

LED Tracklight PURE S-21W-930-25



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 20.26 W |                          |
| SHR Nominal:        | 0.00    | Calculated using the TM5 |
| SHR Maximum:        | 1.00    | fine grid method.        |

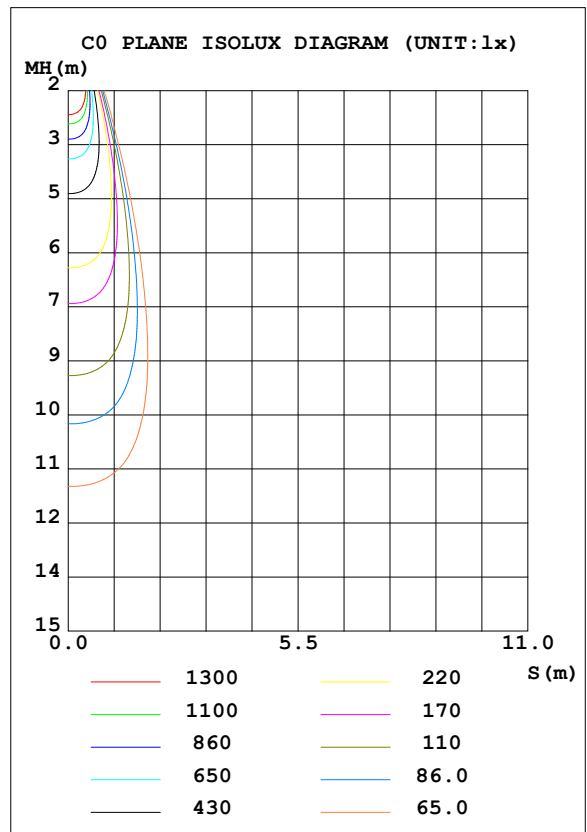
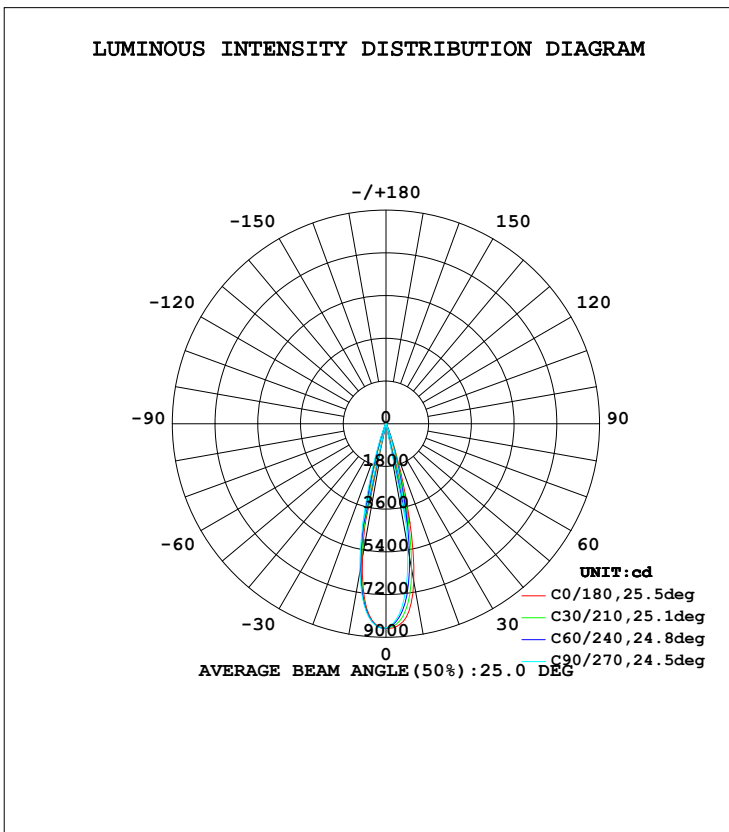
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-05-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

| DATA OF LAMP      |               | PHOTOMETRIC DATA Eff: 81.12 lm/W |        |                     |           |
|-------------------|---------------|----------------------------------|--------|---------------------|-----------|
| MODEL             | CITIZEN-3000K | I <sub>max</sub> (cd)            | 8624   | S/MH (C0/180)       | 0.37      |
| NOMINAL POWER (W) | 20            | LOR (%)                          | 100.0  | S/MH (C90/270)      | 0.41      |
| RATED VOLTAGE (V) | 220           | TOTAL FLUX (lm)                  | 1643.5 | η UP, DN (C0-180)   | 0.0, 47.1 |
| NOMINAL FLUX (lm) | 1643.47       | CIE CLASS                        | DIRECT | η UP, DN (C180-360) | 0.0, 52.9 |
| LAMPS INSIDE      | 1             | η up (%)                         | 0.0    | CIBSE SHR NOM       | 0.00      |
| TEST VOLTAGE (V)  | 220           | η down (%)                       | 100.0  | CIBSE SHR MAX       | 1.00      |



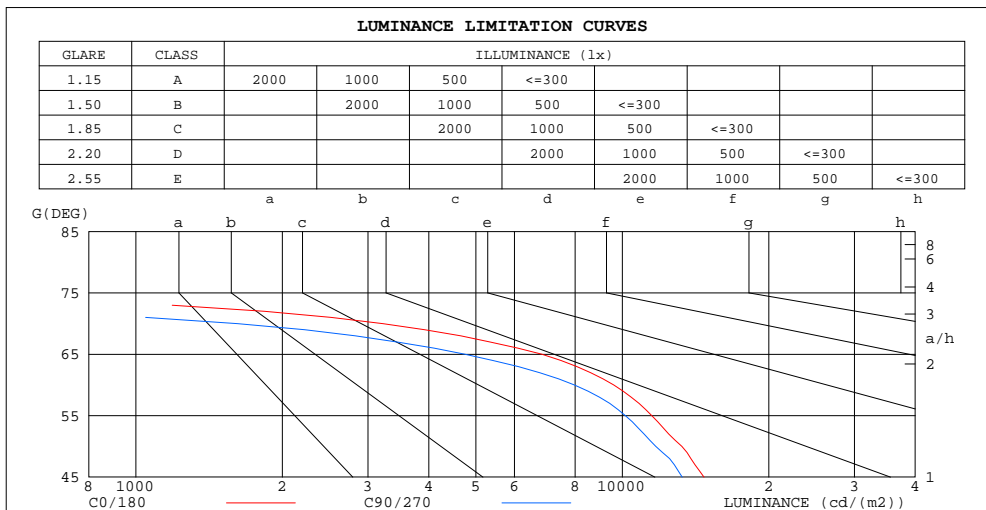
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10       | 6746                  | 6050   | 5275   | 5179   | 5735   | 5997   | 6330   | 6735   | 0- 10    | 707.6       | 707.6        | 43.1,43.1     |
| 20       | 874.0                 | 669.9  | 519.7  | 438.1  | 471.6  | 540.2  | 789.9  | 884.0  | 10- 20   | 731.6       | 1439         | 87.6,87.6     |
| 30       | 110.1                 | 97.41  | 86.13  | 81.01  | 86.29  | 94.93  | 115.6  | 102.8  | 20- 30   | 104.0       | 1543         | 93.9,93.9     |
| 40       | 50.14                 | 46.19  | 43.82  | 39.81  | 43.16  | 44.28  | 49.22  | 47.02  | 30- 40   | 40.30       | 1583         | 96.3,96.3     |
| 50       | 32.79                 | 31.09  | 28.98  | 26.23  | 28.07  | 29.71  | 32.67  | 30.97  | 40- 50   | 28.81       | 1612         | 98.1,98.1     |
| 60       | 18.46                 | 17.73  | 15.32  | 14.12  | 14.41  | 16.51  | 18.94  | 18.67  | 50- 60   | 21.02       | 1633         | 99.4,99.4     |
| 70       | 4.236                 | 3.490  | 2.128  | 1.568  | 1.876  | 2.686  | 4.013  | 4.723  | 60- 70   | 9.323       | 1643         | 99.9,99.9     |
| 80       | 0.1488                | 0.1179 | 0.1335 | 0.1027 | 0.1027 | 0.1291 | 0.1157 | 0.1466 | 70- 80   | 0.7573      | 1643         | 100,100       |
| 90       | 0.0590                | 0.0590 | 0.0612 | 0.0612 | 0.0634 | 0.0590 | 0.0612 | 0.0634 | 80- 90   | 0.0888      | 1643         | 100,100       |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |               |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |               |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |               |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |               |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |               |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |               |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |               |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |               |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |               |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |               |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 268    | 248     |
| 80                | 223    | 200     |
| 75                | 381    | 214     |
| 70                | 3220   | 1618    |
| 65                | 6831   | 4743    |
| 60                | 9598   | 7968    |
| 55                | 11496  | 10148   |
| 50                | 13260  | 11720   |
| 45                | 14721  | 13273   |

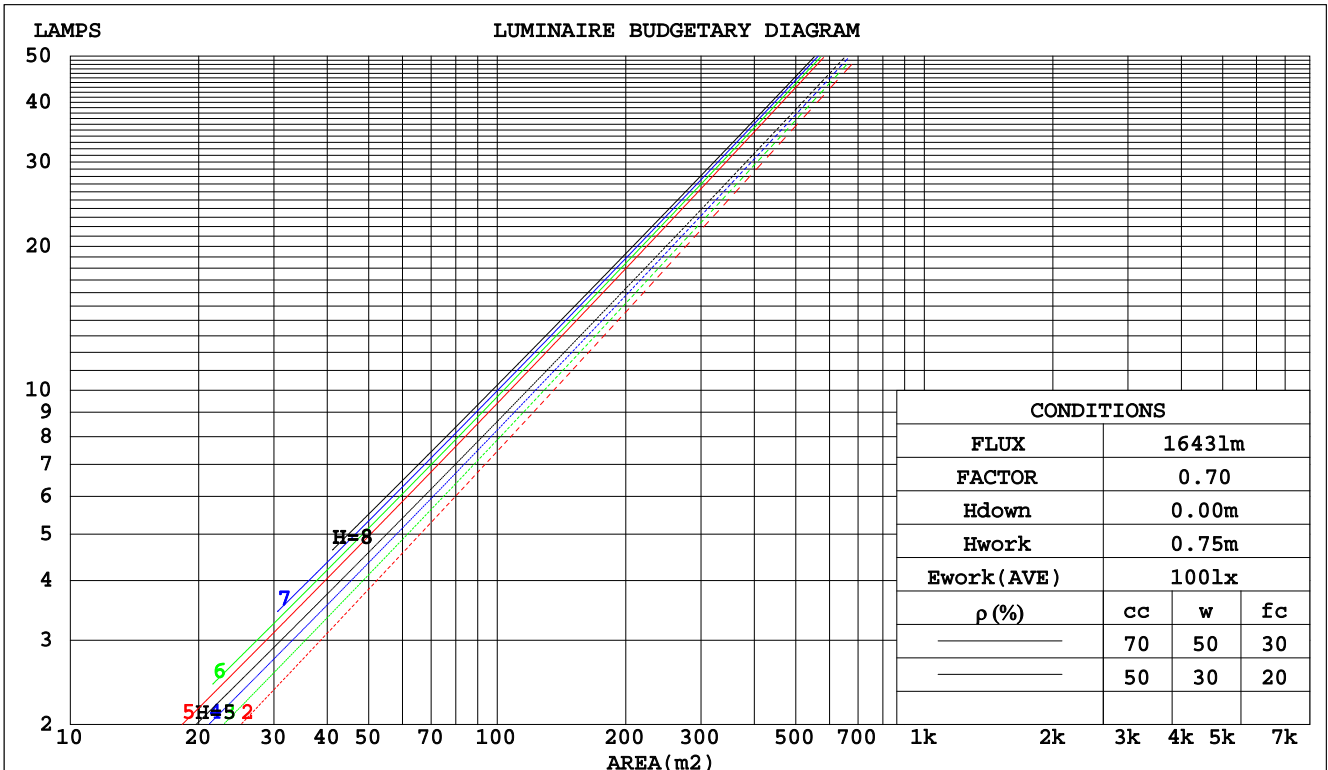
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

| ρcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρw   | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| ρfc  | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR  | RCR:Room Cavity Ratio           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.0  | 1.19                            | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.13                            | 1.11 | 1.10 | 1.11 | 1.09 | 1.08 | 1.07 | 1.06 | 1.05 | 1.03 | 1.02 | 1.02 | 1.00 | .99  | .99  | .97  |
| 2.0  | 1.08                            | 1.05 | 1.03 | 1.06 | 1.04 | 1.02 | 1.03 | 1.01 | .99  | 1.00 | .99  | .97  | .98  | .97  | .95  | .94  |
| 3.0  | 1.04                            | 1.00 | .98  | 1.02 | .99  | .97  | 1.00 | .97  | .95  | .98  | .96  | .94  | .96  | .94  | .92  | .91  |
| 4.0  | 1.00                            | .96  | .93  | .99  | .96  | .93  | .97  | .94  | .92  | .95  | .93  | .91  | .94  | .91  | .90  | .89  |
| 5.0  | .97                             | .93  | .90  | .96  | .92  | .90  | .94  | .91  | .89  | .93  | .90  | .88  | .91  | .89  | .87  | .86  |
| 6.0  | .94                             | .90  | .87  | .93  | .89  | .87  | .92  | .89  | .86  | .91  | .88  | .86  | .89  | .87  | .85  | .84  |
| 7.0  | .91                             | .87  | .85  | .91  | .87  | .84  | .90  | .86  | .84  | .89  | .86  | .84  | .88  | .85  | .83  | .82  |
| 8.0  | .89                             | .85  | .82  | .88  | .85  | .82  | .87  | .84  | .82  | .87  | .84  | .82  | .86  | .83  | .81  | .80  |
| 9.0  | .87                             | .83  | .80  | .86  | .83  | .80  | .85  | .82  | .80  | .85  | .82  | .80  | .84  | .81  | .79  | .79  |
| 10.0 | .85                             | .81  | .78  | .84  | .81  | .78  | .84  | .80  | .78  | .83  | .80  | .78  | .82  | .80  | .78  | .77  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

WEC AND CCEC

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .133                  | .075 | .024 | .126 | .072 | .023 | .114                            | .065 | .021 | .102 | .059 | .019 | .092 | .053 | .017 |   |
| 2.0  | .123                  | .067 | .021 | .117 | .065 | .020 | .107                            | .059 | .018 | .098 | .055 | .017 | .089 | .050 | .016 |   |
| 3.0  | .114                  | .061 | .018 | .109 | .058 | .018 | .101                            | .055 | .017 | .093 | .051 | .016 | .086 | .047 | .015 |   |
| 4.0  | .106                  | .055 | .016 | .102 | .053 | .016 | .095                            | .050 | .015 | .089 | .048 | .014 | .082 | .045 | .014 |   |
| 5.0  | .099                  | .051 | .015 | .096 | .049 | .014 | .090                            | .047 | .014 | .084 | .045 | .013 | .079 | .042 | .013 |   |
| 6.0  | .093                  | .047 | .013 | .091 | .046 | .013 | .086                            | .044 | .013 | .081 | .042 | .012 | .076 | .040 | .012 |   |
| 7.0  | .088                  | .044 | .012 | .086 | .043 | .012 | .081                            | .041 | .012 | .077 | .040 | .012 | .073 | .038 | .011 |   |
| 8.0  | .084                  | .041 | .012 | .082 | .040 | .011 | .078                            | .039 | .011 | .074 | .038 | .011 | .071 | .036 | .011 |   |
| 9.0  | .080                  | .039 | .011 | .078 | .038 | .011 | .074                            | .037 | .010 | .071 | .036 | .010 | .068 | .035 | .010 |   |
| 10.0 | .076                  | .036 | .010 | .074 | .036 | .010 | .071                            | .035 | .010 | .069 | .034 | .010 | .066 | .033 | .010 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .168                  | .158 | .148 | .144 | .135 | .128 | .098                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 |   |
| 2.0  | .150                  | .133 | .118 | .128 | .114 | .102 | .088                                       | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0  | .134                  | .113 | .096 | .115 | .098 | .084 | .079                                       | .068 | .059 | .046 | .040 | .035 | .015 | .013 | .011 |   |
| 4.0  | .122                  | .098 | .080 | .104 | .085 | .069 | .072                                       | .059 | .049 | .041 | .034 | .029 | .013 | .011 | .009 |   |
| 5.0  | .111                  | .085 | .067 | .095 | .074 | .058 | .066                                       | .052 | .041 | .038 | .030 | .024 | .012 | .010 | .008 |   |
| 6.0  | .102                  | .075 | .056 | .087 | .065 | .049 | .060                                       | .046 | .035 | .035 | .027 | .021 | .011 | .009 | .007 |   |
| 7.0  | .094                  | .067 | .048 | .081 | .058 | .042 | .056                                       | .041 | .030 | .032 | .024 | .018 | .010 | .008 | .006 |   |
| 8.0  | .087                  | .060 | .042 | .075 | .052 | .036 | .052                                       | .037 | .026 | .030 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0  | .081                  | .054 | .036 | .070 | .047 | .032 | .048                                       | .033 | .022 | .028 | .020 | .013 | .009 | .006 | .004 |   |
| 10.0 | .076                  | .050 | .032 | .065 | .043 | .028 | .045                                       | .030 | .020 | .026 | .018 | .012 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-05-19

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

|  |                  |      |      |      |      |                |      |      |      |      |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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                                      | 13.1             | 13.7 | 13.3 | 13.8 | 14.0 | 12.3           | 13.0 | 12.5 | 13.1 | 13.3 |
| 3H   | 13.3             | 13.9 | 13.6 | 14.1 | 14.3 | 12.5           | 13.0 | 12.7 | 13.2 | 13.4 |
| 4H   | 13.3             | 13.8 | 13.5 | 14.0 | 14.2 | 12.4           | 12.9 | 12.6 | 13.1 | 13.3 |
| 6H   | 13.2             | 13.7 | 13.5 | 13.9 | 14.2 | 12.3           | 12.8 | 12.6 | 13.0 | 13.3 |
| 8H   | 13.1             | 13.6 | 13.4 | 13.9 | 14.1 | 12.2           | 12.8 | 12.5 | 13.0 | 13.2 |
| 12H  | 13.1             | 13.6 | 13.4 | 13.8 | 14.1 | 12.2           | 12.7 | 12.5 | 12.9 | 13.2 |
| 4H 2H  | 13.3             | 13.8 | 13.5 | 14.0 | 14.2 | 12.7           | 13.2 | 12.9 | 13.4 | 13.6 |
| 3H   | 13.5             | 14.0 | 13.8 | 14.3 | 14.5 | 12.7           | 13.2 | 13.0 | 13.5 | 13.7 |
| 4H   | 13.4             | 13.9 | 13.8 | 14.2 | 14.5 | 12.6           | 13.1 | 13.0 | 13.4 | 13.7 |
| 6H   | 13.3             | 13.7 | 13.7 | 14.1 | 14.4 | 12.5           | 12.9 | 12.9 | 13.3 | 13.6 |
| 8H   | 13.3             | 13.7 | 13.7 | 14.0 | 14.4 | 12.5           | 12.9 | 12.9 | 13.2 | 13.6 |
| 12H  | 13.2             | 13.6 | 13.6 | 13.9 | 14.3 | 12.4           | 12.8 | 12.8 | 13.1 | 13.5 |
| 8H 4H  | 13.3             | 13.7 | 13.7 | 14.0 | 14.4 | 12.5           | 12.9 | 12.9 | 13.2 | 13.6 |
| 6H   | 13.2             | 13.5 | 13.6 | 13.9 | 14.3 | 12.4           | 12.7 | 12.8 | 13.1 | 13.5 |
| 8H   | 13.1             | 13.4 | 13.6 | 13.8 | 14.2 | 12.3           | 12.6 | 12.8 | 13.0 | 13.5 |
| 12H  | 13.1             | 13.3 | 13.5 | 13.7 | 14.2 | 12.3           | 12.5 | 12.7 | 12.9 | 13.4 |
| 12H 4H   | 13.2             | 13.6 | 13.6 | 13.9 | 14.3 | 12.4           | 12.8 | 12.9 | 13.2 | 13.5 |
| 6H   | 13.1             | 13.4 | 13.6 | 13.8 | 14.2 | 12.3           | 12.6 | 12.8 | 13.0 | 13.5 |
| 8H   | 13.1             | 13.3 | 13.5 | 13.7 | 14.2 | 12.3           | 12.5 | 12.7 | 12.9 | 13.4 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 0.6 / - 1.0    |      |      |      |      | + 0.7 / - 1.1  |      |      |      |      |
| 1.5H   | + 0.3 / - 0.9    |      |      |      |      | + 0.3 / - 0.8  |      |      |      |      |
| 2.0H   | + 1.1 / - 1.7    |      |      |      |      | + 1.1 / - 2.0  |      |      |      |      |

CIE Pub.117 Corrected 1643 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-05-19

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

| 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  | 80        | 89  | 83  | 80  | 88            | 83  | 79  | 76     |
| 0.80                             | 96  | 91  | 87        | 96  | 91  | 87  | 95            | 90  | 87  | 83     |
| 1.00                             | 100   | 95  | 92        | 100 | 95  | 92  | 98            | 95  | 91  | 87     |
| 1.25                             | 104   | 99  | 96        | 103 | 99  | 96  | 101           | 98  | 95  | 91     |
| 1.50                             | 107   | 102 | 99        | 106 | 102 | 99  | 103           | 100 | 98  | 93     |
| 2.00                             | 109   | 105 | 102       | 108 | 104 | 101 | 105           | 102 | 100 | 95     |
| 2.50                             | 111   | 107 | 104       | 109 | 106 | 103 | 106           | 104 | 102 | 96     |
| 3.00                             | 112   | 109 | 106       | 110 | 108 | 105 | 107           | 105 | 103 | 97     |
| 4.00                             | 114   | 112 | 110       | 112 | 110 | 108 | 109           | 107 | 105 | 98     |
| 5.00                             | 115   | 113 | 112       | 113 | 112 | 110 | 109           | 108 | 107 | 99     |
| 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:Meng Yongjian  
Test Date:2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

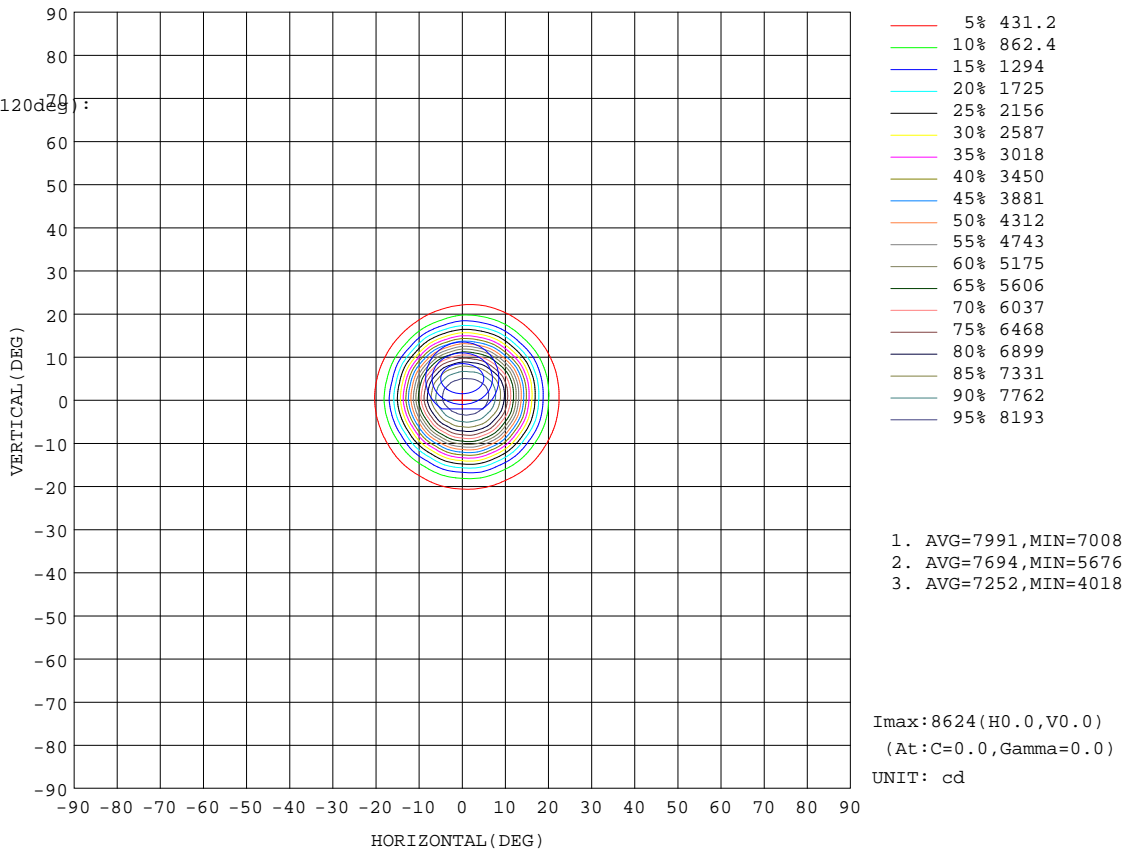
|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

Conical surface Flux(90deg):

1598.7 lm  
%lum = 97.3%  
%lamp = 97.3%

Conical surface Flux(120deg):

1633.3 lm  
%lum = 99.4%  
%lamp = 99.4%



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

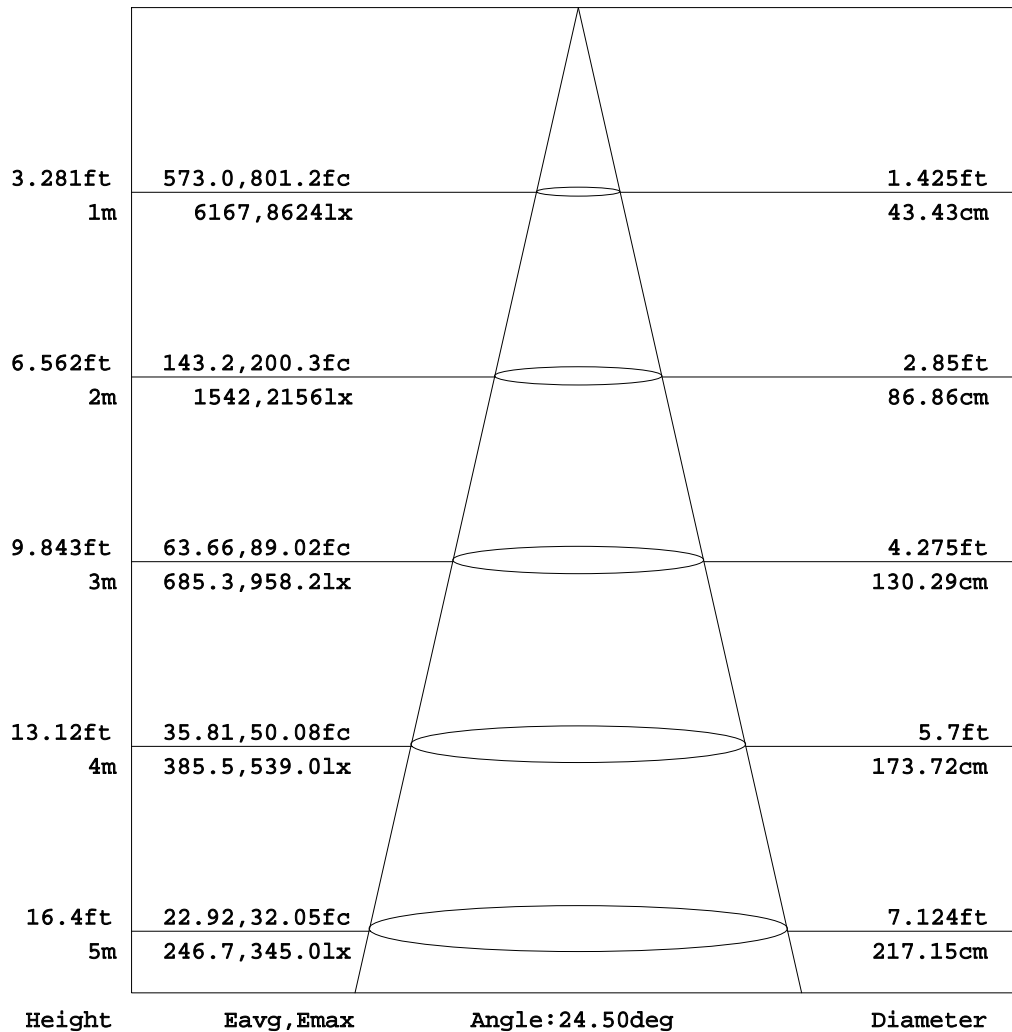
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



**AAI Figure**

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

Flux out:1033 lm



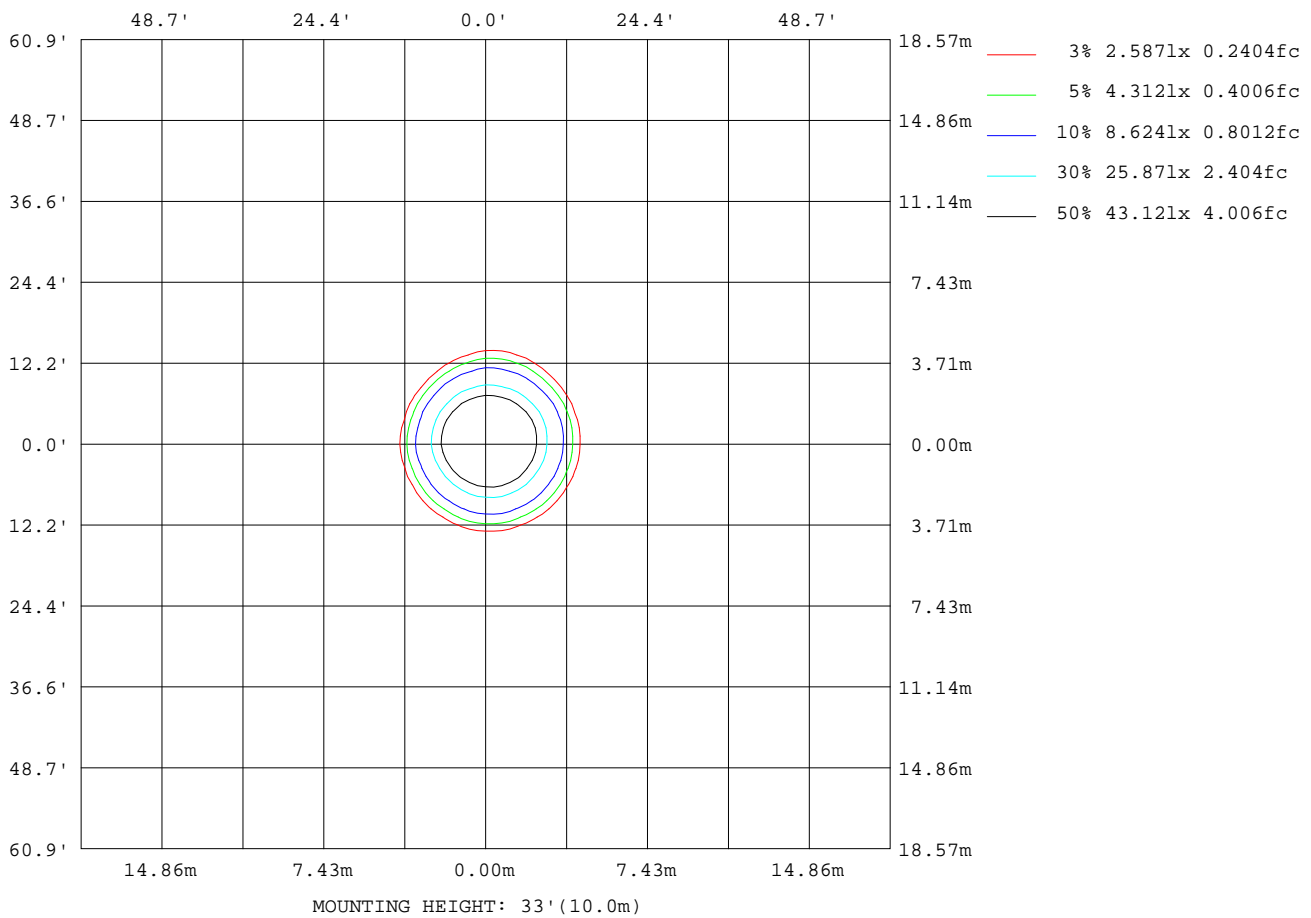
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

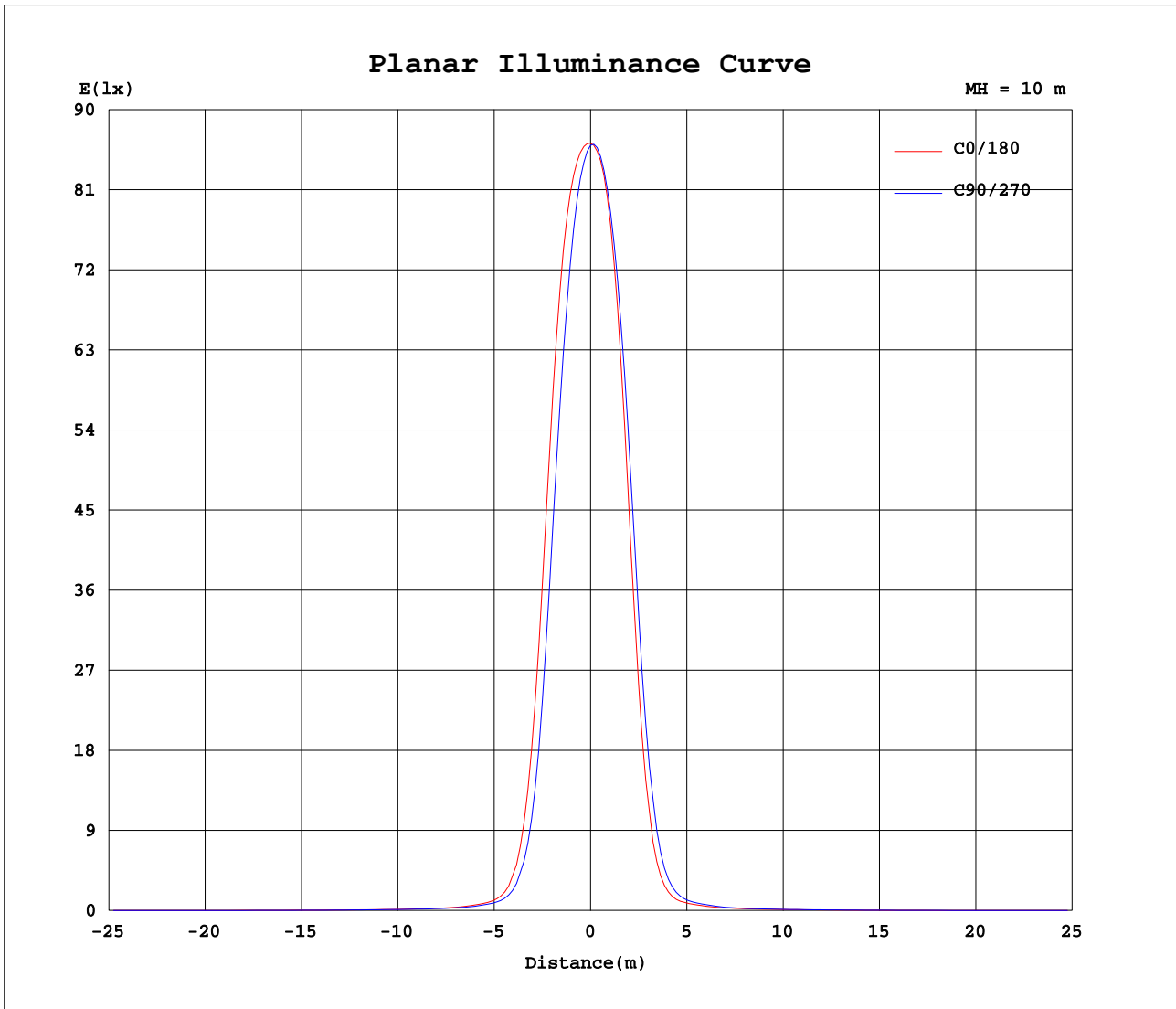
|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-05-19

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-05-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

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                  | 8624 | 8618 | 8613 | 8611 | 8605 | 8607 | 8600 | 8605 | 8599 | 8603 | 8598 | 8601 | 8624 | 8618 | 8613 | 8611 | 8605 | 8607 | 8600 |
| 5                  | 8358 | 8284 | 8150 | 8063 | 7920 | 7851 | 7746 | 7759 | 7721 | 7807 | 7847 | 7978 | 8103 | 8124 | 8175 | 8143 | 8168 | 8152 | 8195 |
| 10                 | 6746 | 6578 | 6242 | 6050 | 5715 | 5549 | 5275 | 5204 | 5070 | 5179 | 5210 | 5456 | 5735 | 5791 | 5993 | 5997 | 6157 | 6152 | 6330 |
| 15                 | 3315 | 3163 | 2824 | 2673 | 2379 | 2260 | 2028 | 1952 | 1800 | 1843 | 1831 | 1993 | 2177 | 2195 | 2375 | 2425 | 2670 | 2730 | 2978 |
| 20                 | 874  | 827  | 725  | 670  | 580  | 553  | 520  | 479  | 436  | 438  | 421  | 440  | 472  | 486  | 489  | 540  | 592  | 659  | 790  |
| 25                 | 218  | 215  | 194  | 184  | 167  | 160  | 152  | 149  | 144  | 145  | 136  | 139  | 141  | 139  | 144  | 148  | 165  | 184  | 217  |
| 30                 | 110  | 109  | 102  | 97.4 | 91.8 | 89.2 | 86.1 | 83.3 | 81.0 | 81.0 | 81.4 | 82.0 | 86.3 | 88.4 | 91.6 | 94.9 | 100  | 105  | 116  |
| 35                 | 68.1 | 66.5 | 64.5 | 62.7 | 60.3 | 58.8 | 57.1 | 55.8 | 54.0 | 53.3 | 54.1 | 55.3 | 56.8 | 57.4 | 59.1 | 59.9 | 62.8 | 64.9 | 68.5 |
| 40                 | 50.1 | 49.3 | 47.6 | 46.2 | 45.7 | 45.1 | 43.8 | 43.1 | 41.3 | 39.8 | 41.0 | 42.1 | 43.2 | 43.4 | 44.2 | 44.3 | 46.4 | 47.9 | 49.2 |
| 45                 | 40.0 | 39.6 | 38.1 | 36.7 | 37.1 | 37.1 | 36.1 | 35.9 | 34.6 | 32.9 | 33.8 | 34.7 | 35.3 | 35.6 | 36.0 | 35.5 | 36.9 | 38.5 | 39.2 |
| 50                 | 32.8 | 32.6 | 31.7 | 31.1 | 29.9 | 29.7 | 29.0 | 28.7 | 27.7 | 26.2 | 26.6 | 27.5 | 28.1 | 28.1 | 29.1 | 29.7 | 30.1 | 31.4 | 32.7 |
| 55                 | 25.4 | 25.6 | 25.0 | 24.8 | 23.3 | 22.9 | 22.4 | 22.1 | 21.4 | 20.6 | 20.4 | 21.0 | 21.4 | 21.4 | 22.6 | 23.7 | 23.9 | 24.7 | 26.0 |
| 60                 | 18.5 | 18.6 | 18.0 | 17.7 | 16.5 | 16.0 | 15.3 | 15.1 | 14.4 | 14.1 | 13.8 | 14.0 | 14.4 | 14.6 | 15.6 | 16.5 | 17.1 | 17.9 | 18.9 |
| 65                 | 11.1 | 11.0 | 10.4 | 9.92 | 8.89 | 8.38 | 7.71 | 7.47 | 6.96 | 6.85 | 6.60 | 6.75 | 7.12 | 7.39 | 8.08 | 8.66 | 9.46 | 10.0 | 10.9 |
| 70                 | 4.24 | 4.18 | 3.76 | 3.49 | 2.93 | 2.62 | 2.13 | 1.94 | 1.60 | 1.57 | 1.44 | 1.61 | 1.88 | 2.02 | 2.41 | 2.69 | 3.17 | 3.49 | 4.01 |
| 75                 | 0.38 | 0.35 | 0.28 | 0.25 | 0.24 | 0.22 | 0.21 | 0.19 | 0.19 | 0.18 | 0.19 | 0.18 | 0.18 | 0.19 | 0.18 | 0.21 | 0.20 | 0.24 | 0.31 |
| 80                 | 0.15 | 0.13 | 0.14 | 0.12 | 0.13 | 0.11 | 0.13 | 0.11 | 0.12 | 0.10 | 0.12 | 0.10 | 0.10 | 0.12 | 0.10 | 0.13 | 0.11 | 0.14 | 0.12 |
| 85                 | 0.09 | 0.07 | 0.09 | 0.06 | 0.08 | 0.06 | 0.08 | 0.07 | 0.08 | 0.06 | 0.08 | 0.07 | 0.06 | 0.08 | 0.07 | 0.08 | 0.06 | 0.09 | 0.07 |
| 90                 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                    |             |
|---|--------------------|-------------|
| Test:U:220.7V I:0.0978A P:20.26W PF:0.9380 Lamp Flux:1643.47x1 lm |                    |             |
| NAME: PURE S-21W-930-25   | TYPE:Tracklight    | SERIAL No.: |
| SPEC.:3000K   | DIM.: φ70mm*H138mm |             |
| MFR.: NEKO LIGHTING AG  |                    |             |

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 8605 | 8599 | 8603 | 8598 | 8601 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 8224 | 8305 | 8351 | 8411 | 8406 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 6397 | 6632 | 6735 | 6948 | 6917 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 3065 | 3315 | 3393 | 3621 | 3541 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 840  | 893  | 884  | 957  | 951  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 230  | 233  | 221  | 227  | 222  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 118  | 116  | 103  | 107  | 110  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 69.3 | 69.7 | 65.7 | 67.6 | 68.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 50.1 | 50.4 | 47.0 | 49.5 | 50.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 40.1 | 40.1 | 37.2 | 39.3 | 40.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 33.3 | 33.4 | 31.0 | 32.4 | 33.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 26.4 | 26.4 | 24.5 | 25.2 | 25.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 19.3 | 19.4 | 18.7 | 18.8 | 18.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 11.3 | 11.8 | 11.7 | 11.7 | 11.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 4.28 | 4.64 | 4.72 | 4.74 | 4.56 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 0.36 | 0.39 | 0.41 | 0.42 | 0.40 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 0.14 | 0.12 | 0.15 | 0.13 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 0.09 | 0.07 | 0.09 | 0.07 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-05-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G/C  | 0.0    | 15.0   | 30.0   | 45.0   | 60.0   | 75.0   | 90.0   | 105.0  | 120.0  | 135.0  |
| 0.0  | 8624   | 8618   | 8613   | 8611   | 8605   | 8607   | 8600   | 8605   | 8599   | 8603   |
| 3.0  | 8555   | 8520   | 8452   | 8406   | 8337   | 8312   | 8260   | 8272   | 8256   | 8303   |
| 6.0  | 8191   | 8091   | 7917   | 7806   | 7625   | 7523   | 7383   | 7392   | 7339   | 7445   |
| 9.0  | 7241   | 7089   | 6786   | 6613   | 6301   | 6155   | 5901   | 5852   | 5732   | 5863   |
| 12.0 | 5506   | 5323   | 4927   | 4739   | 4378   | 4205   | 3911   | 3820   | 3651   | 3739   |
| 15.0 | 3315   | 3163   | 2824   | 2673   | 2379   | 2260   | 2028   | 1952   | 1800   | 1843   |
| 18.0 | 1588   | 1546   | 1311   | 1215   | 1053   | 995.5  | 887.8  | 849.7  | 769.6  | 780.1  |
| 21.0 | 636.0  | 609.8  | 562.9  | 497.7  | 433.9  | 414.8  | 375.4  | 363.1  | 330.9  | 332.7  |
| 24.0 | 271.8  | 268.5  | 240.6  | 227.5  | 203.7  | 194.0  | 181.3  | 177.9  | 168.6  | 170.1  |
| 27.0 | 153.9  | 152.5  | 139.5  | 135.8  | 122.9  | 120.4  | 118.0  | 115.9  | 113.4  | 114.7  |
| 30.0 | 110.1  | 108.5  | 102.2  | 97.41  | 91.78  | 89.18  | 86.13  | 83.32  | 81.04  | 81.01  |
| 33.0 | 82.06  | 79.89  | 75.94  | 73.57  | 69.73  | 67.19  | 65.32  | 63.10  | 61.99  | 60.66  |
| 36.0 | 63.62  | 61.83  | 59.73  | 58.61  | 56.79  | 55.47  | 53.91  | 52.69  | 50.97  | 50.02  |
| 39.0 | 52.88  | 51.96  | 50.25  | 48.96  | 48.15  | 47.39  | 46.07  | 45.19  | 43.36  | 42.01  |
| 42.0 | 45.30  | 44.60  | 43.00  | 41.51  | 41.60  | 41.39  | 40.31  | 39.98  | 38.34  | 36.62  |
| 45.0 | 40.04  | 39.62  | 38.09  | 36.71  | 37.09  | 37.12  | 36.10  | 35.93  | 34.57  | 32.91  |
| 48.0 | 35.61  | 35.37  | 34.30  | 33.42  | 33.02  | 33.08  | 32.19  | 31.89  | 30.62  | 29.23  |
| 51.0 | 31.06  | 31.12  | 30.28  | 29.75  | 28.46  | 28.18  | 27.56  | 27.33  | 26.43  | 25.00  |
| 54.0 | 26.73  | 26.92  | 26.38  | 26.04  | 24.60  | 24.19  | 23.70  | 23.45  | 22.66  | 21.73  |
| 57.0 | 22.67  | 22.86  | 22.32  | 22.10  | 20.71  | 20.23  | 19.73  | 19.45  | 18.62  | 18.20  |
| 60.0 | 18.46  | 18.56  | 18.03  | 17.73  | 16.49  | 15.96  | 15.32  | 15.06  | 14.38  | 14.12  |
| 63.0 | 14.08  | 14.08  | 13.47  | 13.05  | 11.93  | 11.40  | 10.66  | 10.38  | 9.731  | 9.623  |
| 66.0 | 9.540  | 9.463  | 8.842  | 8.423  | 7.537  | 7.077  | 6.419  | 6.187  | 5.688  | 5.627  |
| 69.0 | 5.410  | 5.366  | 4.880  | 4.576  | 3.960  | 3.595  | 3.065  | 2.830  | 2.496  | 2.428  |
| 72.0 | 2.188  | 2.126  | 1.770  | 1.576  | 1.156  | 0.9249 | 0.6274 | 0.5079 | 0.4403 | 0.4312 |
| 75.0 | 0.3792 | 0.3488 | 0.2797 | 0.2510 | 0.2440 | 0.2162 | 0.2126 | 0.1879 | 0.1949 | 0.1770 |
| 78.0 | 0.1817 | 0.1573 | 0.1751 | 0.1529 | 0.1642 | 0.1442 | 0.1598 | 0.1333 | 0.1467 | 0.1289 |
| 81.0 | 0.1335 | 0.1092 | 0.1248 | 0.1027 | 0.1204 | 0.0983 | 0.1226 | 0.0983 | 0.1116 | 0.0917 |
| 84.0 | 0.0963 | 0.0721 | 0.0920 | 0.0699 | 0.0876 | 0.0699 | 0.0941 | 0.0678 | 0.0876 | 0.0634 |
| 87.0 | 0.0722 | 0.0568 | 0.0701 | 0.0590 | 0.0679 | 0.0590 | 0.0744 | 0.0612 | 0.0700 | 0.0612 |
| 90.0 | 0.0590 | 0.0568 | 0.0590 | 0.0590 | 0.0612 | 0.0590 | 0.0612 | 0.0612 | 0.0612 | 0.0612 |
| G/C  | 150.0  | 165.0  | 180.0  | 195.0  | 210.0  | 225.0  | 240.0  | 255.0  | 270.0  | 285.0  |
| 0.0  | 8598   | 8601   | 8624   | 8618   | 8613   | 8611   | 8605   | 8607   | 8600   | 8605   |
| 3.0  | 8323   | 8388   | 8461   | 8470   | 8493   | 8485   | 8498   | 8486   | 8506   | 8513   |
| 6.0  | 7488   | 7654   | 7816   | 7845   | 7909   | 7882   | 7920   | 7899   | 7961   | 7995   |
| 9.0  | 5897   | 6145   | 6388   | 6440   | 6602   | 6606   | 6722   | 6708   | 6839   | 6903   |
| 12.0 | 3747   | 3975   | 4237   | 4303   | 4537   | 4581   | 4804   | 4841   | 5082   | 5165   |
| 15.0 | 1831   | 1993   | 2177   | 2195   | 2375   | 2425   | 2670   | 2730   | 2978   | 3065   |
| 18.0 | 761.8  | 816.8  | 894.4  | 883.6  | 958.3  | 994.1  | 1152   | 1236   | 1458   | 1487   |
| 21.0 | 314.9  | 326.1  | 348.5  | 339.1  | 359.1  | 373.2  | 430.3  | 510.4  | 587.2  | 626.6  |
| 24.0 | 158.7  | 158.0  | 165.5  | 163.6  | 171.2  | 177.1  | 199.7  | 222.8  | 267.6  | 285.7  |
| 27.0 | 110.5  | 109.3  | 113.6  | 113.8  | 115.1  | 117.1  | 128.3  | 137.6  | 157.4  | 164.7  |
| 30.0 | 81.41  | 81.96  | 86.29  | 88.45  | 91.61  | 94.93  | 100.0  | 105.5  | 115.6  | 118.5  |
| 33.0 | 62.05  | 62.64  | 64.86  | 65.81  | 67.95  | 69.84  | 73.88  | 77.40  | 83.91  | 84.84  |
| 36.0 | 51.00  | 52.15  | 53.57  | 54.06  | 55.60  | 56.18  | 58.89  | 60.42  | 63.32  | 64.64  |
| 39.0 | 43.17  | 44.37  | 45.50  | 45.69  | 46.66  | 46.89  | 49.15  | 50.65  | 52.19  | 53.11  |
| 42.0 | 37.82  | 38.85  | 39.61  | 39.94  | 40.44  | 40.13  | 41.83  | 43.36  | 44.31  | 45.13  |
| 45.0 | 33.83  | 34.67  | 35.30  | 35.63  | 36.00  | 35.47  | 36.86  | 38.50  | 39.24  | 40.10  |
| 48.0 | 29.62  | 30.59  | 31.21  | 31.41  | 32.18  | 32.16  | 32.97  | 34.42  | 35.27  | 35.98  |
| 51.0 | 25.30  | 26.17  | 26.70  | 26.73  | 27.77  | 28.54  | 28.76  | 29.85  | 31.21  | 31.83  |
| 54.0 | 21.65  | 22.33  | 22.78  | 22.78  | 23.95  | 25.02  | 25.12  | 25.96  | 27.27  | 27.78  |
| 57.0 | 17.93  | 18.29  | 18.71  | 18.79  | 19.93  | 21.00  | 21.32  | 22.12  | 23.33  | 23.75  |
| 60.0 | 13.81  | 14.00  | 14.41  | 14.61  | 15.63  | 16.51  | 17.14  | 17.86  | 18.94  | 19.31  |
| 63.0 | 9.296  | 9.470  | 9.917  | 10.24  | 11.04  | 11.79  | 12.56  | 13.24  | 14.17  | 14.59  |
| 66.0 | 5.379  | 5.553  | 5.922  | 6.185  | 6.813  | 7.312  | 8.017  | 8.527  | 9.331  | 9.739  |
| 69.0 | 2.290  | 2.444  | 2.749  | 2.922  | 3.380  | 3.693  | 4.249  | 4.612  | 5.203  | 5.507  |
| 72.0 | 0.4108 | 0.4247 | 0.4937 | 0.5684 | 0.8063 | 1.005  | 1.330  | 1.574  | 1.993  | 2.172  |
| 75.0 | 0.1927 | 0.1770 | 0.1769 | 0.1926 | 0.1791 | 0.2060 | 0.2009 | 0.2377 | 0.3136 | 0.3610 |
| 78.0 | 0.1466 | 0.1310 | 0.1289 | 0.1466 | 0.1289 | 0.1554 | 0.1398 | 0.1641 | 0.1485 | 0.1707 |
| 81.0 | 0.1094 | 0.0917 | 0.0961 | 0.1116 | 0.0917 | 0.1160 | 0.1005 | 0.1225 | 0.1027 | 0.1269 |
| 84.0 | 0.0832 | 0.0656 | 0.0677 | 0.0854 | 0.0656 | 0.0854 | 0.0699 | 0.0919 | 0.0721 | 0.0985 |
| 87.0 | 0.0700 | 0.0590 | 0.0634 | 0.0722 | 0.0590 | 0.0722 | 0.0590 | 0.0744 | 0.0634 | 0.0788 |
| 90.0 | 0.0590 | 0.0590 | 0.0634 | 0.0634 | 0.0612 | 0.0590 | 0.0590 | 0.0612 | 0.0612 | 0.0634 |
| G/C  | 300.0  | 315.0  | 330.0  | 345.0  |        |        |        |        |        |        |
| 0.0  | 8599   | 8603   | 8598   | 8601   |        |        |        |        |        |        |
| 3.0  | 8541   | 8552   | 8571   | 8563   |        |        |        |        |        |        |
| 6.0  | 8114   | 8181   | 8267   | 8264   |        |        |        |        |        |        |
| 9.0  | 7125   | 7226   | 7407   | 7389   |        |        |        |        |        |        |
| 12.0 | 5411   | 5517   | 5765   | 5714   |        |        |        |        |        |        |
| 15.0 | 3315   | 3393   | 3621   | 3541   |        |        |        |        |        |        |
| 18.0 | 1610   | 1626   | 1761   | 1733   |        |        |        |        |        |        |
| 21.0 | 660.8  | 643.8  | 698.7  | 689.0  |        |        |        |        |        |        |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-05-19

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288

Humidity: 52%

Test Distance: 5.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| 24.0 | 291.8  | 277.7  | 290.3  | 283.7  |
| 27.0 | 163.7  | 151.8  | 155.7  | 153.6  |
| 30.0 | 115.8  | 102.8  | 107.3  | 109.5  |
| 33.0 | 84.91  | 78.27  | 80.83  | 82.66  |
| 36.0 | 64.70  | 60.67  | 62.73  | 63.87  |
| 39.0 | 53.49  | 50.00  | 52.29  | 53.20  |
| 42.0 | 45.18  | 42.19  | 44.51  | 45.60  |
| 45.0 | 40.05  | 37.21  | 39.26  | 40.40  |
| 48.0 | 36.04  | 33.37  | 35.01  | 36.13  |
| 51.0 | 31.82  | 29.43  | 30.72  | 31.64  |
| 54.0 | 27.70  | 25.59  | 26.45  | 27.05  |
| 57.0 | 23.64  | 22.30  | 22.64  | 22.96  |
| 60.0 | 19.40  | 18.67  | 18.79  | 18.75  |
| 63.0 | 14.91  | 14.64  | 14.68  | 14.46  |
| 66.0 | 10.18  | 10.20  | 10.20  | 9.966  |
| 69.0 | 5.915  | 5.966  | 6.009  | 5.798  |
| 72.0 | 2.490  | 2.546  | 2.602  | 2.430  |
| 75.0 | 0.3875 | 0.4066 | 0.4160 | 0.4039 |
| 78.0 | 0.1550 | 0.1751 | 0.1594 | 0.1816 |
| 81.0 | 0.1070 | 0.1335 | 0.1135 | 0.1357 |
| 84.0 | 0.0764 | 0.1007 | 0.0765 | 0.1028 |
| 87.0 | 0.0634 | 0.0788 | 0.0655 | 0.0810 |
| 90.0 | 0.0612 | 0.0634 | 0.0612 | 0.0678 |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-05-19

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks: