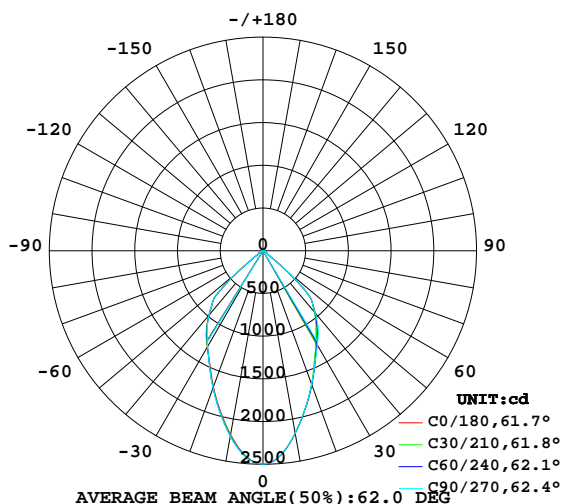


## LUMINAIRE PHOTOMETRIC TEST REPORT

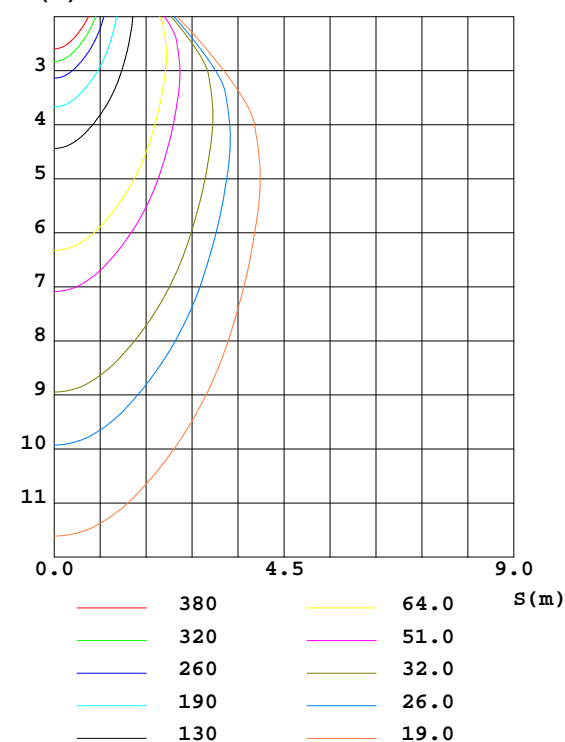
|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

| DATA OF LAMP     |                    | PHOTOMETRIC DATA Eff: 75.06 lm/W |        |                   |          |
|------------------|--------------------|----------------------------------|--------|-------------------|----------|
| MODEL            | BL061-40W-930-W-60 | Imax(cd)                         | 2497   | S/MH(C0/180)      | 0.81     |
| NOMINAL POWER(W) | 40                 | LOR(%)                           | 100.0  | S/MH(C90/270)     | 0.81     |
| RATED VOLTAGE(V) | 226                | TOTAL FLUX(lm)                   | 2957.2 | η UP,DN(C0-180)   | 1.2,48.2 |
| NOMINAL FLUX(lm) | 2957.21            | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 1.3,49.3 |
| LAMPS INSIDE     | 1                  | η up(%)                          | 2.5    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 226.6              | η down(%)                        | 97.5   | CIBSE SHR MAX     | 0.95     |

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:QiuMing  
Test Date:2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:5.920m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\%lum, lamp$ |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|---------------|
| 10       | 2169                  | 2178  | 2169  | 2178  | 2184  | 2190  | 2206  | 2190  | 0- 10    | 222.3       | 222.3        | 7.52,7.52     |
| 20       | 1668                  | 1677  | 1667  | 1674  | 1696  | 1695  | 1712  | 1700  | 10- 20   | 540.0       | 762.3        | 25.8,25.8     |
| 30       | 1242                  | 1265  | 1275  | 1288  | 1302  | 1297  | 1297  | 1284  | 20- 30   | 673.7       | 1436         | 48.6,48.6     |
| 40       | 950.8                 | 948.8 | 951.7 | 968.2 | 972.6 | 981.1 | 983.6 | 967.0 | 30- 40   | 703.7       | 2140         | 72.4,72.4     |
| 50       | 318.8                 | 312.9 | 302.3 | 344.1 | 369.9 | 367.1 | 383.8 | 337.6 | 40- 50   | 572.6       | 2712         | 91.7,91.7     |
| 60       | 53.85                 | 54.34 | 53.76 | 54.12 | 54.45 | 55.20 | 55.29 | 53.60 | 50- 60   | 92.96       | 2805         | 94.9,94.9     |
| 70       | 32.35                 | 32.81 | 33.14 | 34.40 | 34.93 | 34.39 | 34.08 | 32.66 | 60- 70   | 43.19       | 2848         | 96.3,96.3     |
| 80       | 14.73                 | 14.54 | 14.08 | 14.51 | 15.26 | 15.43 | 15.56 | 15.17 | 70- 80   | 25.09       | 2874         | 97.2,97.2     |
| 90       | 5.403                 | 5.392 | 5.399 | 5.346 | 5.716 | 5.754 | 5.905 | 5.777 | 80- 90   | 10.51       | 2884         | 97.5,97.5     |
| 100      | 6.650                 | 6.656 | 6.665 | 6.600 | 7.149 | 7.135 | 7.136 | 7.199 | 90-100   | 6.746       | 2891         | 97.8,97.8     |
| 110      | 8.358                 | 8.372 | 8.378 | 8.293 | 8.904 | 8.896 | 8.905 | 8.991 | 100-110  | 8.178       | 2899         | 98,98         |
| 120      | 10.52                 | 10.54 | 10.56 | 10.44 | 10.99 | 10.97 | 10.99 | 11.08 | 110-120  | 9.579       | 2909         | 98.4,98.4     |
| 130      | 13.02                 | 13.06 | 13.05 | 12.95 | 13.39 | 13.35 | 13.38 | 13.47 | 120-130  | 10.72       | 2919         | 98.7,98.7     |
| 140      | 15.59                 | 15.65 | 15.63 | 15.53 | 15.89 | 15.85 | 15.87 | 15.97 | 130-140  | 11.18       | 2930         | 99.1,99.1     |
| 150      | 17.56                 | 17.62 | 17.60 | 17.54 | 17.69 | 17.65 | 17.70 | 17.74 | 140-150  | 10.52       | 2941         | 99.4,99.4     |
| 160      | 19.38                 | 19.45 | 19.43 | 19.38 | 19.31 | 19.26 | 19.31 | 19.33 | 150-160  | 8.530       | 2949         | 99.7,99.7     |
| 170      | 20.96                 | 21.04 | 21.00 | 21.01 | 20.98 | 20.90 | 20.97 | 20.97 | 160-170  | 5.697       | 2955         | 99.9,99.9     |
| 180      | 22.18                 | 22.28 | 22.22 | 22.29 | 22.31 | 22.19 | 22.28 | 22.23 | 170-180  | 2.050       | 2957         | 100,100       |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |               |

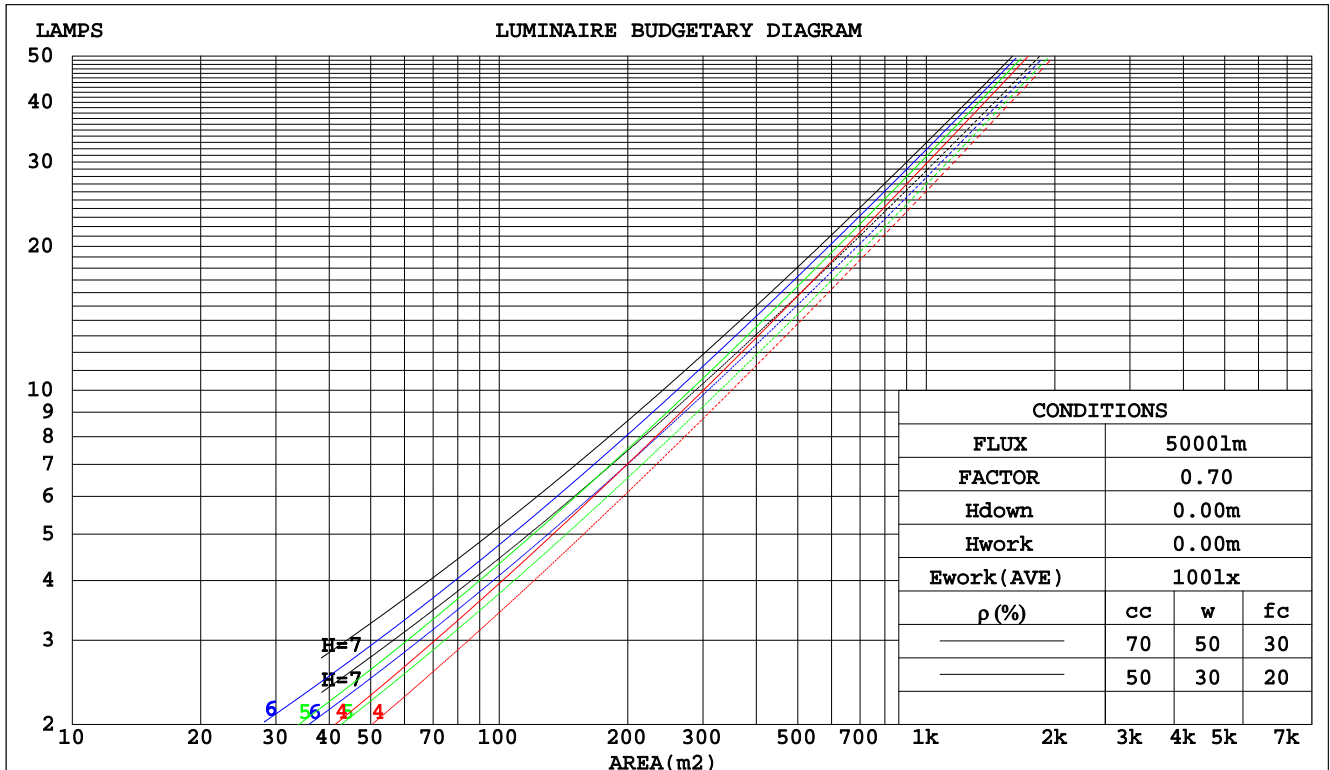
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QiuMing  
Test Date:2015-12-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:5.920m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|               |        |                   |
|---------------|--------|-------------------|
| 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 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0  | 1.08                  | 1.06 | 1.03 | 1.06 | 1.03 | 1.01 | 1.01                            | .99  | .97  | .97  | .96  | .94  | .93 | .92 | .91 | .89 |
| 2.0  | .99                   | .94  | .90  | .97  | .93  | .89  | .93                             | .90  | .87  | .90  | .87  | .84  | .87 | .84 | .82 | .80 |
| 3.0  | .91                   | .85  | .80  | .89  | .84  | .79  | .86                             | .81  | .78  | .83  | .79  | .76  | .80 | .77 | .75 | .73 |
| 4.0  | .83                   | .77  | .72  | .82  | .76  | .71  | .79                             | .74  | .70  | .77  | .72  | .69  | .75 | .71 | .68 | .66 |
| 5.0  | .77                   | .70  | .65  | .75  | .69  | .64  | .73                             | .68  | .63  | .71  | .66  | .63  | .69 | .65 | .62 | .60 |
| 6.0  | .71                   | .64  | .59  | .70  | .63  | .58  | .68                             | .62  | .58  | .66  | .61  | .57  | .64 | .60 | .56 | .55 |
| 7.0  | .65                   | .58  | .53  | .65  | .58  | .53  | .63                             | .57  | .53  | .61  | .56  | .52  | .60 | .55 | .52 | .50 |
| 8.0  | .61                   | .54  | .49  | .60  | .53  | .49  | .59                             | .53  | .48  | .57  | .52  | .48  | .56 | .51 | .48 | .46 |
| 9.0  | .57                   | .50  | .45  | .56  | .49  | .45  | .55                             | .49  | .45  | .54  | .48  | .44  | .53 | .48 | .44 | .43 |
| 10.0 | .53                   | .46  | .42  | .52  | .46  | .42  | .51                             | .45  | .41  | .50  | .45  | .41  | .49 | .44 | .41 | .39 |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QiuMing  
Test Date: 2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:

## WEC AND CCEC

|               |        |                   |
|---------------|--------|-------------------|
| 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  | .211 .120 .038        | .203 .116 .037 | .189 .109 .035 | .176 .102 .033 | .164 .095 .031 |                                 |
| 2.0  | .203 .111 .034        | .197 .108 .033 | .184 .103 .032 | .173 .097 .030 | .163 .092 .029 |                                 |
| 3.0  | .194 .103 .031        | .188 .101 .030 | .177 .096 .029 | .167 .092 .028 | .158 .088 .027 |                                 |
| 4.0  | .184 .096 .028        | .179 .094 .028 | .170 .090 .027 | .161 .086 .026 | .153 .083 .025 |                                 |
| 5.0  | .175 .089 .026        | .170 .087 .025 | .162 .084 .025 | .154 .081 .024 | .147 .079 .024 |                                 |
| 6.0  | .166 .083 .024        | .162 .082 .024 | .155 .079 .023 | .148 .077 .023 | .141 .074 .022 |                                 |
| 7.0  | .158 .078 .022        | .154 .077 .022 | .148 .075 .022 | .141 .073 .021 | .136 .070 .021 |                                 |
| 8.0  | .150 .073 .021        | .147 .072 .020 | .141 .070 .020 | .135 .069 .020 | .130 .067 .019 |                                 |
| 9.0  | .143 .069 .019        | .140 .068 .019 | .135 .067 .019 | .130 .065 .019 | .125 .063 .018 |                                 |
| 10.0 | .137 .065 .018        | .134 .065 .018 | .129 .063 .018 | .124 .062 .018 | .120 .060 .017 |                                 |

|      |                       |                |                |                |                |  |
|------|-----------------------|----------------|----------------|----------------|----------------|--|
| 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  | .209 .209 .209        | .179 .179 .179 | .122 .122 .122 | .070 .070 .070 | .022 .022 .022 |  |
| 1.0  | .192 .176 .161        | .165 .151 .139 | .113 .104 .096 | .065 .060 .056 | .021 .019 .018 |  |
| 2.0  | .180 .151 .128        | .154 .130 .111 | .105 .090 .077 | .061 .052 .045 | .019 .017 .015 |  |
| 3.0  | .169 .133 .104        | .145 .115 .090 | .099 .080 .063 | .057 .047 .037 | .018 .015 .012 |  |
| 4.0  | .160 .119 .087        | .137 .103 .076 | .094 .072 .053 | .055 .042 .032 | .018 .014 .010 |  |
| 5.0  | .152 .108 .075        | .131 .093 .065 | .090 .065 .046 | .052 .038 .027 | .017 .012 .009 |  |
| 6.0  | .146 .099 .065        | .125 .086 .057 | .086 .060 .040 | .050 .035 .024 | .016 .012 .008 |  |
| 7.0  | .139 .092 .058        | .120 .080 .051 | .083 .056 .036 | .048 .033 .021 | .016 .011 .007 |  |
| 8.0  | .134 .086 .053        | .115 .074 .046 | .080 .052 .033 | .046 .031 .019 | .015 .010 .006 |  |
| 9.0  | .129 .081 .048        | .111 .070 .042 | .077 .049 .030 | .045 .029 .018 | .015 .010 .006 |  |
| 10.0 | .124 .077 .045        | .107 .066 .039 | .074 .047 .028 | .043 .028 .017 | .014 .009 .006 |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QiuMing  
Test Date:2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:5.920m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

| 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                                      | 23.5          | 24.7             | 23.8 | 24.9 | 25.1   | 23.5          | 24.6              | 23.7 | 24.8 | 25.0 |  |
| 3H   | 23.5          | 24.5             | 23.8 | 24.7 | 25.0   | 23.4          | 24.4              | 23.7 | 24.6 | 24.9 |  |
| 4H   | 23.4          | 24.4             | 23.7 | 24.6 | 24.9   | 23.3          | 24.3              | 23.7 | 24.6 | 24.8 |  |
| 6H   | 23.4          | 24.3             | 23.7 | 24.6 | 24.9   | 23.3          | 24.2              | 23.6 | 24.5 | 24.8 |  |
| 8H   | 23.3          | 24.2             | 23.7 | 24.5 | 24.8   | 23.3          | 24.1              | 23.6 | 24.4 | 24.7 |  |
| 12H  | 23.3          | 24.1             | 23.7 | 24.5 | 24.8   | 23.2          | 24.1              | 23.6 | 24.4 | 24.7 |  |
| 4H 2H  | 23.3          | 24.3             | 23.6 | 24.5 | 24.8   | 23.2          | 24.2              | 23.5 | 24.5 | 24.7 |  |
| 3H   | 23.2          | 24.1             | 23.6 | 24.4 | 24.7   | 23.2          | 24.0              | 23.5 | 24.3 | 24.7 |  |
| 4H   | 23.2          | 24.0             | 23.6 | 24.3 | 24.7   | 23.2          | 23.9              | 23.6 | 24.3 | 24.6 |  |
| 6H   | 23.2          | 23.9             | 23.7 | 24.3 | 24.7   | 23.1          | 23.8              | 23.6 | 24.2 | 24.6 |  |
| 8H   | 23.2          | 23.8             | 23.7 | 24.2 | 24.7   | 23.1          | 23.7              | 23.6 | 24.1 | 24.6 |  |
| 12H  | 23.2          | 23.8             | 23.7 | 24.2 | 24.6   | 23.1          | 23.7              | 23.6 | 24.1 | 24.6 |  |
| 8H 4H  | 23.1          | 23.7             | 23.6 | 24.1 | 24.6   | 23.1          | 23.7              | 23.5 | 24.1 | 24.5 |  |
| 6H   | 23.2          | 23.7             | 23.6 | 24.1 | 24.6   | 23.1          | 23.6              | 23.6 | 24.0 | 24.5 |  |
| 8H   | 23.2          | 23.6             | 23.7 | 24.1 | 24.6   | 23.1          | 23.5              | 23.6 | 24.0 | 24.5 |  |
| 12H  | 23.2          | 23.6             | 23.7 | 24.1 | 24.6   | 23.1          | 23.5              | 23.6 | 24.0 | 24.5 |  |
| 12H 4H   | 23.1          | 23.6             | 23.6 | 24.1 | 24.5   | 23.0          | 23.6              | 23.5 | 24.0 | 24.4 |  |
| 6H   | 23.1          | 23.6             | 23.6 | 24.0 | 24.5   | 23.0          | 23.5              | 23.5 | 23.9 | 24.4 |  |
| 8H   | 23.2          | 23.5             | 23.7 | 24.0 | 24.5   | 23.1          | 23.4              | 23.6 | 23.9 | 24.5 |  |
| Variations with the observer position at spacings: |               |                  |      |      |        |               |                   |      |      |      |  |
| S = 1.0H   | + 2.4 / - 5.6 |                  |      |      |        | + 2.4 / - 5.8 |                   |      |      |      |  |
| 1.5H   | + 2.4 / - 7.0 |                  |      |      |        | + 2.3 / - 7.1 |                   |      |      |      |  |
| 2.0H   | + 6.3 / - 5.3 |                  |      |      |        | + 6.4 / - 5.3 |                   |      |      |      |  |

CIE Pub.117 Corrected 2957 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QiuMing  
Test Date:2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:5.920m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

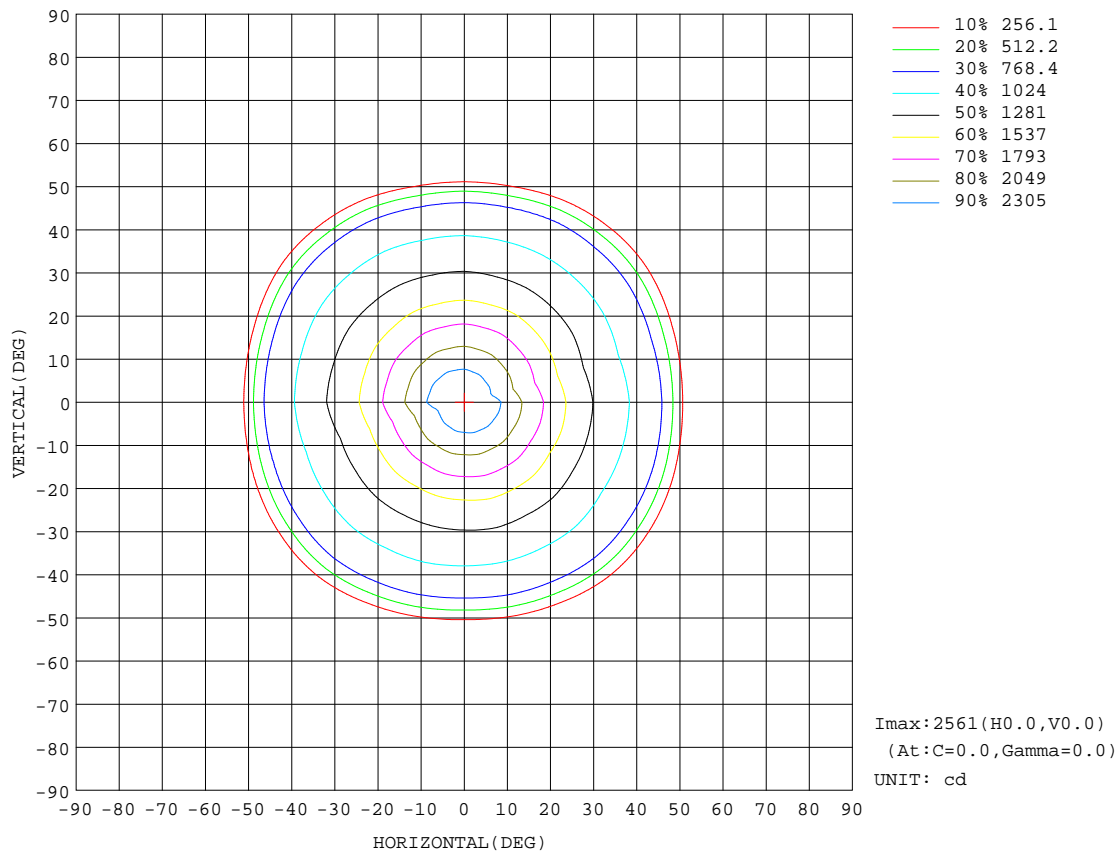
| REFLECTANCE                      |   |     |     |     |     |     |     |     |     |        |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0      |
| Walls                            | 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) x RCR = 5 |     |     |     |     |     |     |     |     |        |
| k = 0.60                         | 74  | 66  | 61  | 73  | 65  | 60  | 72  | 65  | 60  | 55     |
| 0.80                             | 83  | 75  | 70  | 83  | 75  | 70  | 81  | 74  | 69  | 64     |
| 1.00                             | 90  | 83  | 78  | 89  | 82  | 77  | 87  | 82  | 77  | 71     |
| 1.25                             | 96  | 89  | 84  | 94  | 88  | 84  | 92  | 87  | 83  | 77     |
| 1.50                             | 99  | 93  | 88  | 98  | 92  | 88  | 95  | 90  | 87  | 81     |
| 2.00                             | 104   | 98  | 94  | 102 | 97  | 93  | 99  | 95  | 91  | 85     |
| 2.50                             | 106   | 101 | 97  | 104 | 100 | 96  | 100 | 97  | 94  | 87     |
| 3.00                             | 108   | 104 | 100 | 106 | 102 | 99  | 102 | 99  | 96  | 89     |
| 4.00                             | 111   | 107 | 104 | 108 | 105 | 102 | 104 | 101 | 99  | 91     |
| 5.00                             | 112   | 109 | 106 | 110 | 107 | 105 | 105 | 103 | 101 | 92     |
| 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: QiuMing  
Test Date: 2015-12-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

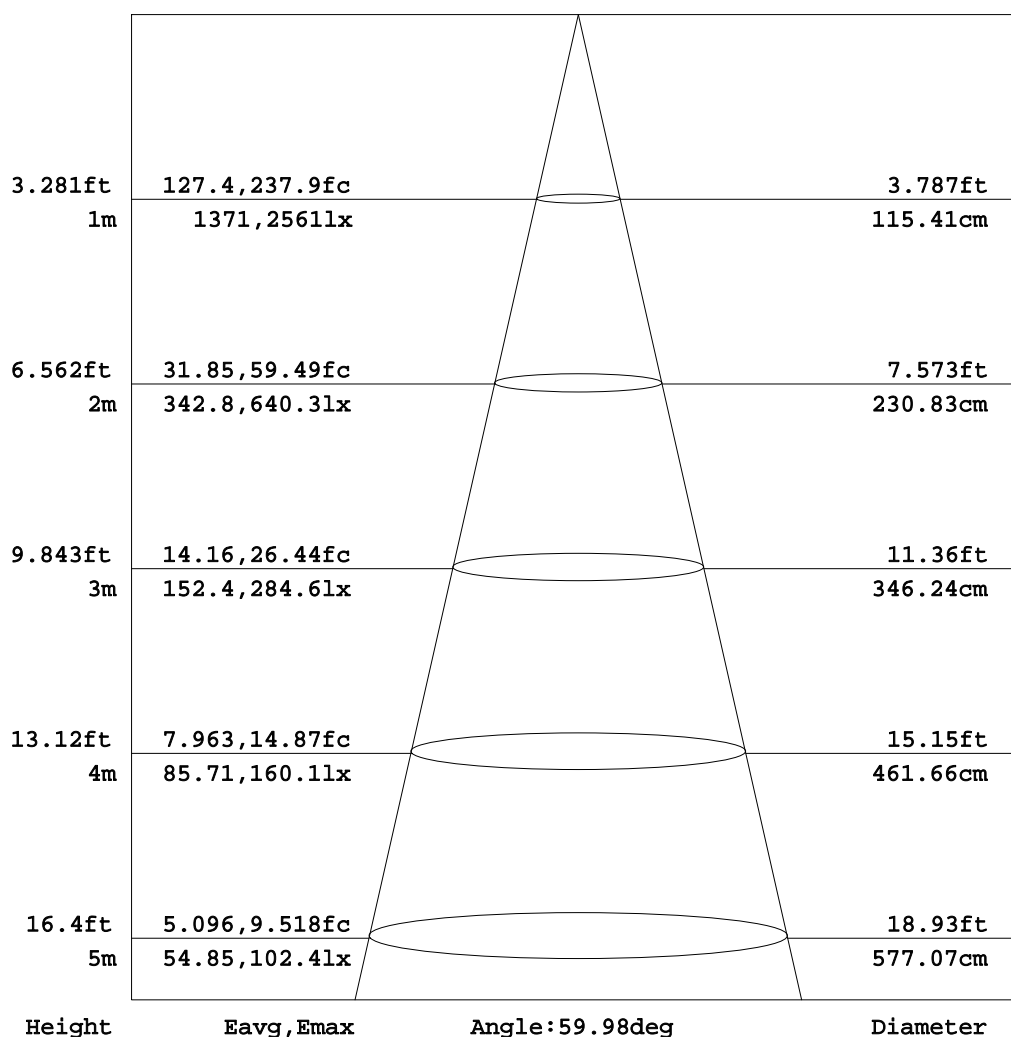


|                       |   |
|-----------------------|---|
| C Range: 0 - 360DEG   | γ Range: 0 - 180DEG                               |
| C Interval: 15.0DEG   | γ Interval: 1.0DEG                                |
| Test Speed: HIGH      | Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265 |
| Temperature: 25.3DEG  | Humidity: 65.0%                                   |
| Operators: QiuMing    | Test Distance: 5.920m [K=1.0000]                  |
| Test Date: 2015-12-17 | Remarks:  |

### AAI Figure

|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

Flux out:1436 lm



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

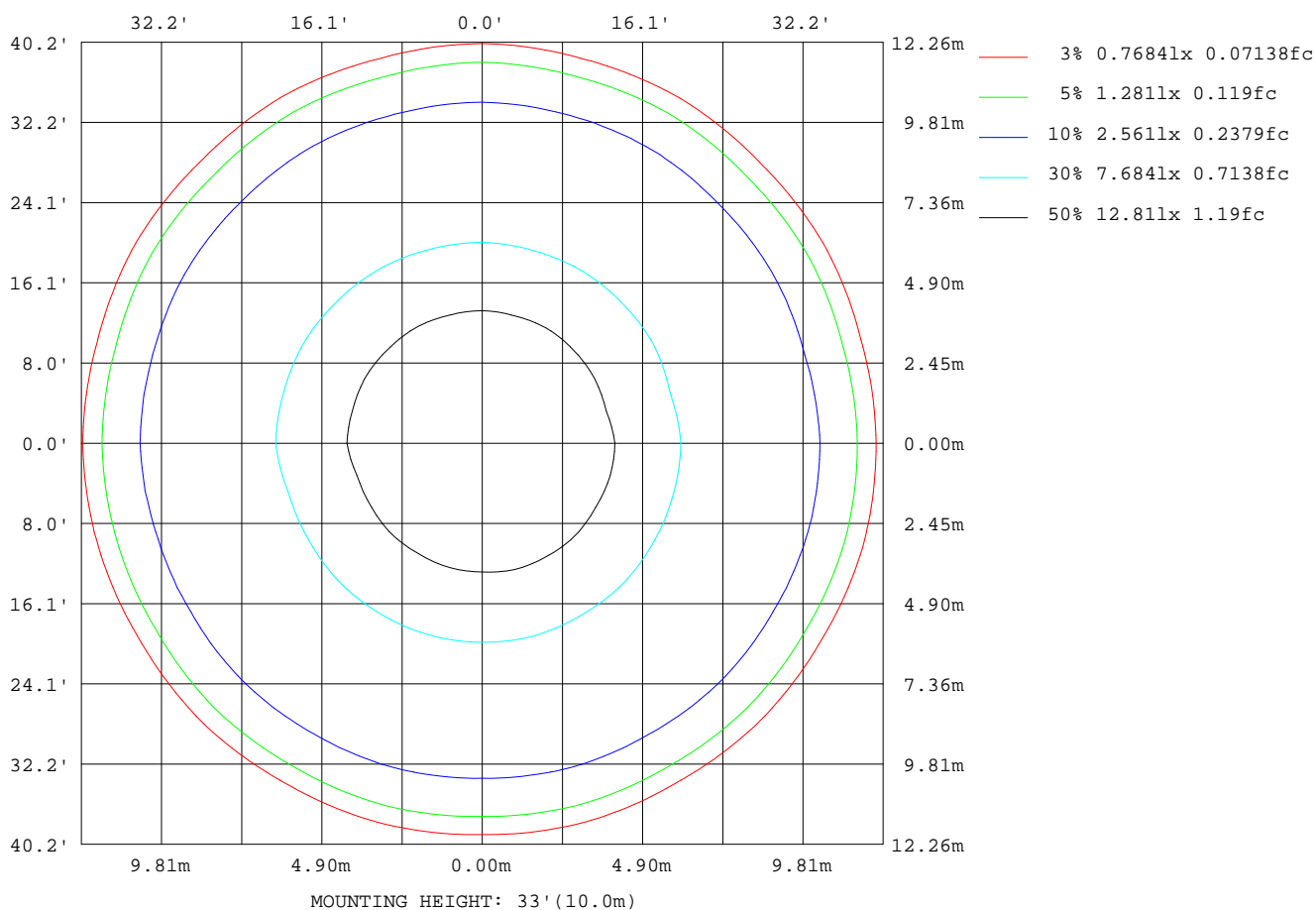
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QiuMing  
Test Date: 2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

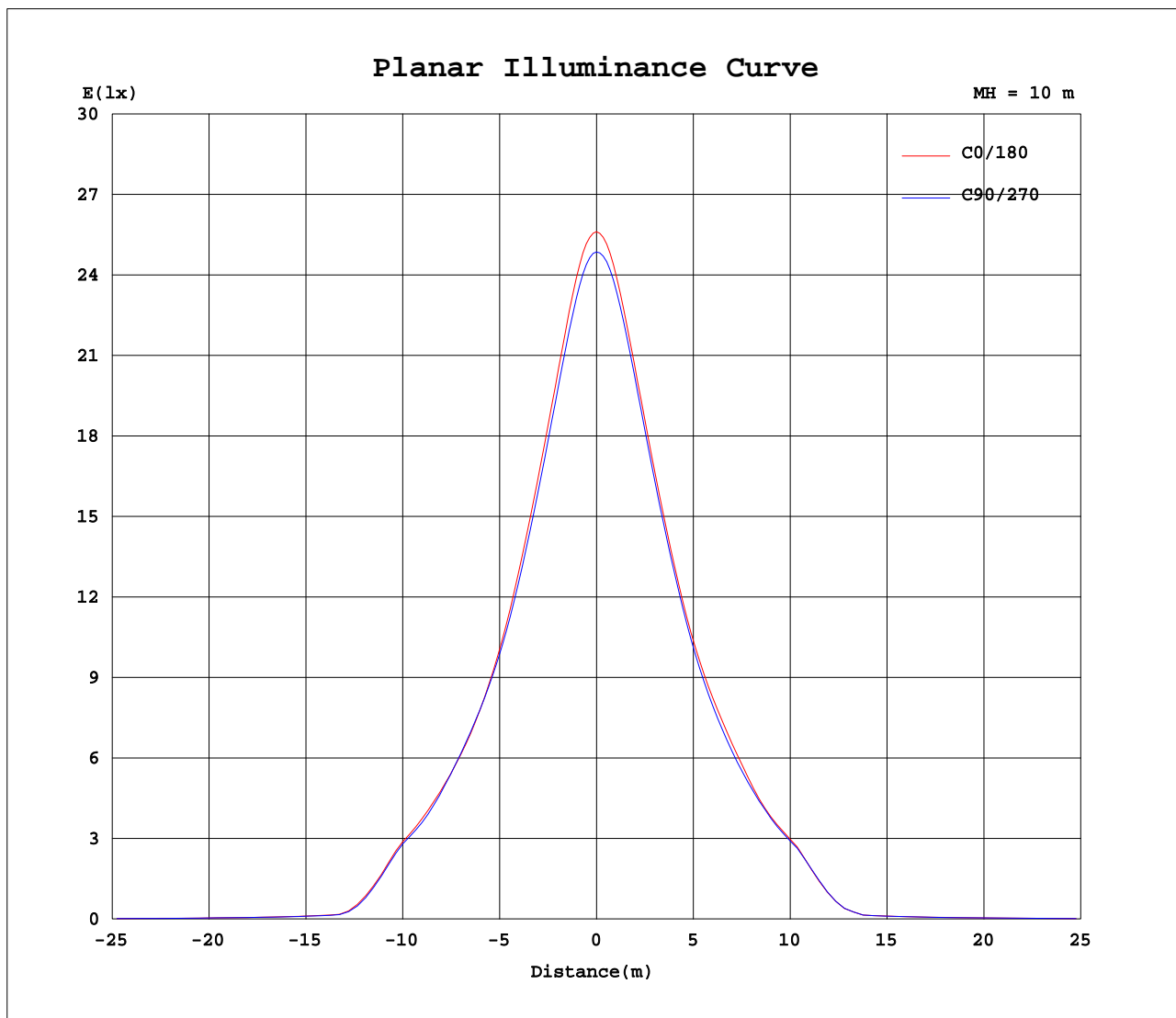
|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QiuMing  
Test Date: 2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QiuMing  
Test Date: 2015-12-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 | 2497 |
| 5                 | 2402 | 2407 | 2401 | 2405 | 2400 | 2403 | 2397 | 2402 | 2396 | 2403 | 2398 | 2404 | 2404 | 2399 | 2408 | 2405 | 2415 | 2411 | 2418 |
| 10                | 2169 | 2177 | 2170 | 2178 | 2171 | 2178 | 2169 | 2177 | 2170 | 2178 | 2173 | 2182 | 2184 | 2179 | 2194 | 2190 | 2203 | 2196 | 2206 |
| 15                | 1916 | 1919 | 1908 | 1923 | 1914 | 1923 | 1911 | 1917 | 1907 | 1922 | 1920 | 1933 | 1938 | 1930 | 1947 | 1939 | 1955 | 1943 | 1956 |
| 20                | 1668 | 1669 | 1659 | 1677 | 1672 | 1680 | 1667 | 1669 | 1662 | 1674 | 1674 | 1691 | 1696 | 1688 | 1704 | 1695 | 1710 | 1700 | 1712 |
| 25                | 1434 | 1438 | 1424 | 1446 | 1445 | 1457 | 1444 | 1446 | 1441 | 1455 | 1453 | 1469 | 1471 | 1467 | 1477 | 1473 | 1482 | 1476 | 1483 |
| 30                | 1242 | 1241 | 1248 | 1265 | 1263 | 1279 | 1275 | 1277 | 1278 | 1288 | 1286 | 1298 | 1302 | 1298 | 1304 | 1297 | 1299 | 1291 | 1297 |
| 35                | 1088 | 1089 | 1088 | 1104 | 1108 | 1122 | 1127 | 1138 | 1136 | 1146 | 1143 | 1156 | 1158 | 1155 | 1156 | 1147 | 1145 | 1137 | 1141 |
| 40                | 951  | 944  | 935  | 949  | 950  | 956  | 952  | 959  | 954  | 968  | 966  | 974  | 973  | 972  | 983  | 981  | 986  | 979  | 984  |
| 45                | 796  | 797  | 795  | 801  | 796  | 801  | 797  | 803  | 805  | 813  | 812  | 820  | 820  | 820  | 827  | 824  | 828  | 821  | 825  |
| 50                | 319  | 325  | 305  | 313  | 299  | 313  | 302  | 321  | 319  | 344  | 341  | 367  | 370  | 361  | 381  | 367  | 386  | 368  | 384  |
| 55                | 68.1 | 69.2 | 68.9 | 69.1 | 67.7 | 68.0 | 66.9 | 67.3 | 66.6 | 67.2 | 67.0 | 67.3 | 67.4 | 67.1 | 68.4 | 68.4 | 69.3 | 68.6 | 68.7 |
| 60                | 53.8 | 54.1 | 54.1 | 54.3 | 53.8 | 54.1 | 53.8 | 54.0 | 53.7 | 54.1 | 54.1 | 54.6 | 54.4 | 54.3 | 55.3 | 55.2 | 56.1 | 55.3 | 55.3 |
| 65                | 42.1 | 42.5 | 42.3 | 42.8 | 42.7 | 43.1 | 43.0 | 43.4 | 43.3 | 43.8 | 43.9 | 44.5 | 44.4 | 44.0 | 44.5 | 44.0 | 44.6 | 43.9 | 44.0 |
| 70                | 32.4 | 32.7 | 32.4 | 32.8 | 32.7 | 33.2 | 33.1 | 33.8 | 33.8 | 34.4 | 34.5 | 34.9 | 34.9 | 34.6 | 35.0 | 34.4 | 34.7 | 34.1 | 34.1 |
| 75                | 22.4 | 22.7 | 22.4 | 22.7 | 22.6 | 23.1 | 23.0 | 23.7 | 23.7 | 24.3 | 24.2 | 24.7 | 24.8 | 24.5 | 24.9 | 24.3 | 24.6 | 24.0 | 24.1 |
| 80                | 14.7 | 14.8 | 14.5 | 14.5 | 14.2 | 14.3 | 14.1 | 14.3 | 14.2 | 14.5 | 14.5 | 14.9 | 15.3 | 15.3 | 15.5 | 15.4 | 15.6 | 15.4 | 15.6 |
| 85                | 9.16 | 9.21 | 8.98 | 9.02 | 8.83 | 8.89 | 8.74 | 8.87 | 8.80 | 9.00 | 8.98 | 9.23 | 9.59 | 9.58 | 9.77 | 9.71 | 9.84 | 9.74 | 9.84 |
| 90                | 5.40 | 5.39 | 5.41 | 5.39 | 5.41 | 5.39 | 5.40 | 5.37 | 5.38 | 5.35 | 5.36 | 5.32 | 5.72 | 5.72 | 5.78 | 5.75 | 5.86 | 5.82 | 5.90 |
| 95                | 5.96 | 5.96 | 5.97 | 5.96 | 5.97 | 5.96 | 5.97 | 5.94 | 5.94 | 5.91 | 5.91 | 5.87 | 6.38 | 6.37 | 6.36 | 6.37 | 6.35 | 6.37 | 6.36 |
| 100               | 6.65 | 6.65 | 6.67 | 6.66 | 6.67 | 6.65 | 6.67 | 6.63 | 6.63 | 6.60 | 6.59 | 6.55 | 7.15 | 7.15 | 7.13 | 7.14 | 7.12 | 7.15 | 7.14 |
| 105               | 7.45 | 7.45 | 7.47 | 7.45 | 7.47 | 7.45 | 7.46 | 7.43 | 7.43 | 7.39 | 7.38 | 7.33 | 7.99 | 7.99 | 7.96 | 7.98 | 7.97 | 8.00 | 7.98 |
| 110               | 8.36 | 8.36 | 8.38 | 8.37 | 8.39 | 8.37 | 8.38 | 8.34 | 8.34 | 8.29 | 8.29 | 8.23 | 8.90 | 8.90 | 8.88 | 8.90 | 8.88 | 8.92 | 8.90 |
| 115               | 9.38 | 9.38 | 9.41 | 9.39 | 9.42 | 9.39 | 9.41 | 9.37 | 9.37 | 9.31 | 9.31 | 9.25 | 9.90 | 9.90 | 9.87 | 9.88 | 9.87 | 9.91 | 9.90 |
| 120               | 10.5 | 10.5 | 10.6 | 10.5 | 10.6 | 10.5 | 10.6 | 10.5 | 10.5 | 10.4 | 10.4 | 10.4 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 125               | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.7 | 11.7 | 11.7 | 11.7 | 11.6 | 12.2 | 12.1 | 12.1 | 12.1 | 12.1 | 12.2 | 12.2 |
| 130               | 13.0 | 13.0 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.0 | 13.0 | 12.9 | 12.9 | 12.9 | 13.4 | 13.4 | 13.4 | 13.3 | 13.3 | 13.4 | 13.4 |
| 135               | 14.3 | 14.3 | 14.3 | 14.3 | 14.4 | 14.3 | 14.3 | 14.3 | 14.3 | 14.2 | 14.2 | 14.1 | 14.7 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 140               | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.5 | 15.5 | 15.5 | 15.9 | 15.9 | 15.9 | 15.8 | 15.9 | 15.9 | 15.9 |
| 145               | 16.7 | 16.7 | 16.7 | 16.8 | 16.8 | 16.8 | 16.7 | 16.7 | 16.7 | 16.7 | 16.6 | 16.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 |
| 150               | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.5 | 17.5 | 17.5 | 17.7 | 17.6 | 17.7 | 17.6 | 17.7 | 17.7 | 17.7 |
| 155               | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 |
| 160               | 19.4 | 19.4 | 19.4 | 19.5 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 165               | 20.2 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.2 | 20.2 | 20.1 | 20.1 | 20.1 | 20.1 | 20.1 | 20.1 | 20.2 |
| 170               | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 20.9 | 21.0 | 20.9 | 21.0 | 20.9 | 21.0 |
| 175               | 21.7 | 21.8 | 21.7 | 21.8 | 21.7 | 21.8 | 21.7 | 21.8 | 21.7 | 21.8 | 21.7 | 21.7 | 21.8 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 180               | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 | 22.3 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: QiuMing  
Test Date: 2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 5.920m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|               |        |                   |
|---------------|--------|-------------------|
| NAME:         | TYPE:  | WEIGHT:           |
| DIM.:         | SPEC.: | SERIAL No.:       |
| MFR.: Rayconn | SUR.:  | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 2497 | 2497 | 2497 | 2497 | 2497 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 2412 | 2417 | 2409 | 2413 | 2401 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 2195 | 2203 | 2190 | 2192 | 2172 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 1945 | 1954 | 1940 | 1939 | 1919 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1703 | 1715 | 1700 | 1697 | 1678 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 1475 | 1483 | 1474 | 1466 | 1449 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 1288 | 1291 | 1284 | 1282 | 1256 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 1133 | 1133 | 1125 | 1125 | 1105 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 978  | 975  | 967  | 966  | 956  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 819  | 817  | 806  | 807  | 800  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 362  | 366  | 338  | 344  | 319  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 68.0 | 68.2 | 67.4 | 67.9 | 67.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 54.2 | 54.5 | 53.6 | 54.0 | 53.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 43.1 | 43.2 | 42.5 | 42.7 | 42.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 33.3 | 33.4 | 32.7 | 32.8 | 32.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 23.5 | 23.6 | 22.9 | 23.0 | 22.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 15.3 | 15.4 | 15.2 | 15.2 | 15.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 9.69 | 9.75 | 9.60 | 9.64 | 9.45 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 5.83 | 5.87 | 5.78 | 5.79 | 5.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 6.39 | 6.38 | 6.42 | 6.40 | 6.44 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 7.17 | 7.16 | 7.20 | 7.19 | 7.23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 8.03 | 8.02 | 8.06 | 8.04 | 8.10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 8.96 | 8.93 | 8.99 | 8.98 | 9.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 9.94 | 9.94 | 9.99 | 9.98 | 10.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 11.0 | 11.0 | 11.1 | 11.1 | 11.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 12.2 | 12.2 | 12.2 | 12.2 | 12.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 13.4 | 13.4 | 13.5 | 13.5 | 13.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 14.7 | 14.7 | 14.7 | 14.7 | 14.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 15.9 | 15.9 | 16.0 | 16.0 | 16.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 16.9 | 17.0 | 17.0 | 17.0 | 17.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 17.7 | 17.7 | 17.7 | 17.8 | 17.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 19.3 | 19.3 | 19.3 | 19.3 | 19.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 20.1 | 20.2 | 20.2 | 20.2 | 20.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 21.7 | 21.8 | 21.7 | 21.7 | 21.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 22.2 | 22.3 | 22.2 | 22.3 | 22.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QiuMing  
Test Date:2015-12-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:5.920m [K=1.0000]  
Remarks: