .044 | .012 | .084 | .042 | .012 | .079 | .040 | .012 | .075 | .039 | .011 | | |
| 9.0 | .087 | .042 | .012 | .085 | .041 | .012 | .081 | .040 | .011 | .076 | .038 | .011 | .072 | .037 | .011 | | |
| 10.0 | .084 | .040 | .011 | .081 | .039 | .011 | .077 | .038 | .011 | .074 | .037 | .010 | .070 | .035 | .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 | .138 | .147 | .132 | .119 | .101 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | | |
| 3.0 | .157 | .134 | .116 | .135 | .116 | .100 | .092 | .080 | .070 | .053 | .047 | .041 | .017 | .015 | .014 | | |
| 4.0 | .145 | .119 | .099 | .124 | .103 | .086 | .085 | .072 | .061 | .049 | .042 | .036 | .016 | .014 | .012 | | |
| 5.0 | .134 | .107 | .086 | .115 | .092 | .075 | .079 | .064 | .053 | .046 | .038 | .031 | .015 | .012 | .010 | | |
| 6.0 | .125 | .097 | .076 | .108 | .084 | .066 | .074 | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 | | |
| 7.0 | .118 | .089 | .068 | .101 | .077 | .059 | .070 | .054 | .042 | .041 | .032 | .025 | .013 | .010 | .008 | | |
| 8.0 | .111 | .082 | .062 | .096 | .071 | .054 | .066 | .050 | .038 | .039 | .029 | .023 | .012 | .010 | .008 | | |
| 9.0 | .106 | .076 | .057 | .091 | .066 | .049 | .063 | .047 | .035 | .037 | .027 | .021 | .012 | .009 | .007 | | |
| 10.0 | .101 | .072 | .052 | .087 | .062 | .046 | .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:2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 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 | | 9.3 | 10.0 | 9.6 | 10.2 | 10.4 | 9.2 | 9.8 | 9.4 | 10.0 | 10.2 |
| 3H | | 10.5 | 11.1 | 10.7 | 11.3 | 11.5 | 10.3 | 10.9 | 10.6 | 11.2 | 11.4 |
| 4H | | 11.2 | 11.8 | 11.5 | 12.0 | 12.3 | 11.1 | 11.7 | 11.4 | 11.9 | 12.2 |
| 6H | | 12.1 | 12.7 | 12.4 | 12.9 | 13.2 | 12.0 | 12.5 | 12.3 | 12.8 | 13.1 |
| 8H | | 12.6 | 13.2 | 13.0 | 13.5 | 13.8 | 12.5 | 13.1 | 12.9 | 13.3 | 13.6 |
| 12H | | 13.3 | 13.8 | 13.6 | 14.1 | 14.4 | 13.2 | 13.7 | 13.5 | 14.0 | 14.3 |
| 4H 2H | | 9.7 | 10.2 | 10.0 | 10.5 | 10.8 | 9.5 | 10.1 | 9.8 | 10.4 | 10.6 |
| 3H | | 11.1 | 11.6 | 11.4 | 11.9 | 12.2 | 11.0 | 11.5 | 11.3 | 11.8 | 12.1 |
| 4H | | 12.0 | 12.5 | 12.4 | 12.8 | 13.2 | 11.9 | 12.4 | 12.3 | 12.7 | 13.1 |
| 6H | | 13.2 | 13.6 | 13.6 | 14.0 | 14.4 | 13.1 | 13.5 | 13.5 | 13.9 | 14.3 |
| 8H | | 13.8 | 14.2 | 14.3 | 14.6 | 15.0 | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 |
| 12H | | 14.6 | 15.0 | 15.1 | 15.4 | 15.8 | 14.5 | 14.9 | 15.0 | 15.3 | 15.7 |
| 8H 4H | | 12.4 | 12.8 | 12.9 | 13.2 | 13.6 | 12.3 | 12.7 | 12.8 | 13.1 | 13.5 |
| 6H | | 13.8 | 14.2 | 14.3 | 14.6 | 15.1 | 13.8 | 14.1 | 14.2 | 14.5 | 15.0 |
| 8H | | 14.7 | 15.0 | 15.2 | 15.4 | 15.9 | 14.6 | 14.9 | 15.1 | 15.4 | 15.9 |
| 12H | | 15.7 | 15.9 | 16.2 | 16.4 | 16.9 | 15.6 | 15.9 | 16.1 | 16.3 | 16.9 |
| 12H 4H | | 12.5 | 12.9 | 13.0 | 13.3 | 13.7 | 12.4 | 12.8 | 12.9 | 13.2 | 13.6 |
| 6H | | 14.0 | 14.3 | 14.5 | 14.8 | 15.3 | 13.9 | 14.2 | 14.4 | 14.7 | 15.2 |
| 8H | | 15.0 | 15.2 | 15.5 | 15.7 | 16.2 | 14.9 | 15.2 | 15.4 | 15.6 | 16.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | | + 0.3 / - 0.2 | | | | | + 0.3 / - 0.2 | | | | |
| 2.0H | | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |

CIE Pub.117 Corrected 3996 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

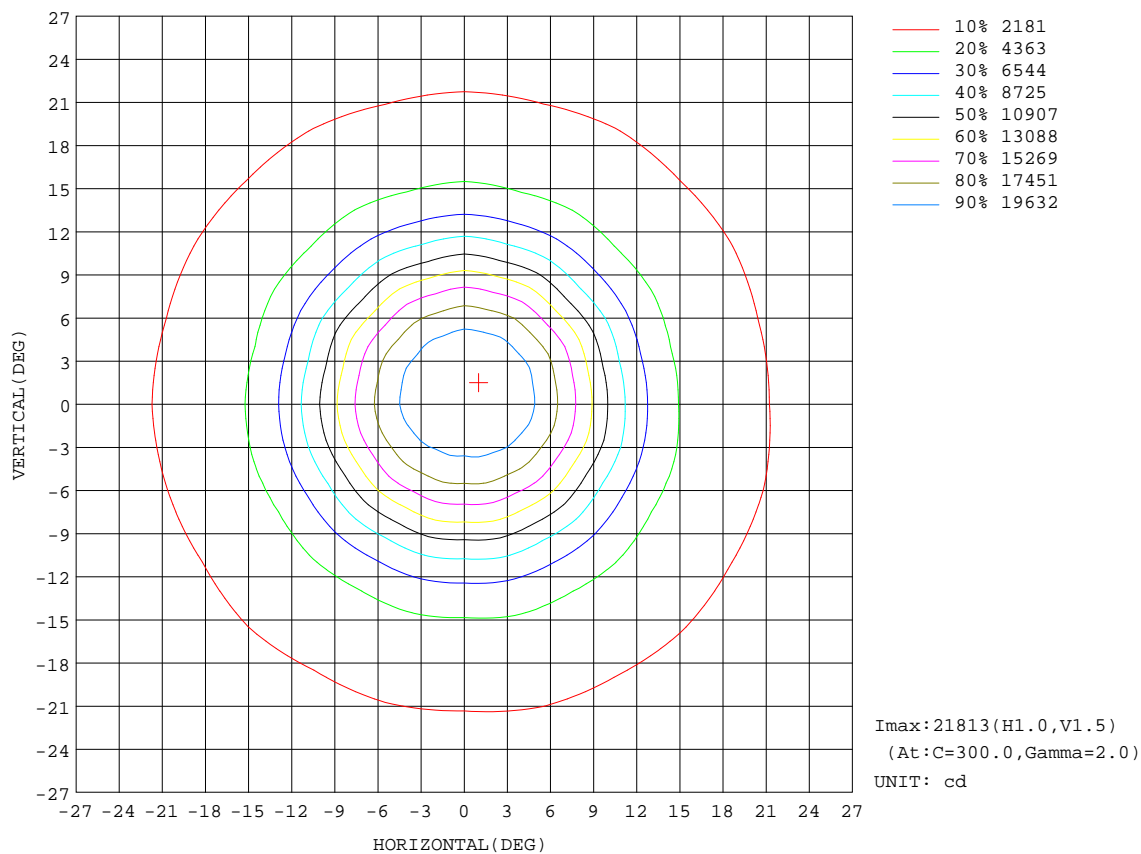
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 78 | 75 |
| 0.80 | 95 | 90 | 86 | 95 | 89 | 86 | 93 | 89 | 86 | 82 |
| 1.00 | 99 | 94 | 90 | 98 | 93 | 90 | 97 | 93 | 89 | 85 |
| 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 | 104 | 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:2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



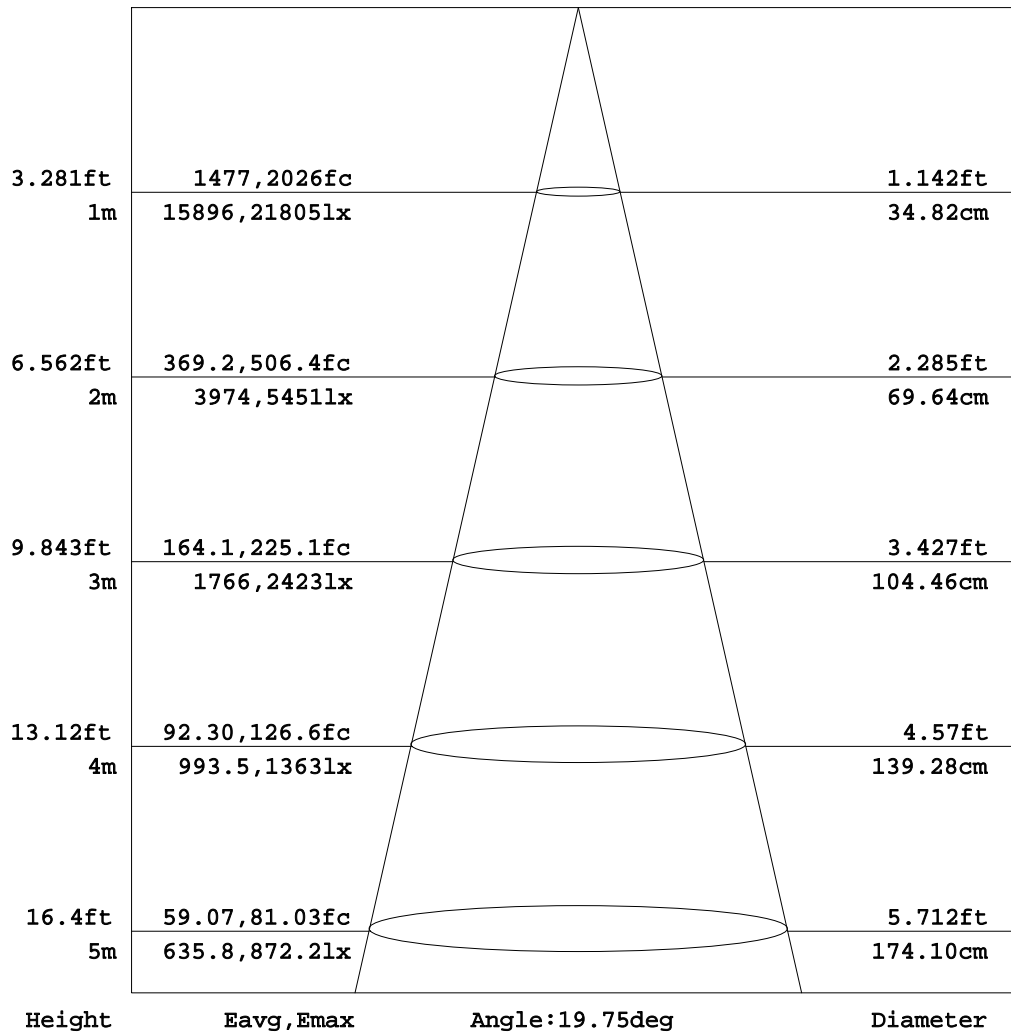
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:1553 lm



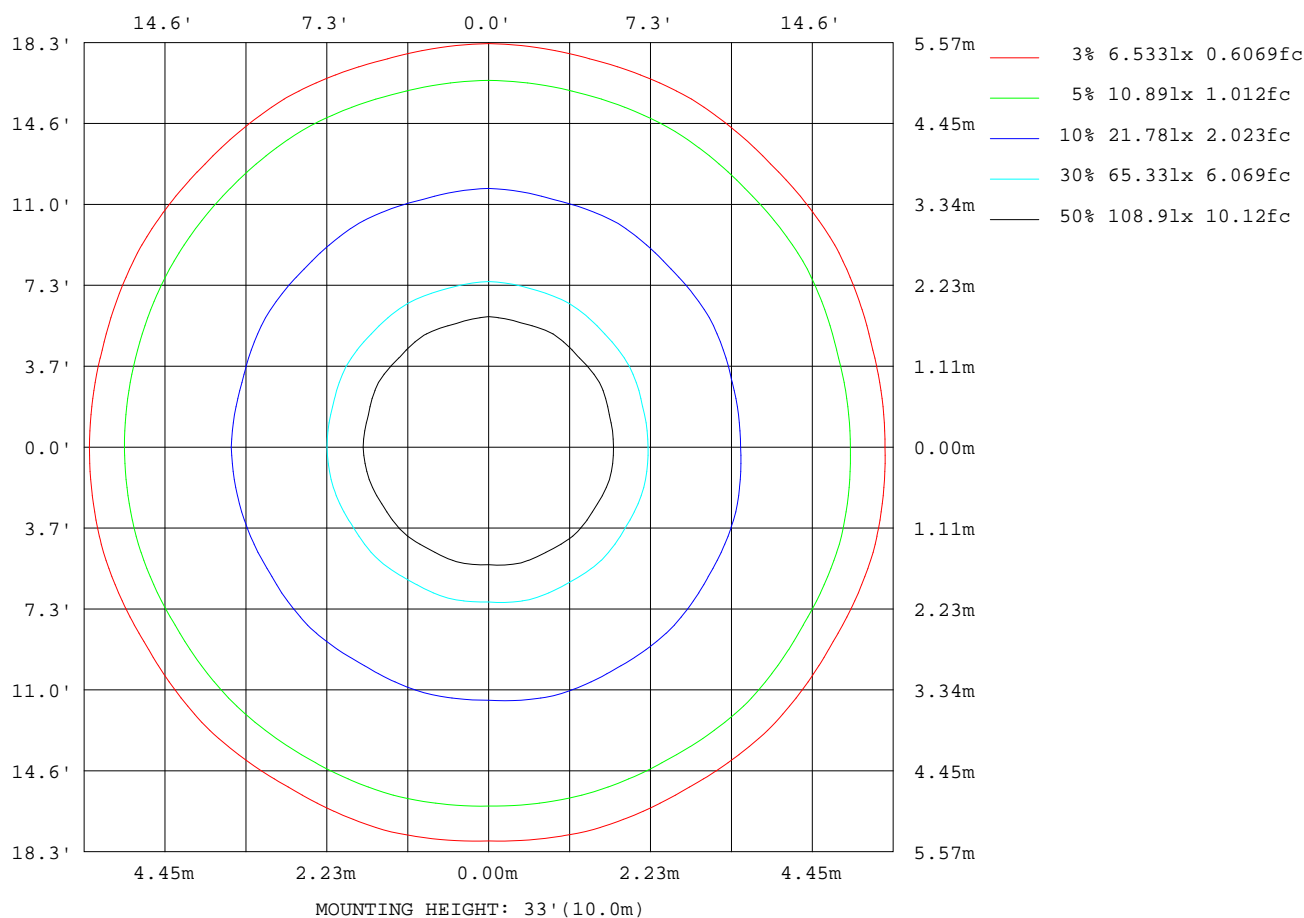
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

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

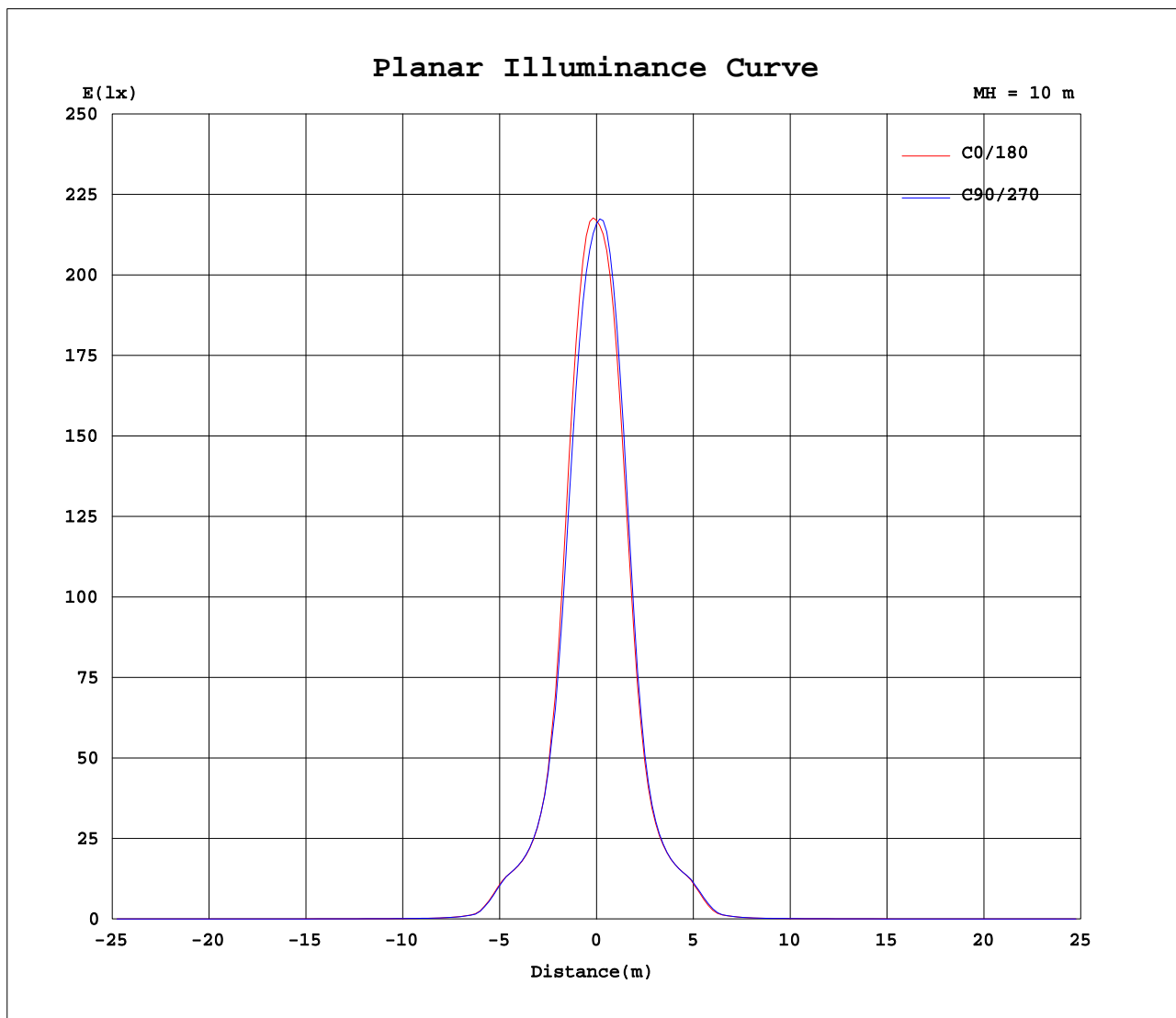
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-26

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: 2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | | |

Table--1

UNIT: ×10cd

| γ (DEG) \ C (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
| 0 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 | 2162 |
| 5 | 1946 | 1936 | 1895 | 1880 | 1844 | 1838 | 1817 | 1828 | 1827 | 1854 | 1864 | 1894 | 1906 | 1908 | 1937 | 1936 | 1966 | 1964 | 1993 |
| 10 | 1082 | 1091 | 1048 | 1059 | 1018 | 1026 | 990 | 1009 | 992 | 1032 | 1028 | 1076 | 1097 | 1082 | 1134 | 1113 | 1160 | 1132 | 1178 |
| 15 | 427 | 442 | 434 | 449 | 436 | 443 | 426 | 433 | 421 | 435 | 429 | 446 | 451 | 441 | 464 | 452 | 471 | 455 | 472 |
| 20 | 238 | 244 | 243 | 248 | 245 | 247 | 241 | 242 | 237 | 242 | 239 | 243 | 247 | 243 | 248 | 245 | 250 | 245 | 250 |
| 25 | 177 | 182 | 179 | 182 | 179 | 180 | 177 | 180 | 178 | 179 | 176 | 179 | 180 | 180 | 180 | 182 | 184 | 181 | 182 |
| 30 | 62.8 | 63.5 | 61.3 | 62.9 | 60.7 | 62.1 | 59.8 | 62.2 | 60.0 | 63.1 | 61.6 | 64.9 | 64.5 | 65.5 | 68.9 | 67.4 | 73.3 | 69.4 | 73.8 |
| 35 | 14.6 | 15.4 | 14.3 | 15.4 | 14.2 | 15.1 | 13.9 | 14.7 | 13.7 | 14.9 | 13.8 | 15.0 | 15.1 | 14.2 | 15.3 | 14.2 | 15.3 | 14.2 | 15.4 |
| 40 | 6.94 | 6.77 | 6.86 | 6.65 | 6.58 | 6.66 | 6.50 | 6.49 | 6.39 | 6.45 | 6.35 | 6.55 | 6.62 | 6.40 | 6.43 | 6.26 | 6.41 | 6.29 | 6.48 |
| 45 | 4.77 | 4.80 | 4.73 | 4.72 | 4.70 | 4.72 | 4.66 | 4.66 | 4.61 | 4.64 | 4.64 | 4.76 | 4.79 | 4.67 | 4.64 | 4.57 | 4.61 | 4.57 | 4.64 |
| 50 | 3.65 | 3.65 | 3.58 | 3.55 | 3.53 | 3.54 | 3.52 | 3.53 | 3.52 | 3.54 | 3.56 | 3.66 | 3.65 | 3.57 | 3.53 | 3.48 | 3.51 | 3.49 | 3.53 |
| 55 | 2.76 | 2.78 | 2.74 | 2.72 | 2.68 | 2.65 | 2.62 | 2.62 | 2.62 | 2.67 | 2.70 | 2.78 | 2.76 | 2.69 | 2.66 | 2.62 | 2.66 | 2.66 | 2.68 |
| 60 | 2.24 | 2.24 | 2.23 | 2.22 | 2.21 | 2.17 | 2.14 | 2.13 | 2.13 | 2.16 | 2.17 | 2.23 | 2.20 | 2.17 | 2.14 | 2.13 | 2.17 | 2.17 | 2.18 |
| 65 | 1.95 | 1.95 | 1.95 | 1.96 | 1.95 | 1.93 | 1.92 | 1.93 | 1.89 | 1.90 | 1.92 | 1.95 | 1.90 | 1.89 | 1.89 | 1.89 | 1.90 | 1.88 | 1.89 |
| 70 | 1.69 | 1.70 | 1.70 | 1.69 | 1.70 | 1.68 | 1.67 | 1.67 | 1.65 | 1.65 | 1.66 | 1.69 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.63 | 1.63 |
| 75 | 1.46 | 1.47 | 1.46 | 1.47 | 1.45 | 1.44 | 1.43 | 1.43 | 1.41 | 1.43 | 1.43 | 1.47 | 1.44 | 1.43 | 1.44 | 1.44 | 1.44 | 1.43 | 1.43 |
| 80 | 1.25 | 1.25 | 1.26 | 1.26 | 1.25 | 1.25 | 1.25 | 1.24 | 1.23 | 1.23 | 1.24 | 1.26 | 1.25 | 1.24 | 1.24 | 1.25 | 1.25 | 1.24 | 1.24 |
| 85 | 1.05 | 1.05 | 1.23 | 1.10 | 1.06 | 1.05 | 1.05 | 1.05 | 1.04 | 1.05 | 1.05 | 1.06 | 1.11 | 1.11 | 1.29 | 1.28 | 1.13 | 1.11 | 1.11 |
| 90 | 0.82 | 0.82 | 0.87 | 0.84 | 0.83 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.82 | 0.98 | 0.99 | 1.07 | 1.04 | 1.02 | 1.00 | 1.01 |
| 95 | 0.67 | 0.67 | 0.72 | 0.69 | 0.68 | 0.66 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.67 | 0.99 | 0.998 | 1.07 | 1.04 | 1.02 | 1.00 | 1.01 |
| 100 | 0.60 | 0.60 | 0.62 | 0.61 | 0.61 | 0.60 | 0.61 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 1.00 | 1.01 | 1.04 | 1.03 | 1.01 | 1.01 | 1.01 |
| 105 | 0.65 | 0.65 | 0.67 | 0.66 | 0.67 | 0.66 | 0.67 | 0.66 | 0.67 | 0.66 | 0.67 | 0.66 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| 110 | 0.79 | 0.78 | 0.80 | 0.79 | 0.80 | 0.79 | 0.80 | 0.80 | 0.80 | 0.79 | 0.80 | 0.79 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 115 | 0.92 | 0.92 | 0.93 | 0.92 | 0.93 | 0.92 | 0.93 | 0.92 | 0.93 | 0.92 | 0.93 | 0.92 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| 120 | 1.07 | 1.06 | 1.07 | 1.07 | 1.08 | 1.07 | 1.08 | 1.07 | 1.08 | 1.06 | 1.07 | 1.06 | 1.26 | 1.26 | 1.25 | 1.26 | 1.26 | 1.26 | 1.25 |
| 125 | 1.32 | 1.32 | 1.34 | 1.33 | 1.35 | 1.33 | 1.35 | 1.34 | 1.35 | 1.32 | 1.34 | 1.32 | 1.49 | 1.49 | 1.48 | 1.49 | 1.48 | 1.48 | 1.47 |
| 130 | 1.75 | 1.74 | 1.77 | 1.77 | 1.79 | 1.77 | 1.80 | 1.78 | 1.79 | 1.76 | 1.78 | 1.75 | 1.87 | 1.88 | 1.85 | 1.86 | 1.85 | 1.86 | 1.84 |
| 135 | 2.27 | 2.26 | 2.29 | 2.28 | 2.31 | 2.29 | 2.32 | 2.30 | 2.31 | 2.28 | 2.30 | 2.27 | 2.34 | 2.35 | 2.33 | 2.33 | 2.32 | 2.33 | 2.31 |
| 140 | 2.72 | 2.72 | 2.74 | 2.73 | 2.75 | 2.74 | 2.75 | 2.74 | 2.75 | 2.73 | 2.74 | 2.72 | 2.77 | 2.78 | 2.76 | 2.77 | 2.76 | 2.77 | 2.76 |
| 145 | 3.03 | 3.03 | 3.04 | 3.04 | 3.05 | 3.04 | 3.05 | 3.04 | 3.05 | 3.03 | 3.04 | 3.02 | 3.07 | 3.09 | 3.07 | 3.08 | 3.07 | 3.08 | 3.07 |
| 150 | 3.23 | 3.23 | 3.23 | 3.23 | 3.24 | 3.23 | 3.24 | 3.23 | 3.24 | 3.23 | 3.23 | 3.22 | 3.27 | 3.28 | 3.27 | 3.28 | 3.27 | 3.28 | 3.27 |
| 155 | 3.36 | 3.36 | 3.37 | 3.37 | 3.37 | 3.37 | 3.37 | 3.36 | 3.37 | 3.36 | 3.37 | 3.35 | 3.39 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 |
| 160 | 3.43 | 3.44 | 3.44 | 3.44 | 3.44 | 3.44 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.44 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 |
| 165 | 3.46 | 3.46 | 3.46 | 3.46 | 3.47 | 3.46 | 3.47 | 3.46 | 3.47 | 3.46 | 3.46 | 3.46 | 3.47 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 |
| 170 | 3.38 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.40 | 3.40 | 3.42 | 3.43 | 3.43 | 3.43 | 3.44 | 3.43 | 3.44 |
| 175 | 3.19 | 3.20 | 3.19 | 3.19 | 3.19 | 3.19 | 3.19 | 3.19 | 3.20 | 3.20 | 3.20 | 3.21 | 3.24 | 3.24 | 3.25 | 3.26 | 3.27 | 3.27 | 3.28 |
| 180 | 3.14 | 3.15 | 3.15 | 3.15 | 3.16 | 3.16 | 3.17 | 3.17 | 3.17 | 3.17 | 3.18 | 3.18 | 3.14 | 3.15 | 3.15 | 3.15 | 3.16 | 3.16 | 3.17 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-26

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:0.1790A P:38.60W PF:0.9490 Lamp Flux:3995.73x1 lm | | | | | |
| NAME: | | | TYPE: | | WEIGHT: |
| DIM.: | | | SPEC.: | | SERIAL No.: |
| MFR.: Rayconn | | | SUR.: | | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | |
|---------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| γ (DEC) | | | | | | | | | | | | | | | | | | |
| 0 | 2162 | 2162 | 2162 | 2162 | 2162 | | | | | | | | | | | | | |
| 5 | 1984 | 2004 | 1984 | 1992 | 1960 | | | | | | | | | | | | | |
| 10 | 1142 | 1177 | 1123 | 1147 | 1087 | | | | | | | | | | | | | |
| 15 | 452 | 466 | 442 | 450 | 426 | | | | | | | | | | | | | |
| 20 | 244 | 250 | 243 | 245 | 238 | | | | | | | | | | | | | |
| 25 | 182 | 183 | 180 | 182 | 176 | | | | | | | | | | | | | |
| 30 | 69.0 | 72.2 | 67.2 | 67.8 | 62.9 | | | | | | | | | | | | | |
| 35 | 14.5 | 15.5 | 14.3 | 15.3 | 14.5 | | | | | | | | | | | | | |
| 40 | 6.33 | 6.44 | 6.31 | 6.54 | 6.85 | | | | | | | | | | | | | |
| 45 | 4.57 | 4.62 | 4.60 | 4.71 | 4.73 | | | | | | | | | | | | | |
| 50 | 3.50 | 3.54 | 3.52 | 3.59 | 3.59 | | | | | | | | | | | | | |
| 55 | 2.63 | 2.65 | 2.64 | 2.69 | 2.69 | | | | | | | | | | | | | |
| 60 | 2.14 | 2.14 | 2.14 | 2.17 | 2.17 | | | | | | | | | | | | | |
| 65 | 1.87 | 1.87 | 1.87 | 1.89 | 1.90 | | | | | | | | | | | | | |
| 70 | 1.62 | 1.62 | 1.62 | 1.64 | 1.65 | | | | | | | | | | | | | |
| 75 | 1.42 | 1.41 | 1.41 | 1.43 | 1.41 | | | | | | | | | | | | | |
| 80 | 1.23 | 1.22 | 1.22 | 1.23 | 1.23 | | | | | | | | | | | | | |
| 85 | 1.09 | 1.09 | 1.08 | 1.09 | 1.09 | | | | | | | | | | | | | |
| 90 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | | | | | | | | | | | | | |
| 95 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | | | | | | | | | | | | | |
| 100 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | | | | | | | | | | | | | |
| 105 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | | | | | | | | | | | | | |
| 110 | 1.07 | 1.07 | 1.07 | 1.06 | 1.07 | | | | | | | | | | | | | |
| 115 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | | | | | | | | | | | | | |
| 120 | 1.26 | 1.25 | 1.26 | 1.25 | 1.26 | | | | | | | | | | | | | |
| 125 | 1.48 | 1.47 | 1.48 | 1.48 | 1.49 | | | | | | | | | | | | | |
| 130 | 1.85 | 1.84 | 1.86 | 1.85 | 1.87 | | | | | | | | | | | | | |
| 135 | 2.33 | 2.31 | 2.33 | 2.32 | 2.34 | | | | | | | | | | | | | |
| 140 | 2.77 | 2.76 | 2.77 | 2.76 | 2.77 | | | | | | | | | | | | | |
| 145 | 3.08 | 3.07 | 3.08 | 3.07 | 3.08 | | | | | | | | | | | | | |
| 150 | 3.28 | 3.27 | 3.27 | 3.27 | 3.28 | | | | | | | | | | | | | |
| 155 | 3.40 | 3.40 | 3.40 | 3.39 | 3.40 | | | | | | | | | | | | | |
| 160 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | | | | | | | | | | | | | |
| 165 | 3.48 | 3.48 | 3.47 | 3.48 | 3.48 | | | | | | | | | | | | | |
| 170 | 3.43 | 3.44 | 3.43 | 3.43 | 3.43 | | | | | | | | | | | | | |
| 175 | 3.27 | 3.28 | 3.27 | 3.28 | 3.27 | | | | | | | | | | | | | |
| 180 | 3.17 | 3.17 | 3.17 | 3.18 | 3.18 | | | | | | | | | | | | | |

C Range: 0 - 360DEC
C Interval: 15.0DEC
Test Speed: HIGH
Temperature:25.3DEC
Operators:ZhangXiao
Test Date:2016-07-26

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