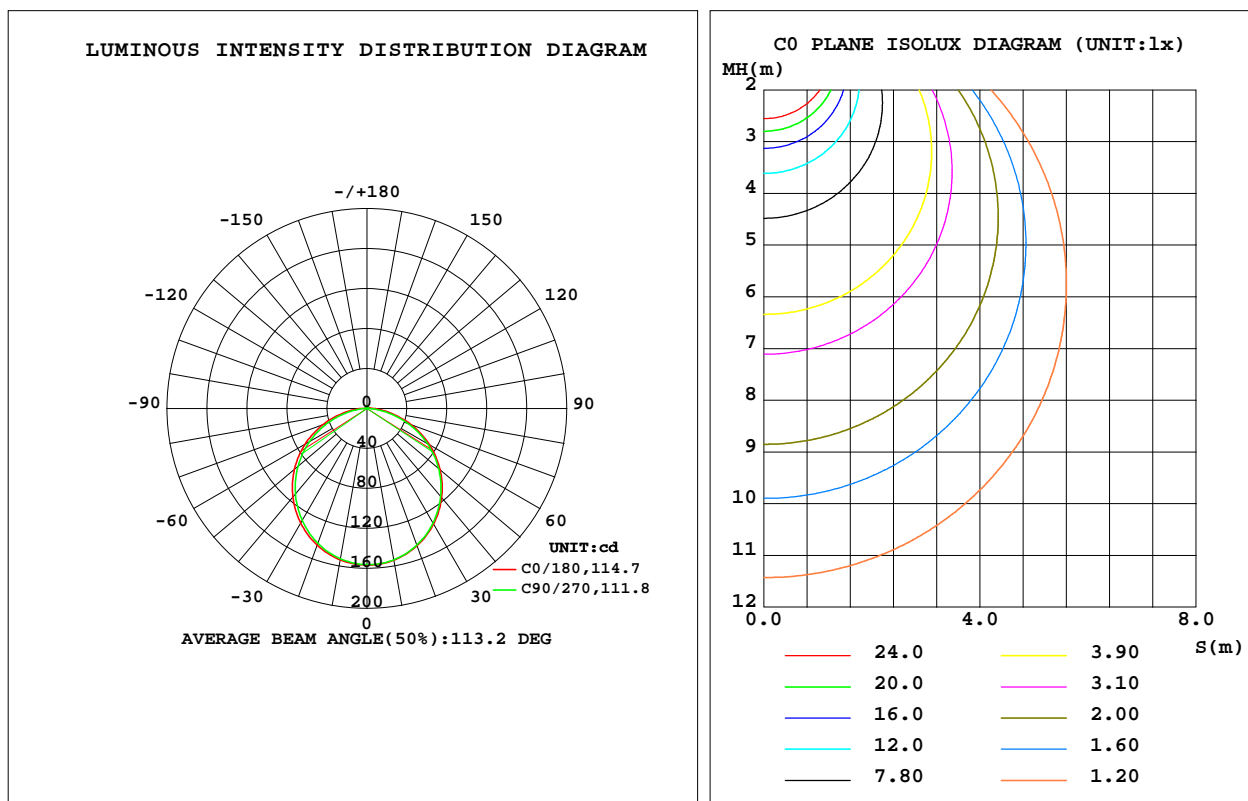


## LUMINAIRE PHOTOMETRIC TEST REPORT

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 63.33 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            | NMT0606 | I <sub>max</sub> (cd)            | 156.7  | S/MH(C0/180)      | 1.27     |
| NOMINAL POWER(W) | 7.2     | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.24     |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 464.48 | h UP,DN(C0-180)   | 1.2,49.5 |
| NOMINAL FLUX(lm) | 464.481 | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 1.0,48.2 |
| LAMPS INSIDE     | 1       | h up(%)                          | 2.3    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 24      | h down(%)                        | 97.7   | CIBSE SHR MAX     | 1.35     |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

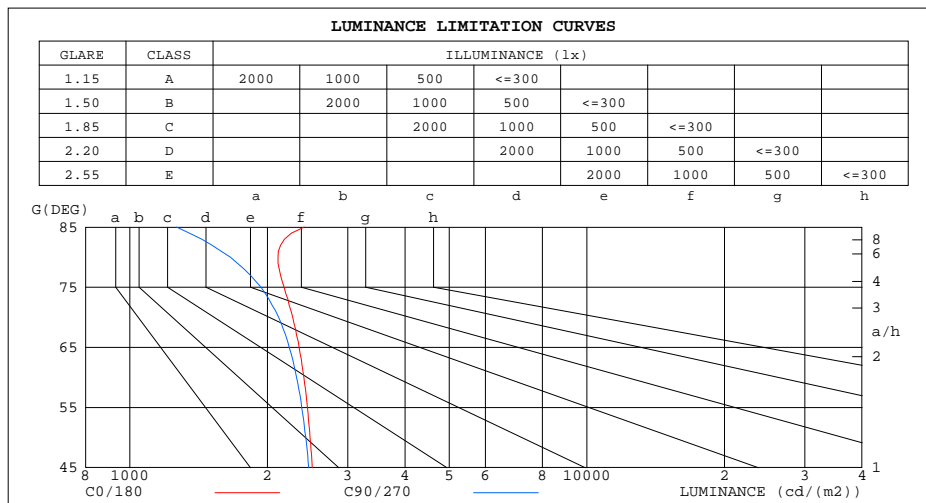
| g   | C0                    | C45   | C90    | C135   | C180  | C225   | C270   | C315  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|-------|--------|--------|-------|--------|--------|-------|---------|---------|---------|-----------|
| 10  | 154.2                 | 154.3 | 153.7  | 153.7  | 153.8 | 153.1  | 152.7  | 153.0 | 0- 10   | 14.79   | 14.79   | 3.19,3.19 |
| 20  | 146.3                 | 146.6 | 145.6  | 145.8  | 145.6 | 144.2  | 143.6  | 144.3 | 10- 20  | 42.35   | 57.14   | 12.3,12.3 |
| 30  | 133.5                 | 133.7 | 132.3  | 132.8  | 132.6 | 130.5  | 129.6  | 130.8 | 20- 30  | 64.14   | 121.3   | 26.1,26.1 |
| 40  | 116.3                 | 116.5 | 114.7  | 115.5  | 115.5 | 112.8  | 111.5  | 113.1 | 30- 40  | 77.38   | 198.7   | 42.8,42.8 |
| 50  | 95.68                 | 95.58 | 93.58  | 94.79  | 94.85 | 91.78  | 90.19  | 91.99 | 40- 50  | 80.52   | 279.2   | 60.1,60.1 |
| 60  | 72.11                 | 71.92 | 69.51  | 71.30  | 71.61 | 68.34  | 66.49  | 68.41 | 50- 60  | 73.32   | 352.5   | 75.9,75.9 |
| 70  | 46.61                 | 46.10 | 43.43  | 45.82  | 46.53 | 43.31  | 41.03  | 43.17 | 60- 70  | 56.74   | 409.2   | 88.1,88.1 |
| 80  | 21.97                 | 20.70 | 17.28  | 20.47  | 21.87 | 18.86  | 15.93  | 18.67 | 70- 80  | 33.46   | 442.7   | 95.3,95.3 |
| 90  | 6.871                 | 4.907 | 0.8622 | 4.106  | 5.779 | 3.531  | 0.5704 | 4.030 | 80- 90  | 11.21   | 453.9   | 97.7,97.7 |
| 100 | 3.782                 | 2.331 | 0.4943 | 1.435  | 2.117 | 1.264  | 0.3484 | 1.670 | 90-100  | 2.580   | 456.5   | 98.3,98.3 |
| 110 | 2.587                 | 1.182 | 0.7064 | 0.9887 | 1.494 | 0.8750 | 0.7287 | 1.130 | 100-110 | 1.505   | 458.0   | 98.6,98.6 |
| 120 | 1.737                 | 1.263 | 1.069  | 1.230  | 1.296 | 1.047  | 1.022  | 1.167 | 110-120 | 1.165   | 459.2   | 98.9,98.9 |
| 130 | 1.677                 | 1.550 | 1.369  | 1.517  | 1.563 | 1.302  | 1.263  | 1.362 | 120-130 | 1.195   | 460.4   | 99.1,99.1 |
| 140 | 1.904                 | 1.764 | 1.623  | 1.757  | 1.830 | 1.603  | 1.456  | 1.542 | 130-140 | 1.215   | 461.6   | 99.4,99.4 |
| 150 | 2.083                 | 1.897 | 1.810  | 2.004  | 2.017 | 1.890  | 1.670  | 1.609 | 140-150 | 1.118   | 462.7   | 99.6,99.6 |
| 160 | 2.297                 | 2.024 | 2.103  | 2.258  | 2.205 | 2.211  | 2.071  | 1.810 | 150-160 | 0.9184  | 463.6   | 99.8,99.8 |
| 170 | 2.412                 | 2.352 | 2.451  | 2.498  | 2.218 | 2.431  | 2.478  | 2.297 | 160-170 | 0.6351  | 464.2   | 99.9,99.9 |
| 180 | 2.344                 | 2.719 | 2.779  | 2.779  | 2.344 | 2.692  | 2.765  | 2.772 | 170-180 | 0.2354  | 464.5   | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |       |        |        |       |        |        |       |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2021-02-01

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

### LUMINANCE LIMITATION CURVES

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG)           | C0/180 | C90/270 |
| 85                | 2408   | 1266    |
| 80                | 2109   | 1658    |
| 75                | 2176   | 1936    |
| 70                | 2271   | 2117    |
| 65                | 2347   | 2234    |
| 60                | 2404   | 2317    |
| 55                | 2447   | 2379    |
| 50                | 2481   | 2426    |
| 45                | 2509   | 2465    |

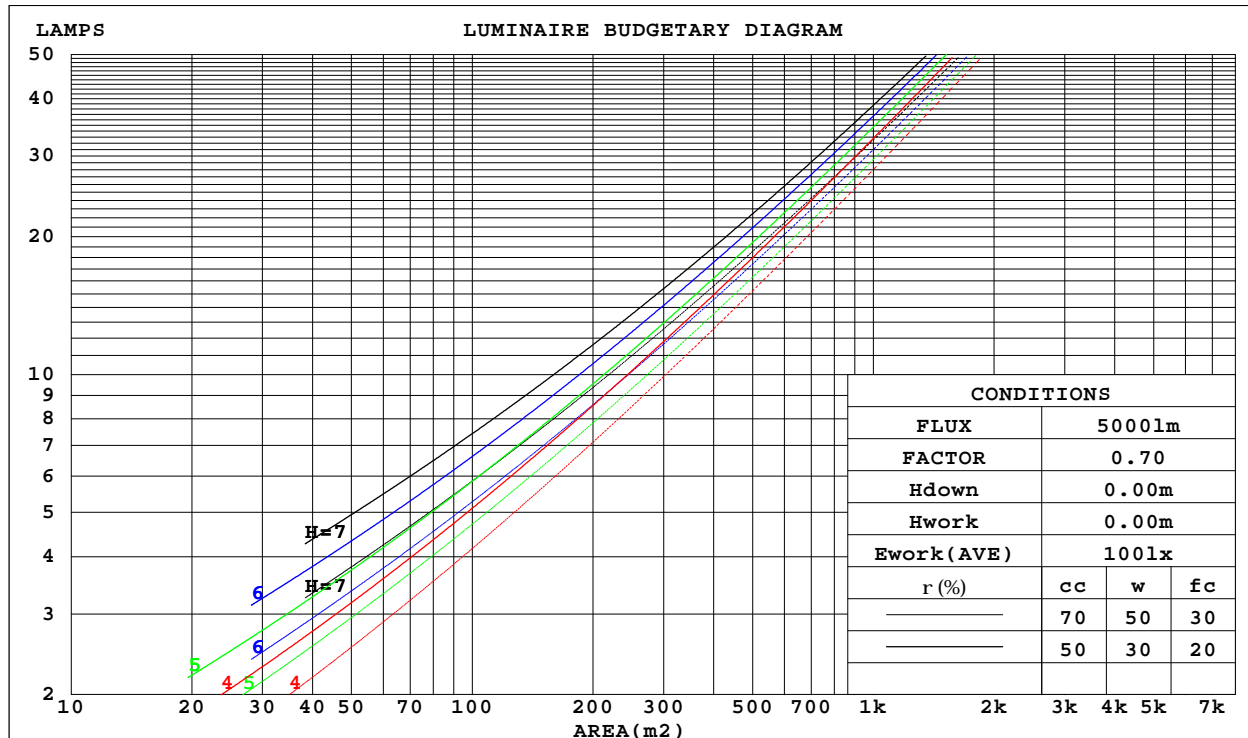
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2021-02-01

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

| r <sub>cc</sub> | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10% |     |     | 0   |
|-----------------|--|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| r <sub>w</sub>  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50% | 30% | 10% | 0   |
| r <sub>fc</sub> | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20% |     |     | 0   |
| RCR             | RCR:Room Cavity Ratio                      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0             | 1.19   | 1.19 | 1.19 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0             | 1.03   | .99  | .95  | 1.00 | .96  | .93  | .96  | .92  | .89  | .91  | .89  | .86  | .87 | .85 | .83 | .81 |
| 2.0             | .89  | .83  | .77  | .87  | .81  | .76  | .83  | .78  | .73  | .80  | .75  | .71  | .76 | .73 | .70 | .67 |
| 3.0             | .78  | .70  | .64  | .77  | .69  | .63  | .73  | .67  | .61  | .70  | .65  | .60  | .67 | .63 | .59 | .56 |
| 4.0             | .69  | .60  | .54  | .68  | .60  | .53  | .65  | .58  | .52  | .62  | .56  | .51  | .60 | .55 | .50 | .48 |
| 5.0             | .62  | .53  | .46  | .61  | .52  | .46  | .58  | .51  | .45  | .56  | .49  | .44  | .54 | .48 | .44 | .41 |
| 6.0             | .56  | .47  | .40  | .55  | .46  | .40  | .53  | .45  | .39  | .51  | .44  | .39  | .49 | .43 | .38 | .36 |
| 7.0             | .50  | .42  | .35  | .50  | .41  | .35  | .48  | .40  | .35  | .46  | .39  | .34  | .45 | .39 | .34 | .32 |
| 8.0             | .46  | .37  | .32  | .45  | .37  | .31  | .44  | .36  | .31  | .42  | .36  | .31  | .41 | .35 | .30 | .28 |
| 9.0             | .42  | .34  | .28  | .42  | .34  | .28  | .40  | .33  | .28  | .39  | .32  | .28  | .38 | .32 | .27 | .26 |
| 10.0            | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .25  | .36  | .30  | .25  | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

WEC AND CCEC

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.481x1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

| rcc  | 80%   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rw   | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0  | .317  | .180 | .057 | .309 | .176 | .056 | .295 | .169 | .054 | .281 | .162 | .052 | .269 | .156 | .050 |   |
| 2.0  | .296  | .162 | .050 | .289 | .159 | .049 | .276 | .153 | .048 | .264 | .148 | .046 | .253 | .143 | .045 |   |
| 3.0  | .272  | .145 | .043 | .266 | .143 | .043 | .255 | .138 | .042 | .244 | .134 | .041 | .234 | .130 | .040 |   |
| 4.0  | .251  | .130 | .038 | .245 | .128 | .038 | .235 | .125 | .037 | .226 | .121 | .037 | .217 | .118 | .036 |   |
| 5.0  | .231  | .118 | .034 | .227 | .116 | .034 | .217 | .113 | .033 | .209 | .110 | .033 | .201 | .107 | .032 |   |
| 6.0  | .214  | .107 | .031 | .210 | .106 | .031 | .202 | .103 | .030 | .194 | .101 | .030 | .187 | .098 | .029 |   |
| 7.0  | .199  | .099 | .028 | .195 | .097 | .028 | .188 | .095 | .027 | .181 | .093 | .027 | .175 | .091 | .027 |   |
| 8.0  | .186  | .091 | .026 | .183 | .090 | .025 | .176 | .088 | .025 | .170 | .086 | .025 | .164 | .084 | .025 |   |
| 9.0  | .174  | .084 | .024 | .171 | .083 | .023 | .165 | .082 | .023 | .159 | .080 | .023 | .154 | .078 | .023 |   |
| 10.0 | .164  | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .150 | .075 | .021 | .146 | .073 | .021 |   |

| rcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .208   | .208 | .208 | .178 | .178 | .178 | .121 | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .198   | .174 | .151 | .170 | .149 | .130 | .116 | .102 | .090 | .067 | .059 | .052 | .021 | .019 | .017 |   |
| 2.0  | .190   | .149 | .115 | .163 | .129 | .100 | .112 | .089 | .069 | .064 | .052 | .041 | .021 | .017 | .013 |   |
| 3.0  | .183   | .132 | .092 | .157 | .114 | .079 | .107 | .079 | .056 | .062 | .046 | .033 | .020 | .015 | .011 |   |
| 4.0  | .175   | .119 | .076 | .150 | .103 | .066 | .103 | .072 | .046 | .060 | .042 | .027 | .019 | .014 | .009 |   |
| 5.0  | .168   | .108 | .065 | .144 | .094 | .056 | .099 | .066 | .040 | .057 | .038 | .024 | .019 | .013 | .008 |   |
| 6.0  | .160   | .100 | .057 | .138 | .087 | .050 | .095 | .061 | .035 | .055 | .036 | .021 | .018 | .012 | .007 |   |
| 7.0  | .154   | .093 | .051 | .132 | .081 | .044 | .091 | .057 | .032 | .053 | .033 | .019 | .017 | .011 | .006 |   |
| 8.0  | .147   | .088 | .047 | .127 | .076 | .041 | .088 | .053 | .029 | .051 | .031 | .017 | .016 | .010 | .006 |   |
| 9.0  | .141   | .083 | .043 | .121 | .072 | .038 | .084 | .050 | .027 | .049 | .030 | .016 | .016 | .010 | .005 |   |
| 10.0 | .135   | .078 | .040 | .117 | .068 | .035 | .081 | .048 | .025 | .047 | .028 | .015 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                    |                |      |                  |      |      |
|---|------------------|------|------|------|--------------------|----------------|------|------------------|------|------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                  |      |      |      |                    |                |      |                  |      |      |
| NAME: NTT0606   |                  |      |      |      | TYPE:              |                |      | WEIGHT:          |      |      |
| SPEC.:NTT0606-9SW24CSN050CC0100   |                  |      |      |      | DIM.: 1000*06*06mm |                |      | SERIAL No.:01    |      |      |
| MFR.: COLORS  |                  |      |      |      | SUR.:1000*06       |                |      | Shielding 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   | 18.6             | 20.1 | 18.9 | 20.4 | 20.6               | 18.5           | 20.0 | 18.8             | 20.2 | 20.5 |
| 3H  | 20.2             | 21.6 | 20.6 | 21.9 | 22.2               | 20.0           | 21.4 | 20.4             | 21.7 | 22.0 |
| 4H  | 20.9             | 22.2 | 21.2 | 22.5 | 22.8               | 20.6           | 21.9 | 21.0             | 22.2 | 22.5 |
| 6H  | 21.4             | 22.7 | 21.8 | 23.0 | 23.3               | 21.0           | 22.3 | 21.4             | 22.6 | 22.9 |
| 8H  | 21.6             | 22.8 | 22.0 | 23.2 | 23.5               | 21.1           | 22.3 | 21.5             | 22.6 | 23.0 |
| 12H   | 21.8             | 23.0 | 22.2 | 23.3 | 23.7               | 21.2           | 22.3 | 21.6             | 22.7 | 23.0 |
| 4H 2H   | 19.2             | 20.6 | 19.6 | 20.8 | 21.2               | 19.1           | 20.5 | 19.5             | 20.7 | 21.1 |
| 3H  | 21.0             | 22.2 | 21.4 | 22.5 | 22.9               | 20.9           | 22.0 | 21.2             | 22.3 | 22.7 |
| 4H  | 21.8             | 22.9 | 22.2 | 23.2 | 23.6               | 21.6           | 22.6 | 22.0             | 23.0 | 23.4 |
| 6H  | 22.5             | 23.4 | 22.9 | 23.8 | 24.2               | 22.1           | 23.0 | 22.5             | 23.4 | 23.8 |
| 8H  | 22.8             | 23.6 | 23.2 | 24.0 | 24.5               | 22.3           | 23.1 | 22.7             | 23.5 | 24.0 |
| 12H   | 23.0             | 23.8 | 23.5 | 24.2 | 24.7               | 22.4           | 23.2 | 22.8             | 23.6 | 24.0 |
| 8H 4H   | 22.1             | 23.0 | 22.6 | 23.4 | 23.8               | 21.9           | 22.8 | 22.3             | 23.2 | 23.6 |
| 6H  | 22.9             | 23.7 | 23.4 | 24.1 | 24.6               | 22.6           | 23.3 | 23.0             | 23.7 | 24.2 |
| 8H  | 23.3             | 23.9 | 23.8 | 24.4 | 24.9               | 22.8           | 23.5 | 23.3             | 23.9 | 24.4 |
| 12H   | 23.7             | 24.2 | 24.2 | 24.7 | 25.2               | 23.0           | 23.5 | 23.5             | 24.0 | 24.6 |
| 12H 4H  | 22.1             | 22.9 | 22.6 | 23.3 | 23.8               | 21.9           | 22.7 | 22.4             | 23.1 | 23.6 |
| 6H  | 23.0             | 23.6 | 23.5 | 24.1 | 24.6               | 22.6           | 23.3 | 23.1             | 23.8 | 24.3 |
| 8H  | 23.4             | 24.0 | 23.9 | 24.5 | 25.0               | 22.9           | 23.5 | 23.5             | 24.0 | 24.5 |
| Variations with the observer position at spacings:                        |                  |      |      |      |                    |                |      |                  |      |      |
| S = 1.0H  | + 0.1 / - 0.2    |      |      |      |                    | + 0.1 / - 0.2  |      |                  |      |      |
| 1.5H  | + 0.2 / - 0.3    |      |      |      |                    | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H  | + 0.1 / - 0.3    |      |      |      |                    | + 0.2 / - 0.3  |      |                  |      |      |

CIE Pub.117, 464.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

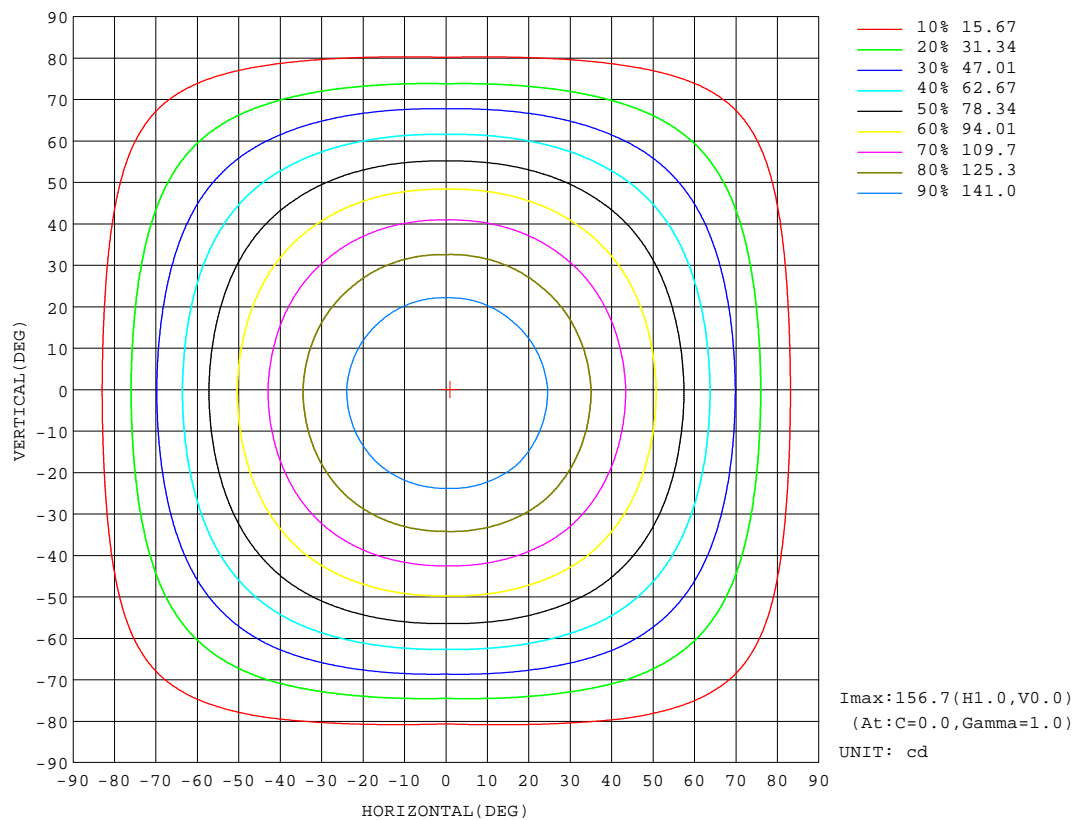
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56  | 45  | 38        | 56  | 44  | 38  | 54  | 44            | 37  | 31     |
| 0.80                             | 66  | 55  | 47        | 65  | 54  | 47  | 63  | 53            | 46  | 39     |
| 1.00                             | 75  | 63  | 56        | 73  | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82  | 71  | 64        | 80  | 70  | 63  | 77  | 69            | 62  | 55     |
| 1.50                             | 87  | 77  | 70        | 85  | 76  | 69  | 82  | 74            | 68  | 60     |
| 2.00                             | 94  | 85  | 78        | 92  | 84  | 77  | 88  | 81            | 76  | 67     |
| 2.50                             | 98  | 90  | 83        | 95  | 88  | 82  | 91  | 85            | 80  | 71     |
| 3.00                             | 101   | 94  | 88        | 99  | 92  | 87  | 94  | 89            | 85  | 76     |
| 4.00                             | 105   | 99  | 94        | 103 | 97  | 93  | 98  | 94            | 90  | 80     |
| 5.00                             | 108   | 103 | 98        | 105 | 101 | 97  | 100 | 97            | 93  | 83     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

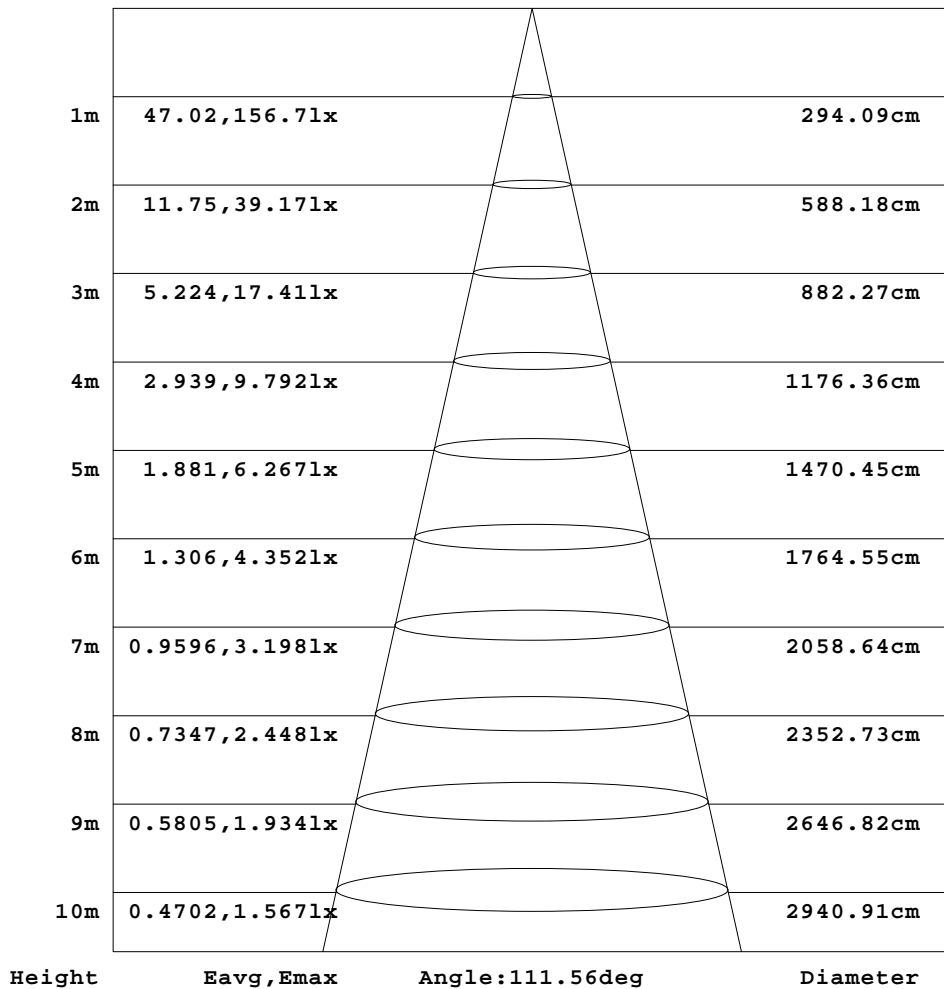
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:



## AAI Figure

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

Flux out:324.7 lm



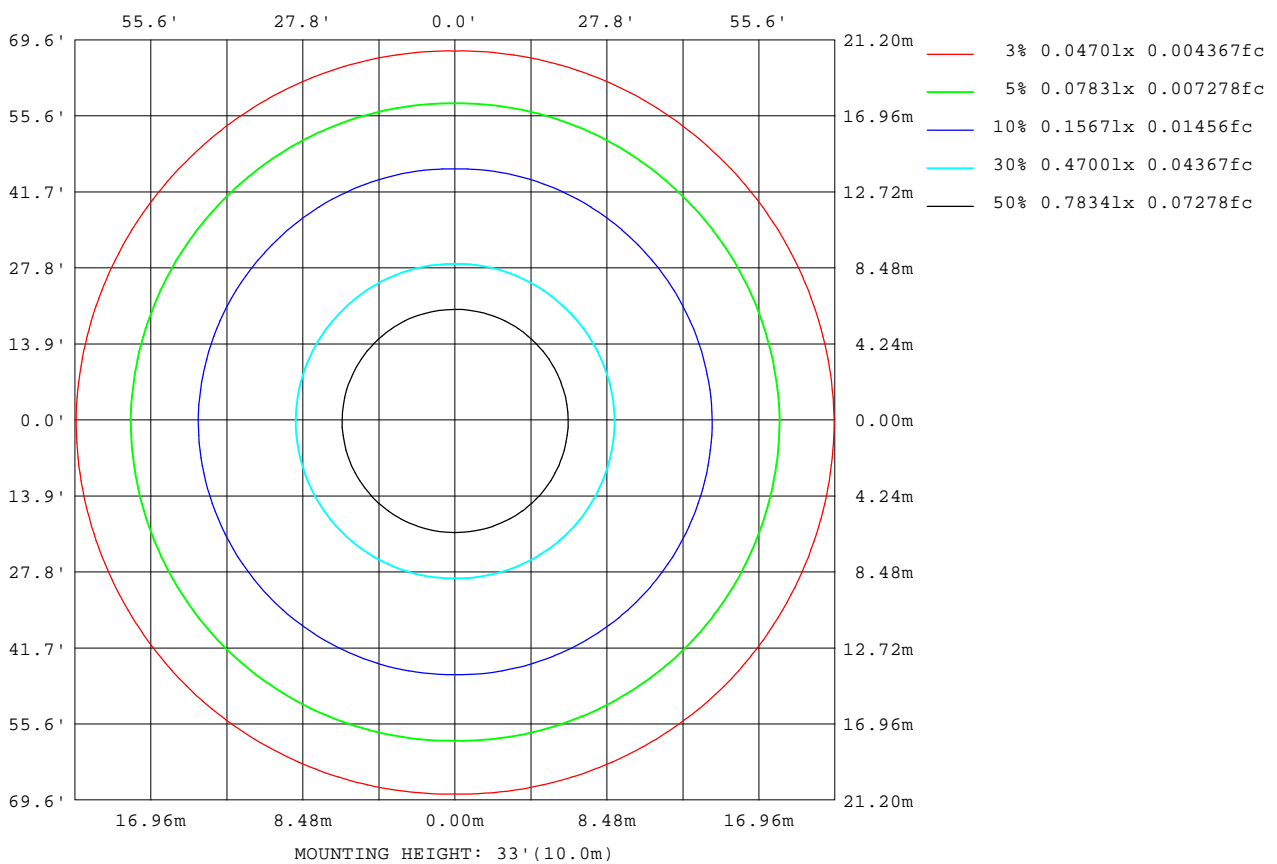
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2021-02-01

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

### LED Avg.L Report

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

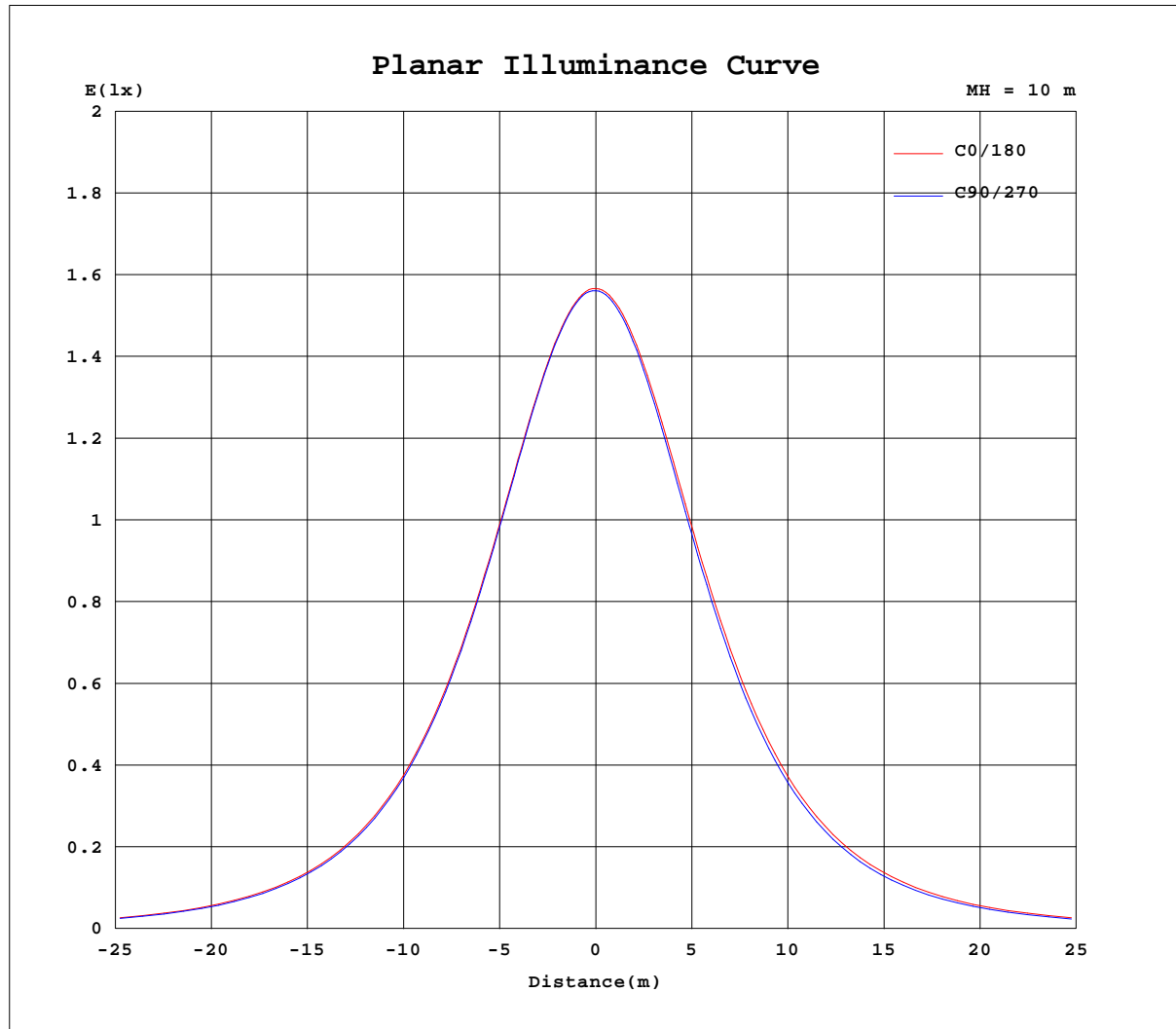
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 2341  |
| L_0~180(75)av  | 2178  |
| L_0~180(85)av  | 2356  |
| L_90~270(65)av | 2180  |
| L_90~270(75)av | 1874  |
| L_90~270(85)av | 1211  |
| L_45(65)av     | 2265  |
| L_45(75)av     | 2045  |
| L_45(85)av     | 1881  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 2021-02-01

deg Range: 0 - 180DEG  
deg Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.950m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3056A P:7.334W PF:1.000 Freq:0Hz Lamp Flux:464.48lx1 lm |                    |                  |
| NAME: NTT0606   | TYPE:              | WEIGHT:          |
| SPEC.:NTT0606-9SW24CSN050CC0100   | DIM.: 1000*06*06mm | SERIAL No.:01    |
| MFR.: COLORS  | SUR.:1000*06       | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                 | 157  | 157  | 156  | 156  | 157  | 157  | 156  | 156  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 156  | 156  | 156  | 156  | 156  | 156  | 155  | 155  |  |  |  |  |  |  |  |  |  |  |
| 10                | 154  | 154  | 154  | 154  | 154  | 153  | 153  | 153  |  |  |  |  |  |  |  |  |  |  |
| 15                | 151  | 151  | 150  | 150  | 150  | 149  | 149  | 149  |  |  |  |  |  |  |  |  |  |  |
| 20                | 146  | 147  | 146  | 146  | 146  | 144  | 144  | 144  |  |  |  |  |  |  |  |  |  |  |
| 25                | 140  | 141  | 140  | 140  | 140  | 138  | 137  | 138  |  |  |  |  |  |  |  |  |  |  |
| 30                | 134  | 134  | 132  | 133  | 133  | 130  | 130  | 131  |  |  |  |  |  |  |  |  |  |  |
| 35                | 125  | 126  | 124  | 125  | 125  | 122  | 121  | 122  |  |  |  |  |  |  |  |  |  |  |
| 40                | 116  | 116  | 115  | 116  | 116  | 113  | 111  | 113  |  |  |  |  |  |  |  |  |  |  |
| 45                | 106  | 106  | 105  | 106  | 106  | 103  | 101  | 103  |  |  |  |  |  |  |  |  |  |  |
| 50                | 95.7 | 95.6 | 93.6 | 94.8 | 94.9 | 91.8 | 90.2 | 92.0 |  |  |  |  |  |  |  |  |  |  |
| 55                | 84.2 | 84.1 | 81.9 | 83.3 | 83.5 | 80.3 | 78.6 | 80.5 |  |  |  |  |  |  |  |  |  |  |
| 60                | 72.1 | 71.9 | 69.5 | 71.3 | 71.6 | 68.3 | 66.5 | 68.4 |  |  |  |  |  |  |  |  |  |  |
| 65                | 59.5 | 59.2 | 56.6 | 58.7 | 59.2 | 55.9 | 53.9 | 55.9 |  |  |  |  |  |  |  |  |  |  |
| 70                | 46.6 | 46.1 | 43.4 | 45.8 | 46.5 | 43.3 | 41.0 | 43.2 |  |  |  |  |  |  |  |  |  |  |
| 75                | 33.8 | 33.0 | 30.1 | 32.8 | 33.9 | 30.7 | 28.1 | 30.5 |  |  |  |  |  |  |  |  |  |  |
| 80                | 22.0 | 20.7 | 17.3 | 20.5 | 21.9 | 18.9 | 15.9 | 18.7 |  |  |  |  |  |  |  |  |  |  |
| 85                | 12.6 | 10.7 | 6.62 | 10.2 | 12.0 | 9.19 | 6.05 | 9.28 |  |  |  |  |  |  |  |  |  |  |
| 90                | 6.87 | 4.91 | 0.86 | 4.11 | 5.78 | 3.53 | 0.57 | 4.03 |  |  |  |  |  |  |  |  |  |  |
| 95                | 4.55 | 2.94 | 0.53 | 1.97 | 3.01 | 1.65 | 0.18 | 2.57 |  |  |  |  |  |  |  |  |  |  |
| 100               | 3.78 | 2.33 | 0.49 | 1.43 | 2.12 | 1.26 | 0.35 | 1.67 |  |  |  |  |  |  |  |  |  |  |
| 105               | 3.27 | 1.68 | 0.53 | 1.08 | 1.84 | 0.98 | 0.55 | 1.39 |  |  |  |  |  |  |  |  |  |  |
| 110               | 2.59 | 1.18 | 0.71 | 0.99 | 1.49 | 0.88 | 0.73 | 1.13 |  |  |  |  |  |  |  |  |  |  |
| 115               | 1.96 | 1.16 | 0.89 | 1.08 | 1.28 | 0.88 | 0.89 | 1.08 |  |  |  |  |  |  |  |  |  |  |
| 120               | 1.74 | 1.26 | 1.07 | 1.23 | 1.30 | 1.05 | 1.02 | 1.17 |  |  |  |  |  |  |  |  |  |  |
| 125               | 1.63 | 1.41 | 1.24 | 1.38 | 1.41 | 1.15 | 1.14 | 1.25 |  |  |  |  |  |  |  |  |  |  |
| 130               | 1.68 | 1.55 | 1.37 | 1.52 | 1.56 | 1.30 | 1.26 | 1.36 |  |  |  |  |  |  |  |  |  |  |
| 135               | 1.80 | 1.68 | 1.51 | 1.63 | 1.71 | 1.46 | 1.37 | 1.46 |  |  |  |  |  |  |  |  |  |  |
| 140               | 1.90 | 1.76 | 1.62 | 1.76 | 1.83 | 1.60 | 1.46 | 1.54 |  |  |  |  |  |  |  |  |  |  |
| 145               | 2.03 | 1.84 | 1.72 | 1.88 | 1.93 | 1.81 | 1.54 | 1.58 |  |  |  |  |  |  |  |  |  |  |
| 150               | 2.08 | 1.90 | 1.81 | 2.00 | 2.02 | 1.89 | 1.67 | 1.61 |  |  |  |  |  |  |  |  |  |  |
| 155               | 2.21 | 1.96 | 1.95 | 2.13 | 2.12 | 2.03 | 1.86 | 1.68 |  |  |  |  |  |  |  |  |  |  |
| 160               | 2.30 | 2.02 | 2.10 | 2.26 | 2.20 | 2.21 | 2.07 | 1.81 |  |  |  |  |  |  |  |  |  |  |
| 165               | 2.35 | 2.14 | 2.32 | 2.39 | 2.29 | 2.30 | 2.24 | 2.00 |  |  |  |  |  |  |  |  |  |  |
| 170               | 2.41 | 2.35 | 2.45 | 2.50 | 2.22 | 2.43 | 2.48 | 2.30 |  |  |  |  |  |  |  |  |  |  |
| 175               | 2.34 | 2.54 | 2.64 | 2.64 | 2.20 | 2.54 | 2.65 | 2.52 |  |  |  |  |  |  |  |  |  |  |
| 180               | 2.34 | 2.72 | 2.78 | 2.78 | 2.34 | 2.69 | 2.77 | 2.77 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-02-01

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks: