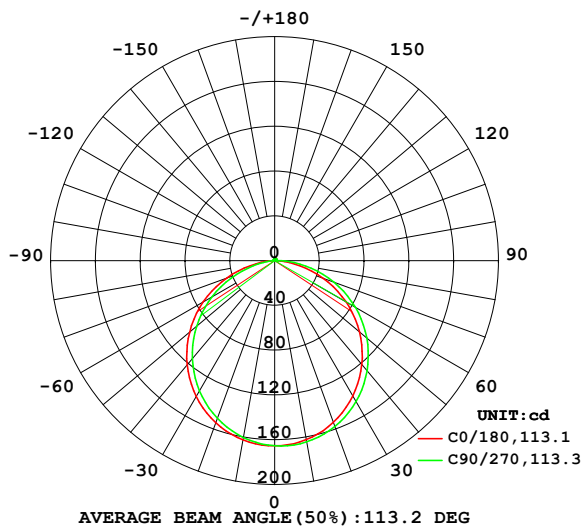


## LUMINAIRE PHOTOMETRIC TEST REPORT

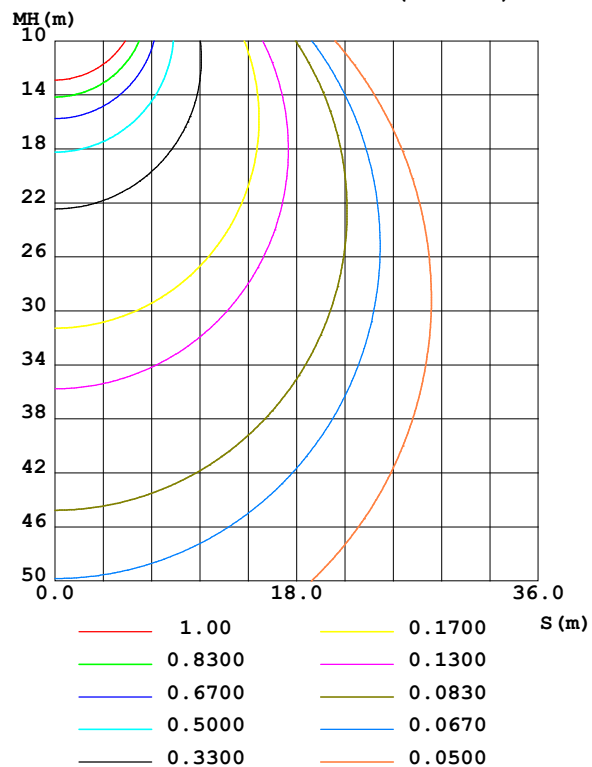
|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |        |                   |          | Eff: 48.40 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            |         | I <sub>max</sub> (cd) | 165.8  | S/MH(C0/180)      | 1.26     |                 |
| NOMINAL POWER(W) | 10      | LOR(%)                | 100.0  | S/MH(C90/270)     | 1.21     |                 |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)        | 486.31 | □ UP,DN(C0-180)   | 1.1,52.2 |                 |
| NOMINAL FLUX(lm) | 4.05254 | CIE CLASS             | DIRECT | □ UP,DN(C180-360) | 0.9,45.9 |                 |
| LAMPS INSIDE     | 120     | □ up (%)              | 2.0    | CIBSE SHR NOM     | 1.25     |                 |
| TEST VOLTAGE(V)  | 24      | □ down (%)            | 98.0   | CIBSE SHR MAX     | 1.35     |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YSL  
 Test Date:2021-07-07

□ Range: 0 - 180DEG  
 □ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| °   | C0                    | C45   | C90   | C135  | C180   | C225  | C270  | C315  | °       | zone    | total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|--------|-------|-------|-------|---------|---------|-------|------------|
| 10  | 162.4                 | 163.5 | 164.4 | 164.3 | 162.6  | 161.5 | 160.5 | 160.8 | 0- 10   | 15.65   | 15.65 | 3.22,3.22  |
| 20  | 153.7                 | 155.9 | 157.6 | 157.3 | 154.0  | 151.9 | 149.9 | 150.4 | 10- 20  | 44.84   | 60.49 | 12.4,12.4  |
| 30  | 139.7                 | 143.0 | 145.5 | 144.9 | 140.2  | 137.1 | 134.3 | 135.1 | 20- 30  | 67.99   | 128.5 | 26.4,26.4  |
| 40  | 121.1                 | 125.3 | 128.5 | 127.6 | 121.6  | 117.8 | 114.4 | 115.3 | 30- 40  | 82.09   | 210.6 | 43.3,43.3  |
| 50  | 98.92                 | 103.8 | 107.5 | 106.3 | 99.20  | 94.71 | 90.91 | 92.00 | 40- 50  | 85.41   | 296.0 | 60.9,60.9  |
| 60  | 73.65                 | 79.10 | 83.20 | 81.78 | 73.57  | 68.62 | 64.54 | 65.74 | 50- 60  | 77.55   | 373.5 | 76.8,76.8  |
| 70  | 46.00                 | 51.90 | 56.33 | 54.58 | 45.44  | 40.39 | 36.29 | 37.55 | 60- 70  | 59.42   | 432.9 | 89,89      |
| 80  | 18.46                 | 24.00 | 28.35 | 26.31 | 17.07  | 13.44 | 10.64 | 11.46 | 70- 80  | 33.85   | 466.8 | 96,96      |
| 90  | 1.477                 | 3.915 | 6.188 | 4.679 | 0.6298 | 1.345 | 1.188 | 1.575 | 80- 90  | 9.924   | 476.7 | 98,98      |
| 100 | 0.4160                | 1.809 | 1.675 | 1.567 | 0.4305 | 1.094 | 1.058 | 1.409 | 90-100  | 1.757   | 478.5 | 98.4,98.4  |
| 110 | 0.7400                | 1.740 | 1.548 | 1.485 | 0.6461 | 1.177 | 1.189 | 1.413 | 100-110 | 1.344   | 479.8 | 98.7,98.7  |
| 120 | 1.057                 | 1.728 | 1.581 | 1.397 | 0.9868 | 1.203 | 1.337 | 1.437 | 110-120 | 1.314   | 481.1 | 98.9,98.9  |
| 130 | 1.355                 | 1.773 | 1.636 | 1.454 | 1.228  | 1.315 | 1.479 | 1.519 | 120-130 | 1.278   | 482.4 | 99.2,99.2  |
| 140 | 1.592                 | 1.868 | 1.740 | 1.576 | 1.450  | 1.469 | 1.603 | 1.643 | 130-140 | 1.195   | 483.6 | 99.4,99.4  |
| 150 | 1.800                 | 1.956 | 1.890 | 1.741 | 1.685  | 1.635 | 1.677 | 1.789 | 140-150 | 1.061   | 484.7 | 99.7,99.7  |
| 160 | 1.994                 | 2.043 | 2.012 | 1.936 | 1.912  | 1.837 | 1.865 | 1.937 | 150-160 | 0.8552  | 485.5 | 99.8,99.8  |
| 170 | 2.188                 | 2.193 | 2.116 | 2.134 | 2.143  | 2.065 | 2.064 | 2.125 | 160-170 | 0.5725  | 486.1 | 100,100    |
| 180 | 2.335                 | 2.300 | 2.285 | 2.318 | 2.342  | 2.302 | 2.285 | 2.318 | 170-180 | 0.2099  | 486.3 | 100,100    |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |        |       |       |       |         | UNIT:lm |       |            |

Conical surface Flux(90deg): 262.14 lm

%lum = 53.9%

%lamp = 53.9%

Conical surface Flux(120deg): 373.53 lm

%lum = 76.8%

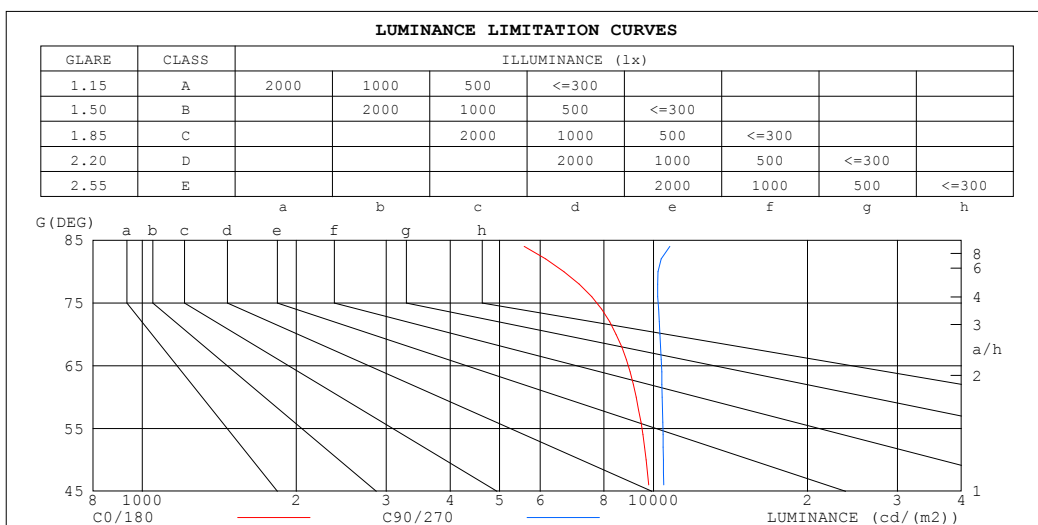
%lamp = 76.8%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

Range: 0 - 180DEG  
Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 6696   | 12911   |
| 80                | 6679   | 10204   |
| 75                | 8435   | 10893   |
| 70                | 8450   | 10294   |
| 65                | 9339   | 10761   |
| 60                | 9255   | 10401   |
| 55                | 9764   | 10694   |
| 50                | 9669   | 10454   |
| 45                | 10013  | 10652   |

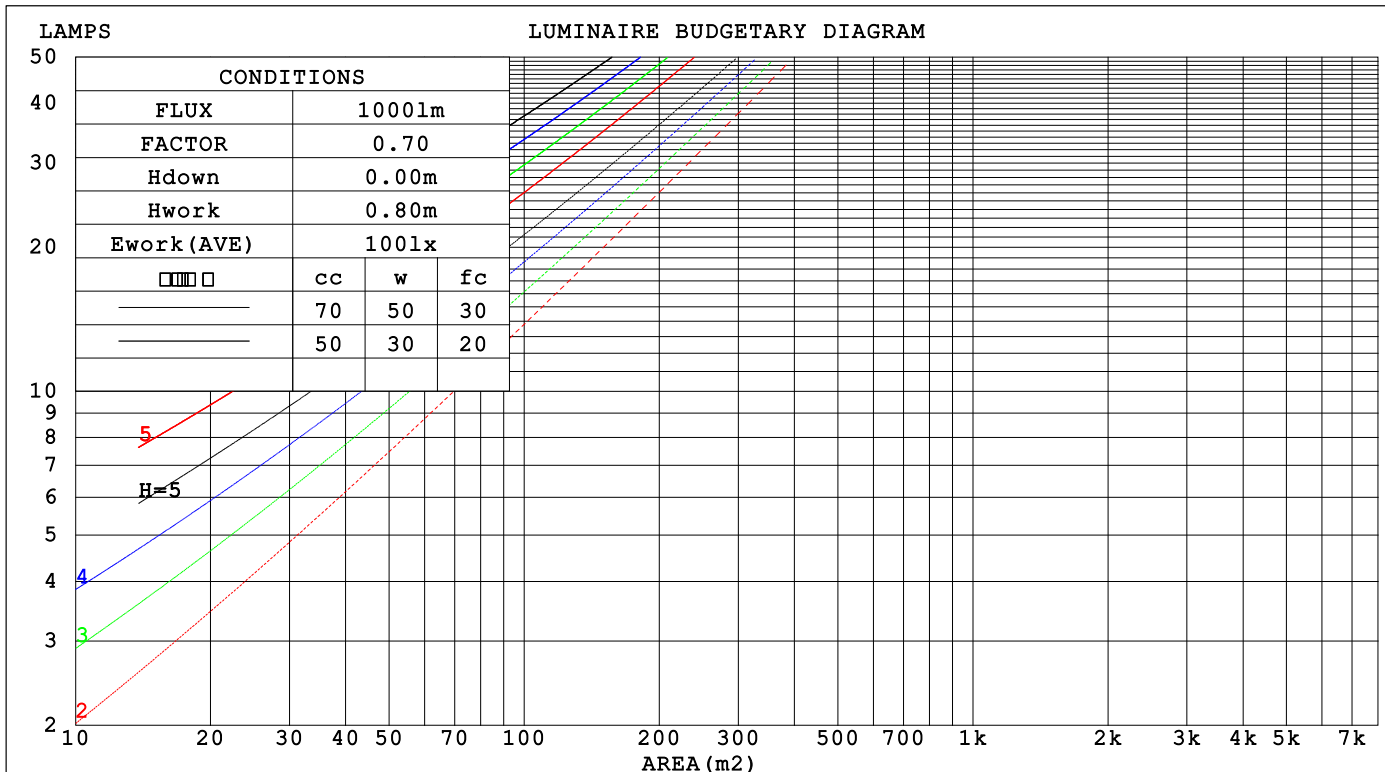
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |

| □cc | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| □w  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □fc | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### WEC AND CCEC

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |

|                             |                       |                |                                 |                |                |   |
|-----------------------------|-----------------------|----------------|---------------------------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%                             | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                     | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%                   | 20%            | 20%                             | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio |                | Wall Exitance Coefficients(WEC) |                |                |   |
| 0.0                         |                       |                |                                 |                |                |   |
| 1.0                         | .312 .177 .056        | .304 .173 .055 | .290 .166 .053                  | .276 .159 .051 | .264 .153 .049 |   |
| 2.0                         | .293 .160 .049        | .286 .157 .049 | .273 .152 .047                  | .261 .147 .046 | .250 .142 .045 |   |
| 3.0                         | .270 .144 .043        | .264 .142 .043 | .253 .137 .042                  | .243 .133 .041 | .233 .129 .040 |   |
| 4.0                         | .249 .130 .038        | .244 .128 .038 | .234 .124 .037                  | .225 .121 .036 | .216 .117 .036 |   |
| 5.0                         | .230 .117 .034        | .226 .116 .034 | .217 .113 .033                  | .208 .110 .033 | .201 .107 .032 |   |
| 6.0                         | .214 .107 .031        | .209 .106 .030 | .201 .103 .030                  | .194 .101 .030 | .187 .098 .029 |   |
| 7.0                         | .199 .098 .028        | .195 .097 .028 | .188 .095 .027                  | .181 .093 .027 | .175 .091 .027 |   |
| 8.0                         | .186 .091 .025        | .182 .090 .025 | .176 .088 .025                  | .170 .086 .025 | .164 .084 .025 |   |
| 9.0                         | .174 .084 .023        | .171 .083 .023 | .165 .082 .023                  | .159 .080 .023 | .154 .078 .023 |   |
| 10.0                        | .163 .078 .022        | .161 .078 .022 | .155 .076 .021                  | .150 .075 .021 | .146 .073 .021 |   |

|                             |                       |                |  |                |                |   |
|-----------------------------|-----------------------|----------------|--|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%  | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                                | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%                   | 20%            | 20%  | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio |                | Ceiling Cavity Exitance Coefficients(CCEC) |                |                |   |
| 0.0                         | .205 .205 .205        | .176 .176 .176 | .120 .120 .120                             | .069 .069 .069 | .022 .022 .022 |   |
| 1.0                         | .196 .171 .149        | .167 .147 .129 | .114 .101 .089                             | .066 .059 .052 | .021 .019 .017 |   |
| 2.0                         | .188 .147 .113        | .161 .127 .098 | .110 .088 .068                             | .063 .051 .040 | .020 .016 .013 |   |
| 3.0                         | .180 .130 .090        | .154 .112 .078 | .106 .078 .054                             | .061 .045 .032 | .020 .015 .011 |   |
| 4.0                         | .172 .116 .074        | .148 .101 .064 | .102 .070 .045                             | .059 .041 .027 | .019 .013 .009 |   |
| 5.0                         | .165 .106 .063        | .142 .092 .054 | .098 .064 .038                             | .057 .038 .023 | .018 .012 .008 |   |
| 6.0                         | .158 .098 .055        | .136 .085 .048 | .094 .059 .034                             | .054 .035 .020 | .018 .011 .007 |   |
| 7.0                         | .151 .091 .049        | .130 .079 .042 | .090 .055 .030                             | .052 .033 .018 | .017 .011 .006 |   |
| 8.0                         | .144 .085 .044        | .124 .074 .039 | .086 .052 .027                             | .050 .031 .016 | .016 .010 .005 |   |
| 9.0                         | .138 .080 .041        | .119 .070 .036 | .083 .049 .025                             | .048 .029 .015 | .016 .009 .005 |   |
| 10.0                        | .133 .076 .038        | .114 .066 .033 | .079 .046 .024                             | .046 .027 .014 | .015 .009 .005 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                    |                |      |                  |      |      |
|---|------------------|------|------|------|--------------------|----------------|------|------------------|------|------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                  |      |      |      |                    |                |      |                  |      |      |
| NAME: NS-T1615-W40-10   |                  |      |      |      | TYPE:              |                |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      |      | DIM.: 1000*16*15MM |                |      | SERIAL No.:      |      |      |
| MFR.:   |                  |      |      |      | SUR.: 0.016*1      |                |      | 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   | 23.3             | 24.8 | 23.6 | 25.0 | 25.3               | 23.7           | 25.2 | 24.0             | 25.5 | 25.7 |
| 3H  | 24.8             | 26.2 | 25.2 | 26.5 | 26.8               | 25.5           | 26.9 | 25.8             | 27.1 | 27.4 |
| 4H  | 25.4             | 26.8 | 25.8 | 27.0 | 27.3               | 26.3           | 27.6 | 26.6             | 27.9 | 28.2 |
| 6H  | 25.8             | 27.1 | 26.2 | 27.4 | 27.7               | 26.9           | 28.1 | 27.3             | 28.4 | 28.8 |
| 8H  | 25.9             | 27.1 | 26.3 | 27.5 | 27.8               | 27.1           | 28.3 | 27.5             | 28.7 | 29.0 |
| 12H   | 26.0             | 27.1 | 26.4 | 27.5 | 27.8               | 27.3           | 28.5 | 27.7             | 28.8 | 29.2 |
| 4H 2H   | 24.0             | 25.3 | 24.4 | 25.6 | 25.9               | 24.3           | 25.7 | 24.7             | 25.9 | 26.2 |
| 3H  | 25.7             | 26.9 | 26.1 | 27.2 | 27.6               | 26.3           | 27.4 | 26.7             | 27.8 | 28.1 |
| 4H  | 26.5             | 27.5 | 26.9 | 27.9 | 28.3               | 27.2           | 28.3 | 27.6             | 28.6 | 29.0 |
| 6H  | 27.0             | 27.9 | 27.4 | 28.3 | 28.7               | 28.0           | 28.9 | 28.4             | 29.3 | 29.7 |
| 8H  | 27.2             | 28.0 | 27.6 | 28.4 | 28.9               | 28.3           | 29.2 | 28.7             | 29.6 | 30.0 |
| 12H   | 27.2             | 28.0 | 27.7 | 28.5 | 28.9               | 28.6           | 29.4 | 29.0             | 29.8 | 30.2 |
| 8H 4H   | 26.8             | 27.7 | 27.3 | 28.1 | 28.5               | 27.5           | 28.3 | 27.9             | 28.7 | 29.2 |
| 6H  | 27.5             | 28.2 | 28.0 | 28.7 | 29.2               | 28.4           | 29.1 | 28.9             | 29.6 | 30.1 |
| 8H  | 27.8             | 28.4 | 28.3 | 28.9 | 29.4               | 28.9           | 29.5 | 29.3             | 30.0 | 30.4 |
| 12H   | 27.9             | 28.5 | 28.4 | 29.0 | 29.5               | 29.2           | 29.8 | 29.7             | 30.3 | 30.8 |
| 12H 4H  | 26.9             | 27.7 | 27.3 | 28.1 | 28.5               | 27.5           | 28.3 | 27.9             | 28.7 | 29.1 |
| 6H  | 27.6             | 28.3 | 28.1 | 28.7 | 29.2               | 28.5           | 29.1 | 29.0             | 29.6 | 30.1 |
| 8H  | 27.9             | 28.5 | 28.4 | 29.0 | 29.5               | 29.0           | 29.5 | 29.5             | 30.0 | 30.5 |
| Variations with the observer position at spacings(CIE Pub.117):                   |                  |      |      |      |                    |                |      |                  |      |      |
| S = 1.0H  | + 0.1 / - 0.2    |      |      |      |                    | + 0.1 / - 0.2  |      |                  |      |      |
| 1.5H  | + 0.2 / - 0.3    |      |      |      |                    | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H  | + 0.2 / - 0.4    |      |      |      |                    | + 0.1 / - 0.3  |      |                  |      |      |

CIE Pub.117, 486.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)  
Area: 0.016 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |

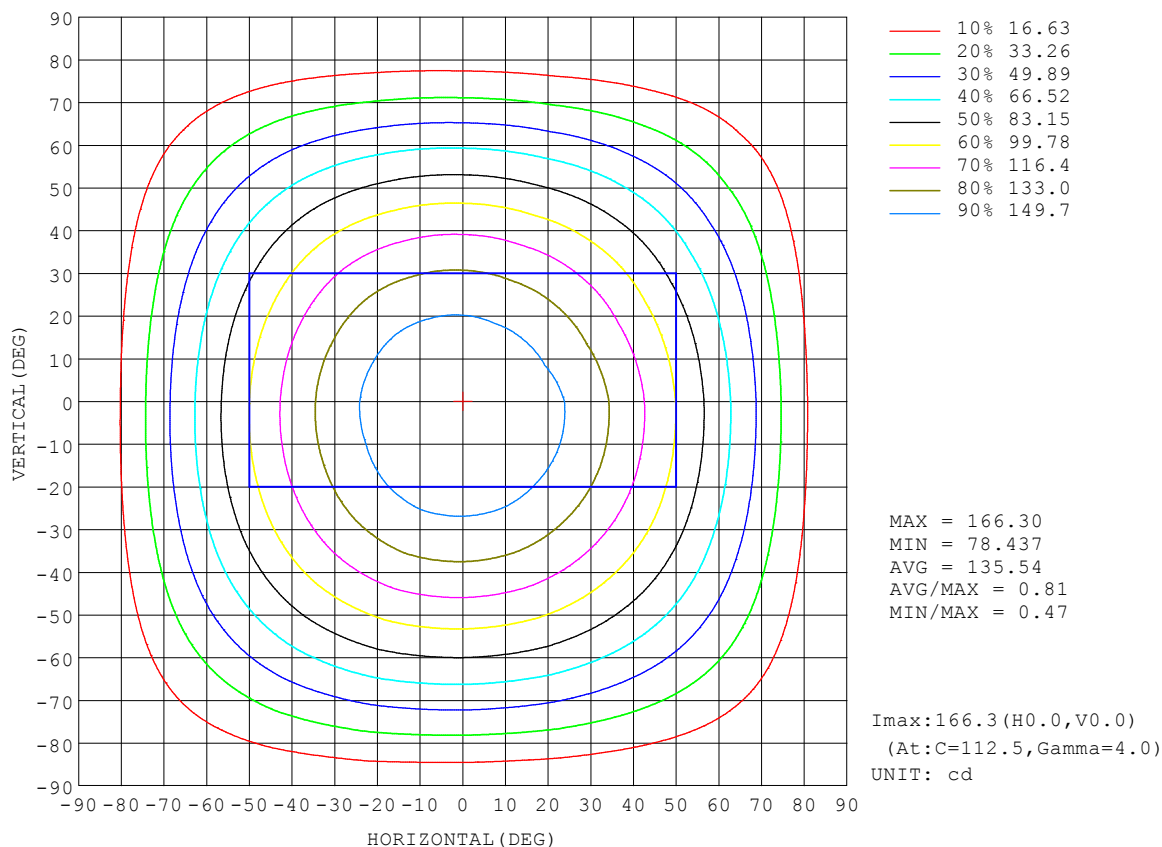
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57   | 45  | 38        | 56  | 45  | 38  | 55  | 44            | 38  | 31     |
| 0.80                             | 67   | 55  | 48        | 66  | 55  | 47  | 64  | 54            | 47  | 40     |
| 1.00                             | 75   | 64  | 56        | 74  | 63  | 56  | 71  | 64            | 56  | 48     |
| 1.25                             | 82   | 72  | 64        | 81  | 71  | 64  | 78  | 69            | 63  | 55     |
| 1.50                             | 87   | 77  | 70        | 85  | 76  | 70  | 82  | 74            | 68  | 60     |
| 2.00                             | 94   | 85  | 79        | 92  | 84  | 78  | 88  | 82            | 76  | 68     |
| 2.50                             | 98   | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 72     |
| 3.00                             | 101  | 94  | 89        | 99  | 93  | 88  | 95  | 90            | 85  | 76     |
| 4.00                             | 106  | 100 | 95        | 103 | 98  | 93  | 98  | 94            | 91  | 81     |
| 5.00                             | 108  | 103 | 99        | 105 | 101 | 97  | 101 | 97            | 94  | 84     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: YSL  
Test Date: 2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |



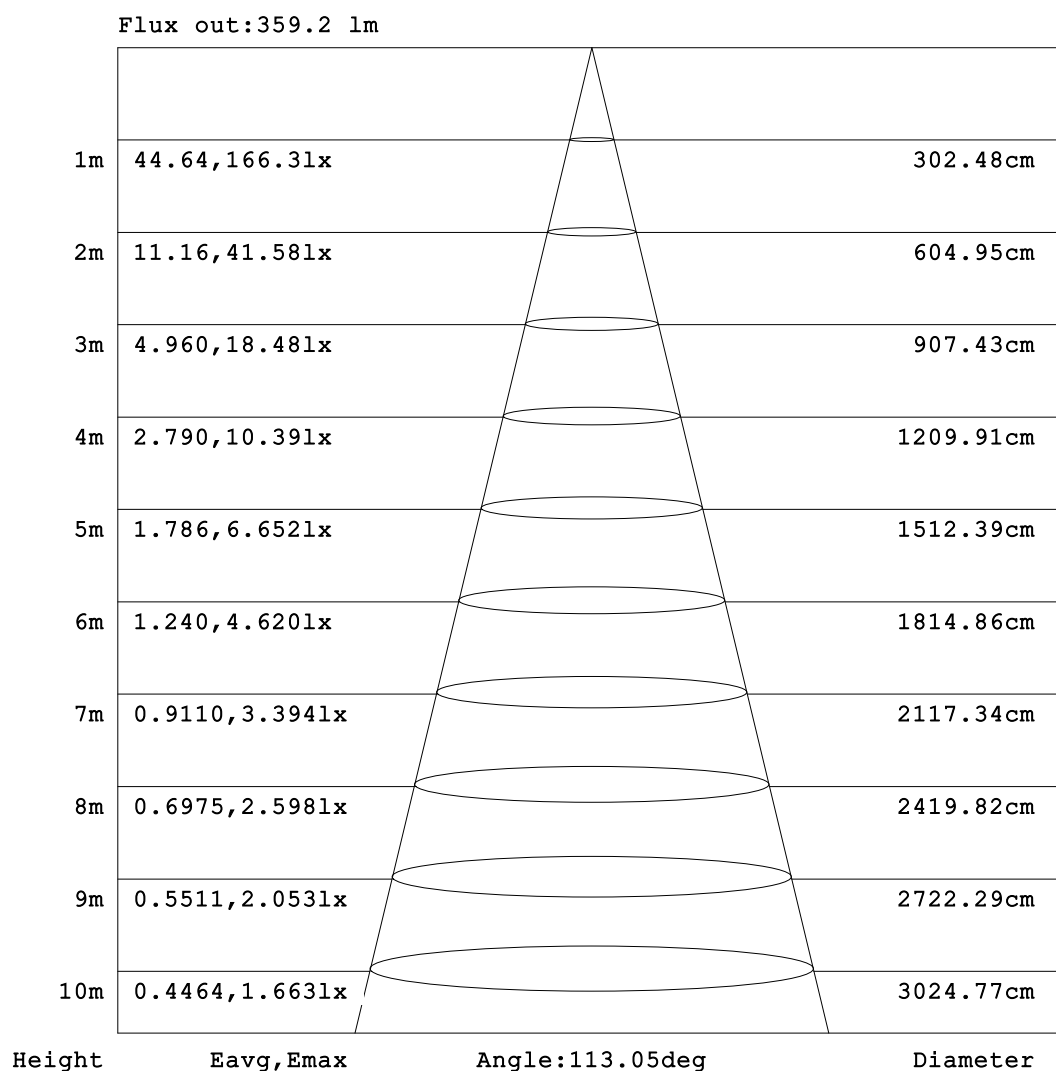
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YSL  
 Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity:65.0%  
 Test Distance:5.749m [K=1.0000]  
 Remarks:



### AAI Figure

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |



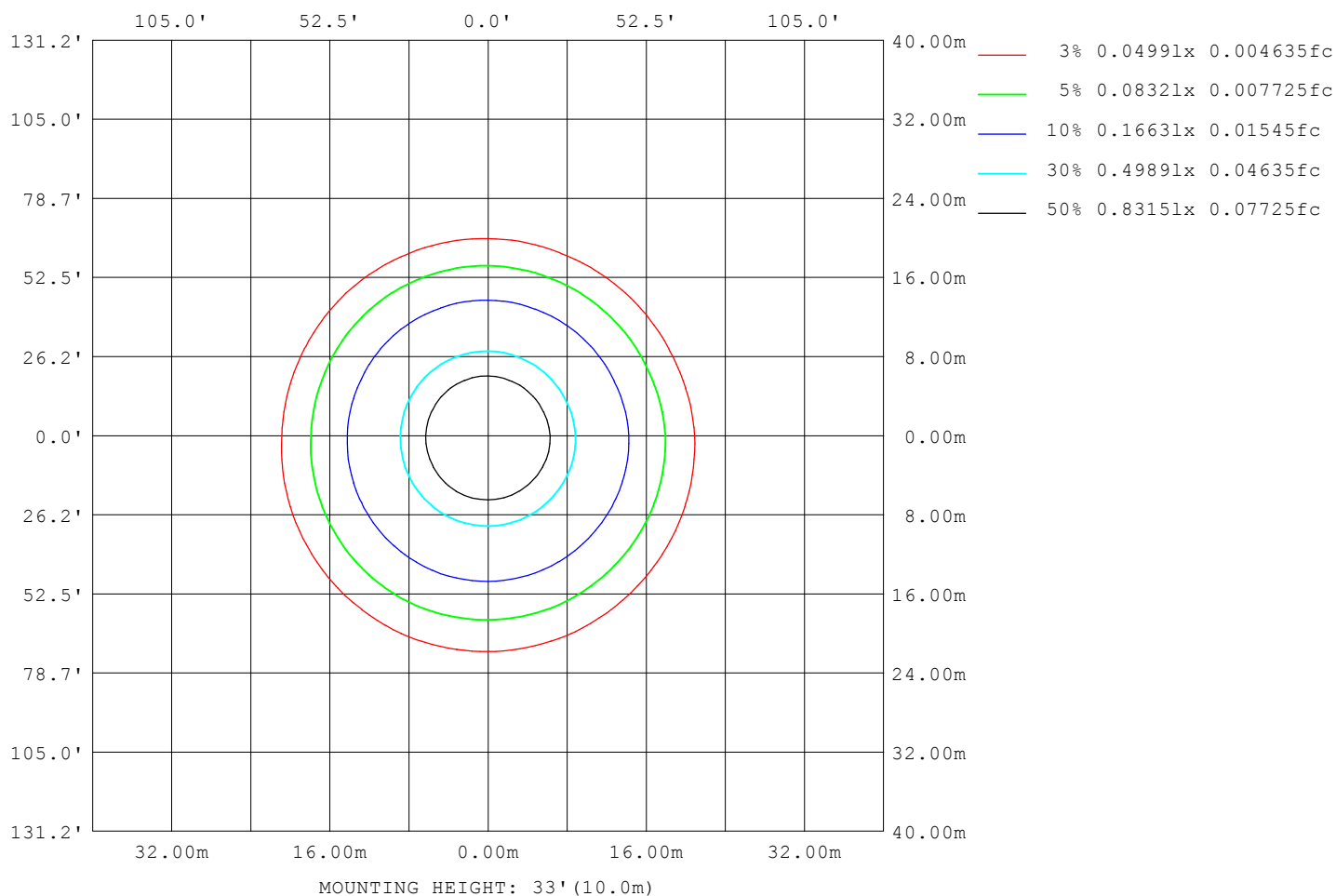
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### LED Avg.L Report

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |                    |                  |
| NAME: NS-T1615-W40-10   | TYPE:              | WEIGHT:          |
| SPEC.:  | DIM.: 1000*16*15MM | SERIAL No.:      |
| MFR.:   | SUR.: 0.016*1      | Shielding Angle: |

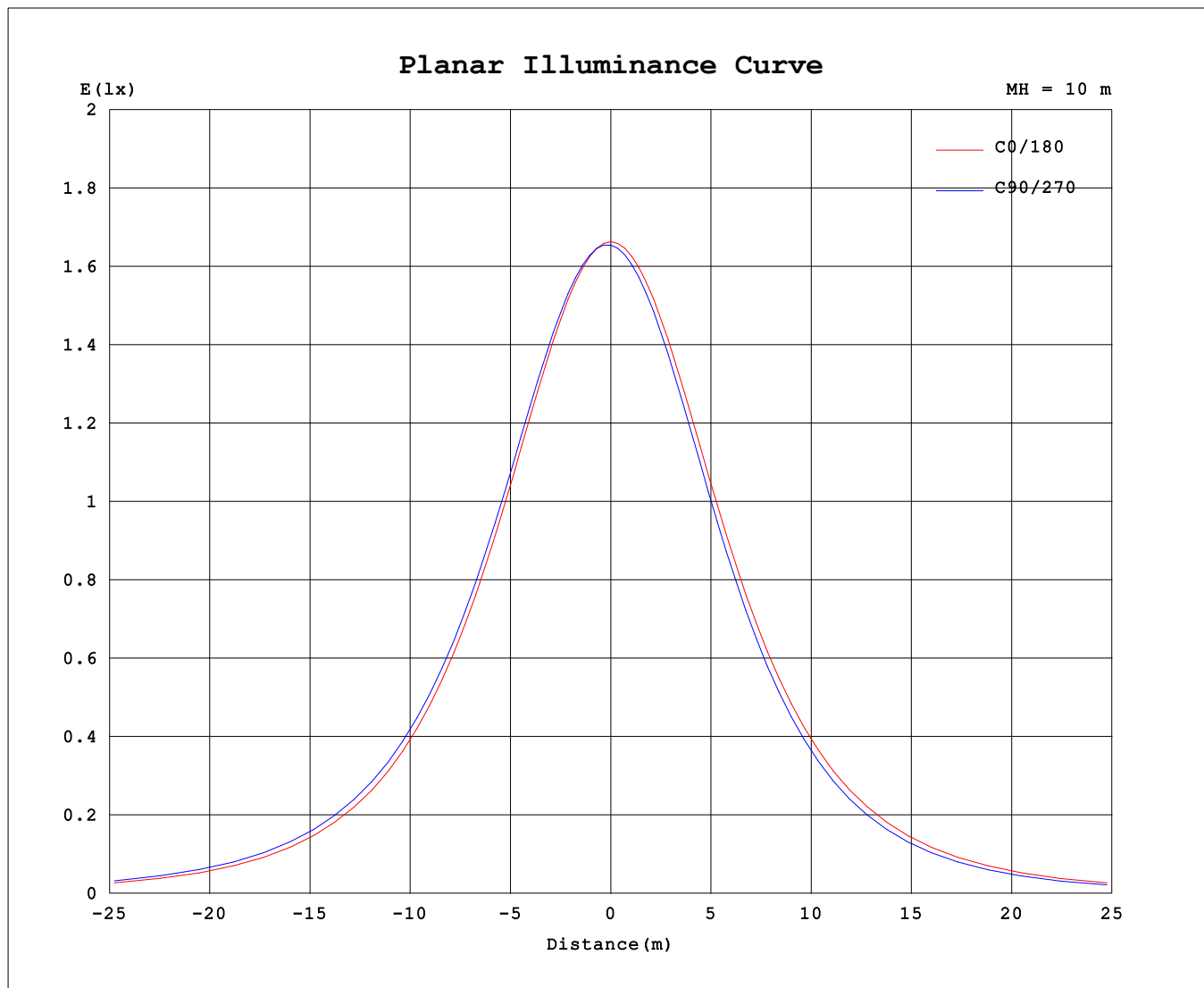
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 8859  |
| L_0~180 (75) av  | 7596  |
| L_0~180 (85) av  | 4735  |
| L_90~270 (65) av | 8917  |
| L_90~270 (75) av | 7826  |
| L_90~270 (85) av | 6786  |
| L_45 (65) av     | 8900  |
| L_45 (75) av     | 7736  |
| L_45 (85) av     | 5974  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YSL  
Test Date:2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YSL  
 Test Date: 2021-07-07

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|   |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |                  |  |  |
|---|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|------------------|--|--|
| Test:U:23.998V I:0.4187A P:10.048W PF:1.0000 Freq:0Hz<br>Lamp Flux:4.05254x120 lm |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |                  |  |  |
| NAME: NS-T1615-W40-10   |  |  |  |  |  |  |  |  | TYPE:              |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:  |  |  |  |  |  |  |  |  | DIM.: 1000*16*15MM |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.:   |  |  |  |  |  |  |  |  | SUR.: 0.016*1      |  |  |  |  |  | Shielding Angle: |  |  |

Table--1

UNIT: cd

| C (DEG)<br>□ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                  | 165  | 165  | 165  | 165  | 165  | 165   | 165  | 165   | 165  | 165   | 165  | 165   | 165  | 165   | 165  | 165   |  |  |  |
| 5                  | 165  | 165  | 165  | 166  | 166  | 166   | 166  | 165   | 165  | 165   | 165  | 164   | 164  | 164   | 164  | 165   |  |  |  |
| 10                 | 162  | 163  | 164  | 164  | 164  | 165   | 164  | 164   | 163  | 162   | 162  | 161   | 160  | 160   | 161  | 161   |  |  |  |
| 15                 | 160  | 161  | 161  | 162  | 162  | 163   | 162  | 161   | 160  | 159   | 158  | 157   | 157  | 157   | 157  | 158   |  |  |  |
| 20                 | 154  | 155  | 156  | 157  | 158  | 158   | 157  | 156   | 154  | 153   | 152  | 151   | 150  | 150   | 150  | 152   |  |  |  |
| 25                 | 149  | 150  | 151  | 153  | 153  | 154   | 153  | 151   | 149  | 148   | 147  | 145   | 144  | 144   | 145  | 146   |  |  |  |
| 30                 | 140  | 142  | 143  | 145  | 145  | 146   | 145  | 143   | 140  | 138   | 137  | 135   | 134  | 134   | 135  | 137   |  |  |  |
| 35                 | 133  | 135  | 136  | 138  | 139  | 140   | 138  | 136   | 133  | 131   | 130  | 128   | 127  | 126   | 128  | 130   |  |  |  |
| 40                 | 121  | 124  | 125  | 128  | 128  | 129   | 128  | 125   | 122  | 119   | 118  | 116   | 114  | 114   | 115  | 118   |  |  |  |
| 45                 | 113  | 115  | 117  | 120  | 120  | 121   | 120  | 117   | 113  | 111   | 109  | 107   | 105  | 105   | 106  | 109   |  |  |  |
| 50                 | 98.9 | 102  | 104  | 106  | 108  | 108   | 106  | 103   | 99.2 | 96.6  | 94.7 | 92.2  | 90.9 | 90.3  | 92.0 | 94.6  |  |  |  |
| 55                 | 89.1 | 92.1 | 94.2 | 97.0 | 98.1 | 98.7  | 96.9 | 93.8  | 89.3 | 86.5  | 84.6 | 82.0  | 80.7 | 80.0  | 81.8 | 84.6  |  |  |  |
| 60                 | 73.6 | 76.7 | 79.1 | 81.9 | 83.2 | 83.8  | 81.8 | 78.5  | 73.6 | 70.7  | 68.6 | 66.0  | 64.5 | 63.9  | 65.7 | 68.7  |  |  |  |
| 65                 | 62.8 | 66.0 | 68.5 | 71.4 | 72.8 | 73.2  | 71.2 | 67.7  | 62.6 | 59.6  | 57.5 | 54.9  | 53.4 | 52.8  | 54.6 | 57.7  |  |  |  |
| 70                 | 46.0 | 49.2 | 51.9 | 54.9 | 56.3 | 56.7  | 54.6 | 50.8  | 45.4 | 42.4  | 40.4 | 37.7  | 36.3 | 35.7  | 37.6 | 40.7  |  |  |  |
| 75                 | 34.7 | 37.9 | 40.6 | 43.6 | 45.1 | 45.5  | 43.2 | 39.2  | 33.9 | 31.0  | 29.0 | 26.5  | 25.2 | 24.6  | 26.4 | 29.4  |  |  |  |
| 80                 | 18.5 | 21.3 | 24.0 | 26.9 | 28.3 | 28.6  | 26.3 | 22.1  | 17.1 | 14.8  | 13.4 | 11.6  | 10.6 | 10.2  | 11.5 | 13.7  |  |  |  |
| 85                 | 9.29 | 11.5 | 14.0 | 16.7 | 18.0 | 18.2  | 16.0 | 12.2  | 7.75 | 6.35  | 5.64 | 4.78  | 4.28 | 4.10  | 4.63 | 5.81  |  |  |  |
| 90                 | 1.48 | 2.62 | 3.92 | 5.45 | 6.19 | 6.23  | 4.68 | 2.55  | 0.63 | 1.19  | 1.34 | 1.30  | 1.19 | 1.35  | 1.58 | 1.72  |  |  |  |
| 95                 | 0.26 | 1.82 | 2.08 | 2.45 | 2.60 | 2.64  | 2.03 | 1.34  | 0.28 | 1.01  | 1.15 | 1.13  | 1.05 | 1.22  | 1.44 | 1.55  |  |  |  |
| 100                | 0.42 | 1.67 | 1.81 | 1.79 | 1.67 | 1.74  | 1.57 | 1.15  | 0.43 | 0.97  | 1.09 | 1.12  | 1.06 | 1.22  | 1.41 | 1.39  |  |  |  |
| 105                | 0.54 | 1.64 | 1.76 | 1.72 | 1.58 | 1.65  | 1.44 | 1.16  | 0.47 | 0.98  | 1.08 | 1.15  | 1.10 | 1.25  | 1.41 | 1.27  |  |  |  |
| 110                | 0.74 | 1.59 | 1.74 | 1.69 | 1.55 | 1.61  | 1.49 | 1.17  | 0.65 | 0.96  | 1.18 | 1.21  | 1.19 | 1.31  | 1.41 | 1.15  |  |  |  |
| 115                | 0.87 | 1.57 | 1.73 | 1.69 | 1.56 | 1.61  | 1.49 | 1.22  | 0.76 | 0.94  | 1.23 | 1.26  | 1.24 | 1.35  | 1.42 | 1.14  |  |  |  |
| 120                | 1.06 | 1.58 | 1.73 | 1.69 | 1.58 | 1.61  | 1.40 | 1.33  | 0.99 | 1.00  | 1.20 | 1.34  | 1.34 | 1.42  | 1.44 | 1.18  |  |  |  |
| 125                | 1.18 | 1.61 | 1.74 | 1.70 | 1.60 | 1.63  | 1.43 | 1.40  | 1.10 | 1.03  | 1.25 | 1.39  | 1.39 | 1.46  | 1.46 | 1.20  |  |  |  |
| 130                | 1.36 | 1.67 | 1.77 | 1.72 | 1.64 | 1.60  | 1.45 | 1.51  | 1.23 | 1.22  | 1.31 | 1.37  | 1.48 | 1.53  | 1.52 | 1.35  |  |  |  |
| 135                | 1.46 | 1.73 | 1.81 | 1.75 | 1.67 | 1.56  | 1.47 | 1.56  | 1.32 | 1.30  | 1.37 | 1.40  | 1.53 | 1.58  | 1.56 | 1.43  |  |  |  |
| 140                | 1.59 | 1.80 | 1.87 | 1.80 | 1.74 | 1.64  | 1.58 | 1.50  | 1.45 | 1.42  | 1.47 | 1.50  | 1.60 | 1.65  | 1.64 | 1.55  |  |  |  |
| 145                | 1.68 | 1.85 | 1.91 | 1.85 | 1.80 | 1.71  | 1.67 | 1.58  | 1.54 | 1.51  | 1.53 | 1.57  | 1.63 | 1.71  | 1.70 | 1.62  |  |  |  |
| 150                | 1.80 | 1.93 | 1.96 | 1.92 | 1.89 | 1.80  | 1.74 | 1.73  | 1.68 | 1.63  | 1.64 | 1.67  | 1.68 | 1.78  | 1.79 | 1.74  |  |  |  |
| 155                | 1.88 | 1.98 | 1.98 | 1.95 | 1.95 | 1.85  | 1.77 | 1.83  | 1.78 | 1.72  | 1.71 | 1.73  | 1.75 | 1.83  | 1.85 | 1.82  |  |  |  |
| 160                | 1.99 | 2.05 | 2.04 | 2.01 | 2.01 | 1.90  | 1.94 | 1.96  | 1.91 | 1.86  | 1.84 | 1.84  | 1.86 | 1.90  | 1.94 | 1.94  |  |  |  |
| 165                | 2.07 | 2.12 | 2.09 | 2.05 | 2.08 | 1.96  | 2.01 | 2.04  | 2.01 | 1.95  | 1.92 | 1.91  | 1.94 | 1.96  | 2.01 | 2.03  |  |  |  |
| 170                | 2.19 | 2.21 | 2.19 | 2.16 | 2.12 | 2.09  | 2.13 | 2.15  | 2.14 | 2.10  | 2.07 | 2.05  | 2.06 | 2.07  | 2.13 | 2.16  |  |  |  |
| 175                | 2.27 | 2.28 | 2.26 | 2.23 | 2.20 | 2.21  | 2.22 | 2.24  | 2.23 | 2.19  | 2.16 | 2.15  | 2.15 | 2.15  | 2.20 | 2.25  |  |  |  |
| 180                | 2.33 | 2.32 | 2.30 | 2.29 | 2.29 | 2.28  | 2.32 | 2.35  | 2.34 | 2.32  | 2.30 | 2.28  | 2.29 | 2.28  | 2.32 | 2.35  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
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Operators:YSL  
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