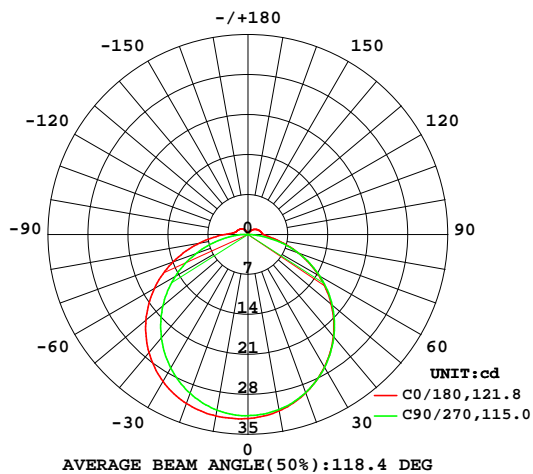


## LUMINAIRE PHOTOMETRIC TEST REPORT

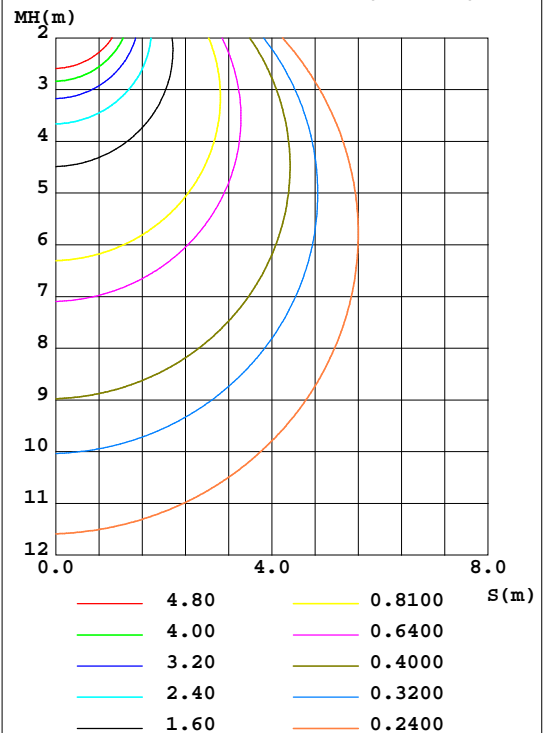
|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 12.39 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            | NMS1217 | I <sub>max</sub> (cd)            | 32.32  | S/MH(C0/180)      | 1.37     |
| NOMINAL POWER(W) | 8       | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.27     |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 105.29 | h UP,DN(C0-180)   | 2.5,44.4 |
| NOMINAL FLUX(lm) | 105.293 | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 2.8,50.4 |
| LAMPS INSIDE     | 1       | h up(%)                          | 5.2    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 24      | h down(%)                        | 94.8   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:COLORS  
 Test Date:2019-04-03

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

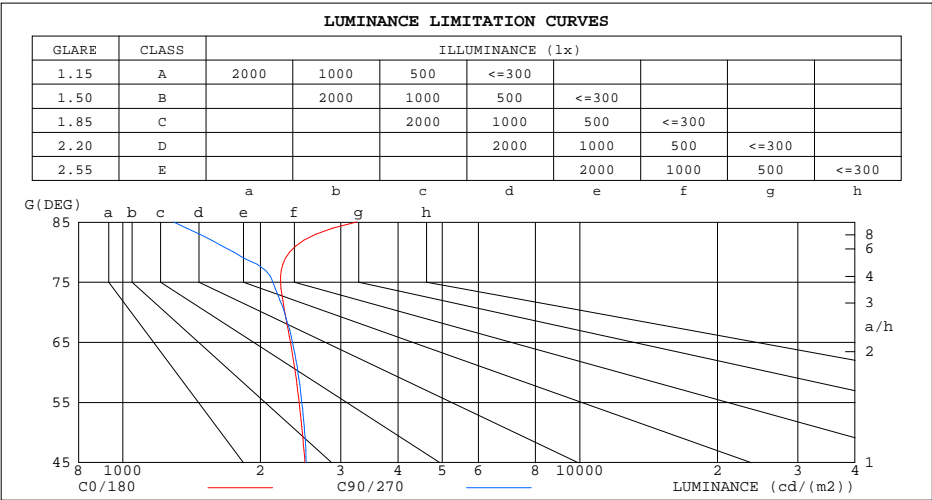
| g   | C0                    | C90    | C180   | C270   |  |  |  |  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10  | 31.37                 | 31.13  | 32.27  | 31.22  |  |  |  |  | 0~ 10   | 3.029   | 3.029   | 2.88,2.88 |
| 20  | 29.54                 | 29.47  | 31.51  | 29.62  |  |  |  |  | 10~ 20  | 8.723   | 11.75   | 11.2,11.2 |
| 30  | 26.81                 | 26.85  | 29.74  | 27.04  |  |  |  |  | 20~ 30  | 13.34   | 25.09   | 23.8,23.8 |
| 40  | 23.27                 | 23.39  | 26.99  | 23.61  |  |  |  |  | 30~ 40  | 16.31   | 41.40   | 39.3,39.3 |
| 50  | 19.05                 | 19.29  | 23.34  | 19.46  |  |  |  |  | 40~ 50  | 17.27   | 58.67   | 55.7,55.7 |
| 60  | 14.31                 | 14.51  | 18.92  | 14.72  |  |  |  |  | 50~ 60  | 16.10   | 74.77   | 71,71     |
| 70  | 9.283                 | 9.265  | 13.89  | 9.555  |  |  |  |  | 60~ 70  | 12.95   | 87.72   | 83.3,83.3 |
| 80  | 4.830                 | 3.649  | 8.586  | 4.384  |  |  |  |  | 70~ 80  | 8.354   | 96.08   | 91.2,91.2 |
| 90  | 2.715                 | 0.1335 | 4.085  | 0.8718 |  |  |  |  | 80~ 90  | 3.704   | 99.78   | 94.8,94.8 |
| 100 | 2.382                 | 0.0063 | 2.341  | 0.0691 |  |  |  |  | 90~100  | 1.593   | 101.4   | 96.3,96.3 |
| 110 | 2.125                 | 0.0157 | 2.015  | 0.0251 |  |  |  |  | 100~110 | 1.179   | 102.6   | 97.4,97.4 |
| 120 | 1.818                 | 0.0407 | 1.799  | 0.0344 |  |  |  |  | 110~120 | 0.9801  | 103.5   | 98.3,98.3 |
| 130 | 1.451                 | 0.0627 | 1.545  | 0.0407 |  |  |  |  | 120~130 | 0.7673  | 104.3   | 99.1,99.1 |
| 140 | 1.006                 | 0.0784 | 1.231  | 0.0627 |  |  |  |  | 130~140 | 0.5339  | 104.8   | 99.6,99.6 |
| 150 | 0.3578                | 0.1065 | 0.8899 | 0.0909 |  |  |  |  | 140~150 | 0.3089  | 105.1   | 99.9,99.9 |
| 160 | 0.1248                | 0.1145 | 0.1848 | 0.0909 |  |  |  |  | 150~160 | 0.1032  | 105.2   | 100,100   |
| 170 | 0.1233                | 0.1135 | 0.1375 | 0.1003 |  |  |  |  | 160~170 | 0.0348  | 105.3   | 100,100   |
| 180 | 0.1222                | 0.1128 | 0.1316 | 0.1065 |  |  |  |  | 170~180 | 0.0113  | 105.3   | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |  |  |  |  |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(180)            | C0/180 | C90/270 |
| 85                | 3243   | 1293    |
| 80                | 2318   | 1751    |
| 75                | 2216   | 2132    |
| 70                | 2262   | 2257    |
| 65                | 2328   | 2353    |
| 60                | 2385   | 2418    |
| 55                | 2431   | 2465    |
| 50                | 2470   | 2500    |
| 45                | 2504   | 2522    |

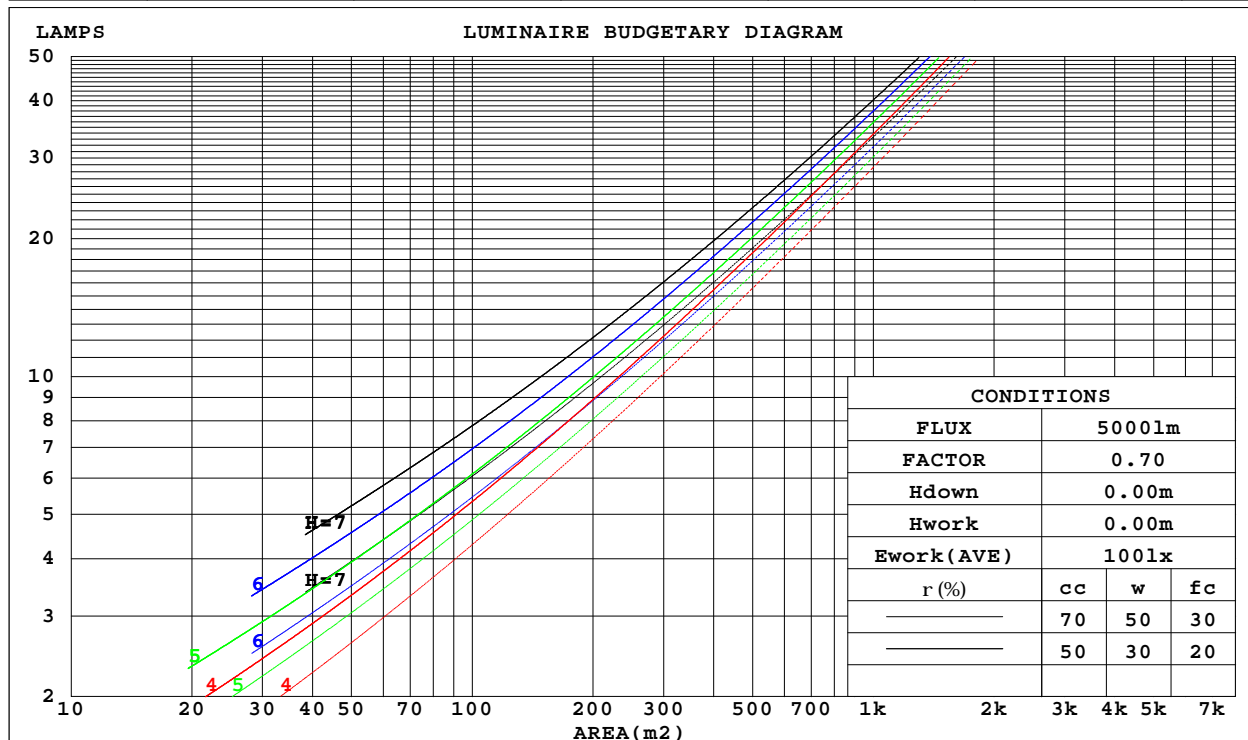
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | 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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | 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  | .334                  | .190 | .060 | .325 | .186 | .059 | .309                            | .177 | .057 | .294 | .169 | .054 | .280 | .162 | .052 |   |
| 2.0  | .306                  | .168 | .051 | .298 | .164 | .051 | .284                            | .158 | .049 | .270 | .152 | .047 | .258 | .146 | .046 |   |
| 3.0  | .279                  | .149 | .045 | .272 | .146 | .044 | .259                            | .141 | .043 | .247 | .136 | .042 | .236 | .131 | .040 |   |
| 4.0  | .256                  | .133 | .039 | .250 | .131 | .039 | .238                            | .126 | .038 | .227 | .122 | .037 | .217 | .118 | .036 |   |
| 5.0  | .235                  | .120 | .035 | .230 | .118 | .034 | .219                            | .114 | .034 | .209 | .110 | .033 | .200 | .107 | .032 |   |
| 6.0  | .217                  | .109 | .031 | .212 | .107 | .031 | .203                            | .104 | .030 | .194 | .101 | .030 | .186 | .098 | .029 |   |
| 7.0  | .201                  | .100 | .028 | .197 | .098 | .028 | .188                            | .095 | .027 | .181 | .093 | .027 | .173 | .090 | .026 |   |
| 8.0  | .188                  | .092 | .026 | .184 | .090 | .026 | .176                            | .088 | .025 | .169 | .085 | .025 | .162 | .083 | .024 |   |
| 9.0  | .176                  | .085 | .024 | .172 | .084 | .024 | .165                            | .082 | .023 | .158 | .079 | .023 | .152 | .077 | .022 |   |
| 10.0 | .165                  | .079 | .022 | .161 | .078 | .022 | .155                            | .076 | .021 | .149 | .074 | .021 | .143 | .072 | .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  | .230                  | .230 | .230 | .197                                       | .197 | .197 | .134 | .134 | .134 | .077 | .077 | .077 | .025 | .025 | .025 |   |
| 1.0  | .222                  | .196 | .173 | .190                                       | .168 | .149 | .130 | .116 | .103 | .075 | .067 | .060 | .024 | .022 | .019 |   |
| 2.0  | .215                  | .172 | .137 | .184                                       | .148 | .118 | .126 | .103 | .082 | .073 | .060 | .048 | .023 | .019 | .016 |   |
| 3.0  | .207                  | .155 | .114 | .177                                       | .134 | .099 | .122 | .093 | .069 | .070 | .054 | .041 | .023 | .018 | .013 |   |
| 4.0  | .199                  | .142 | .098 | .171                                       | .123 | .085 | .118 | .086 | .060 | .068 | .050 | .036 | .022 | .016 | .012 |   |
| 5.0  | .192                  | .132 | .087 | .165                                       | .114 | .076 | .113 | .080 | .054 | .066 | .047 | .032 | .021 | .015 | .011 |   |
| 6.0  | .185                  | .124 | .080 | .159                                       | .107 | .069 | .109 | .075 | .049 | .064 | .044 | .029 | .020 | .014 | .010 |   |
| 7.0  | .178                  | .117 | .074 | .153                                       | .101 | .065 | .106 | .071 | .046 | .061 | .042 | .027 | .020 | .014 | .009 |   |
| 8.0  | .171                  | .111 | .070 | .147                                       | .096 | .061 | .102 | .068 | .043 | .059 | .040 | .026 | .019 | .013 | .009 |   |
| 9.0  | .165                  | .106 | .066 | .142                                       | .092 | .058 | .098 | .065 | .041 | .057 | .038 | .025 | .019 | .013 | .008 |   |
| 10.0 | .159                  | .102 | .064 | .137                                       | .088 | .056 | .095 | .062 | .040 | .056 | .037 | .024 | .018 | .012 | .008 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|   |               |                  |      |      |                  |               |                |                  |      |      |      |
|---|---------------|------------------|------|------|------------------|---------------|----------------|------------------|------|------|------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |               |                  |      |      |                  |               |                |                  |      |      |      |
| NAME: NMS1217   |               |                  |      |      | TYPE:            |               |                | WEIGHT:          |      |      |      |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   |               |                  |      |      | DIM.: 1000*12*17 |               |                | SERIAL No.:      |      |      |      |
| MFR.: Colors  |               |                  |      |      | SUR.:1000*12*17  |               |                | 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          | 24.7             | 23.6 | 25.0 | 25.4             | 23.3          | 24.8           | 23.6             | 25.1 | 25.4 |      |
|   | 3H            | 24.9             | 26.2 | 25.2 | 26.6             | 26.9          | 24.9           | 26.3             | 25.3 | 26.6 | 26.9 |
|   | 4H            | 25.5             | 26.8 | 25.9 | 27.2             | 27.6          | 25.5           | 26.8             | 25.9 | 27.2 | 27.6 |
|   | 6H            | 26.1             | 27.4 | 26.5 | 27.7             | 28.1          | 26.0           | 27.2             | 26.4 | 27.6 | 28.0 |
|   | 8H            | 26.4             | 27.6 | 26.8 | 28.0             | 28.4          | 26.1           | 27.3             | 26.5 | 27.6 | 28.0 |
|   | 12H           | 26.7             | 27.8 | 27.1 | 28.2             | 28.7          | 26.1           | 27.2             | 26.5 | 27.6 | 28.1 |
| 4H  | 2H            | 23.9             | 25.2 | 24.3 | 25.5             | 25.9          | 23.9           | 25.2             | 24.3 | 25.6 | 25.9 |
|   | 3H            | 25.7             | 26.8 | 26.1 | 27.2             | 27.6          | 25.7           | 26.8             | 26.1 | 27.2 | 27.6 |
|   | 4H            | 26.5             | 27.5 | 26.9 | 27.9             | 28.4          | 26.5           | 27.5             | 26.9 | 27.9 | 28.4 |
|   | 6H            | 27.2             | 28.1 | 27.7 | 28.6             | 29.1          | 27.0           | 27.9             | 27.5 | 28.4 | 28.9 |
|   | 8H            | 27.5             | 28.4 | 28.0 | 28.9             | 29.4          | 27.2           | 28.0             | 27.7 | 28.5 | 29.0 |
|   | 12H           | 27.9             | 28.7 | 28.4 | 29.2             | 29.7          | 27.2           | 28.0             | 27.8 | 28.5 | 29.0 |
| 8H  | 4H            | 26.8             | 27.6 | 27.3 | 28.1             | 28.6          | 26.7           | 27.6             | 27.2 | 28.1 | 28.6 |
|   | 6H            | 27.7             | 28.4 | 28.2 | 28.9             | 29.4          | 27.4           | 28.2             | 28.0 | 28.7 | 29.2 |
|   | 8H            | 28.1             | 28.8 | 28.7 | 29.3             | 29.8          | 27.7           | 28.3             | 28.2 | 28.9 | 29.4 |
|   | 12H           | 28.6             | 29.2 | 29.2 | 29.7             | 30.3          | 27.9           | 28.4             | 28.4 | 29.0 | 29.5 |
| 12H   | 4H            | 26.8             | 27.6 | 27.3 | 28.0             | 28.6          | 26.8           | 27.6             | 27.3 | 28.0 | 28.6 |
|   | 6H            | 27.7             | 28.4 | 28.3 | 28.9             | 29.4          | 27.5           | 28.2             | 28.1 | 28.7 | 29.3 |
|   | 8H            | 28.2             | 28.8 | 28.8 | 29.3             | 29.9          | 27.8           | 28.4             | 28.4 | 28.9 | 29.5 |
| 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, 105.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.8)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |

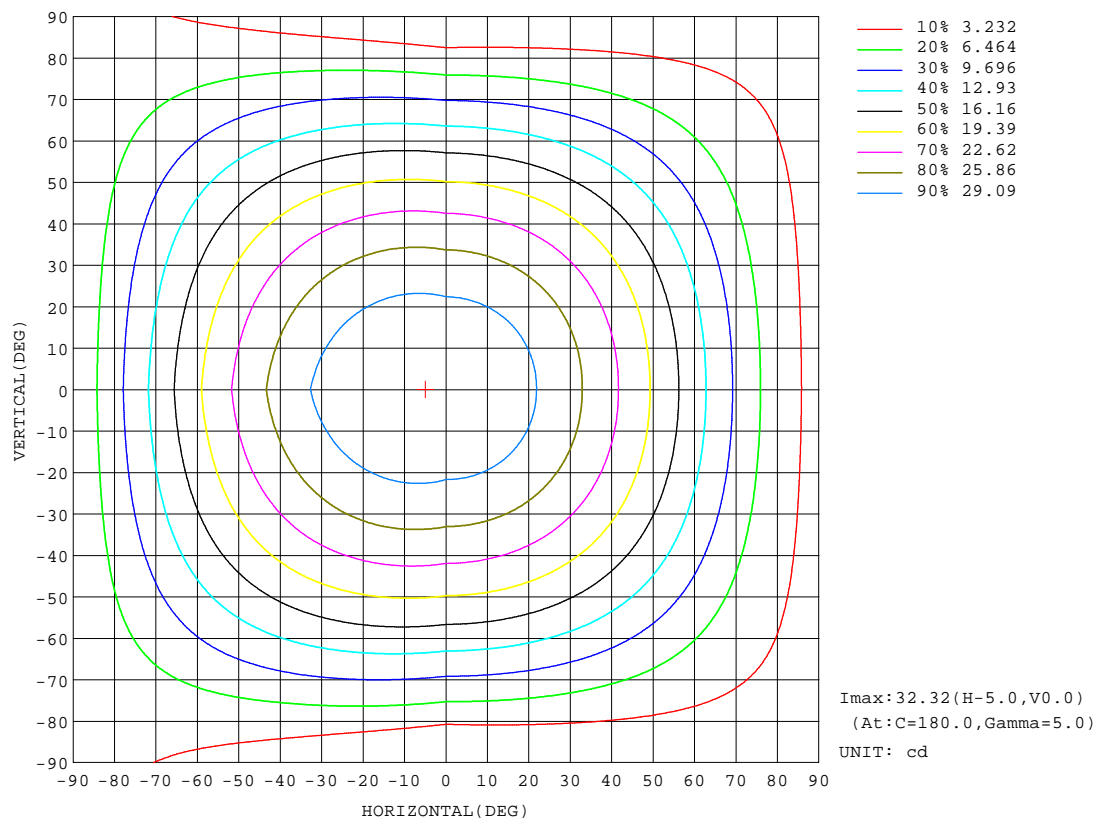
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 54  | 42  | 35        | 53  | 42  | 35  | 52  | 41            | 35  | 28     |
| 0.80                             | 64  | 52  | 44        | 63  | 51  | 44  | 61  | 50            | 44  | 36     |
| 1.00                             | 72  | 61  | 53        | 71  | 60  | 53  | 68  | 61            | 52  | 44     |
| 1.25                             | 79  | 68  | 61        | 78  | 67  | 60  | 75  | 66            | 59  | 51     |
| 1.50                             | 84  | 74  | 66        | 83  | 73  | 66  | 79  | 71            | 64  | 56     |
| 2.00                             | 92  | 82  | 75        | 89  | 81  | 74  | 85  | 78            | 72  | 63     |
| 2.50                             | 96  | 87  | 80        | 93  | 85  | 79  | 89  | 82            | 77  | 67     |
| 3.00                             | 99  | 92  | 85        | 97  | 90  | 84  | 92  | 86            | 81  | 71     |
| 4.00                             | 103   | 97  | 92        | 101 | 95  | 90  | 95  | 91            | 87  | 76     |
| 5.00                             | 106   | 101 | 96        | 103 | 98  | 94  | 98  | 94            | 90  | 79     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: COLORS  
Test Date: 2019-04-03

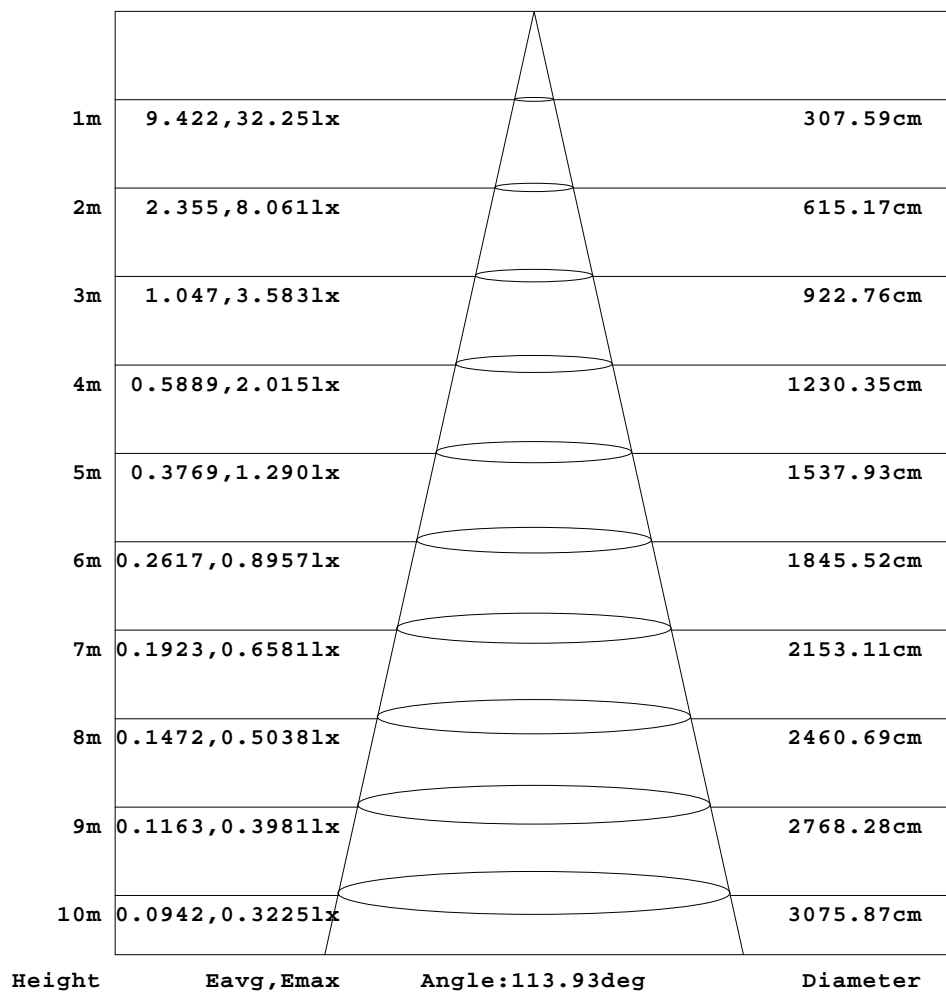
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:



### AAI Figure

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |

Flux out:70.19 lm



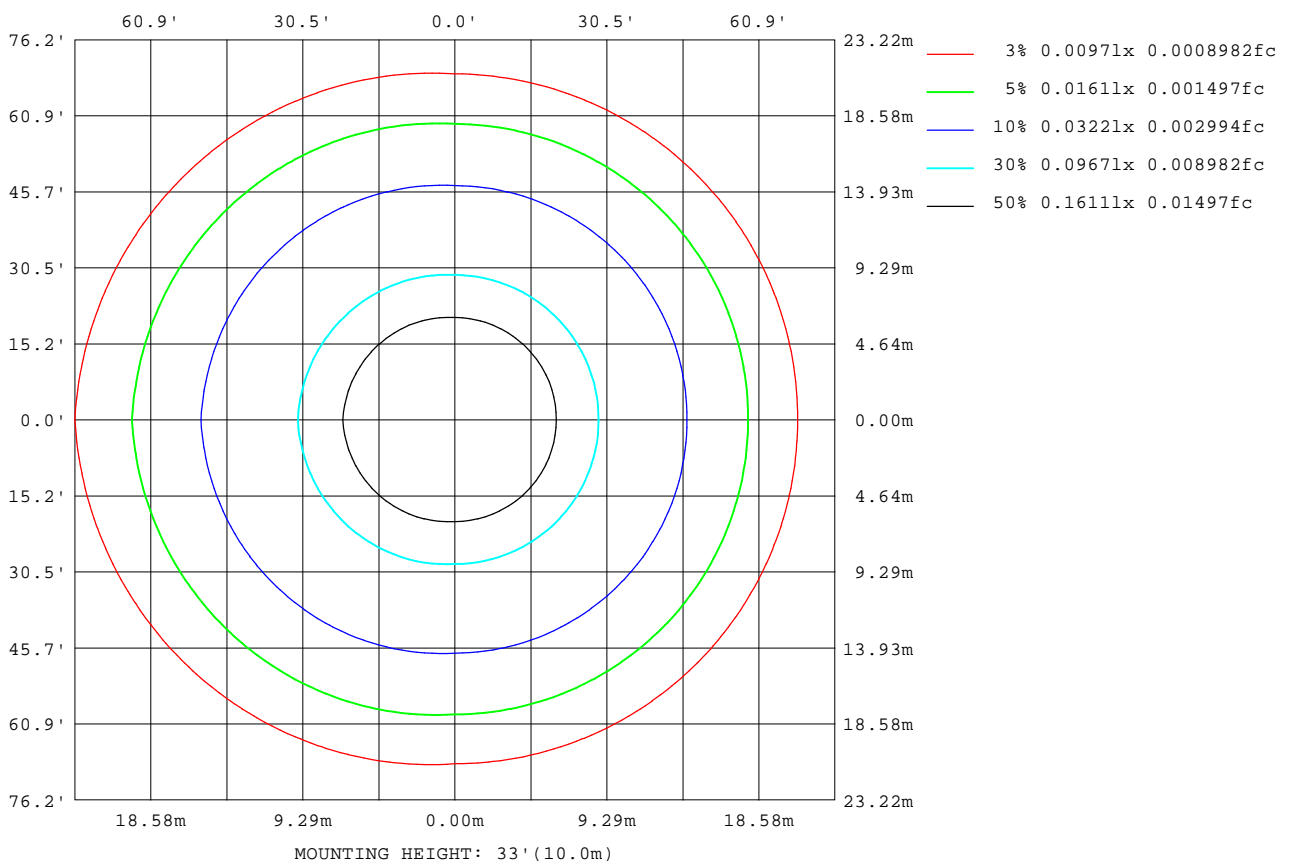
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: COLORS  
Test Date: 2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

### LED Avg.L Report

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |

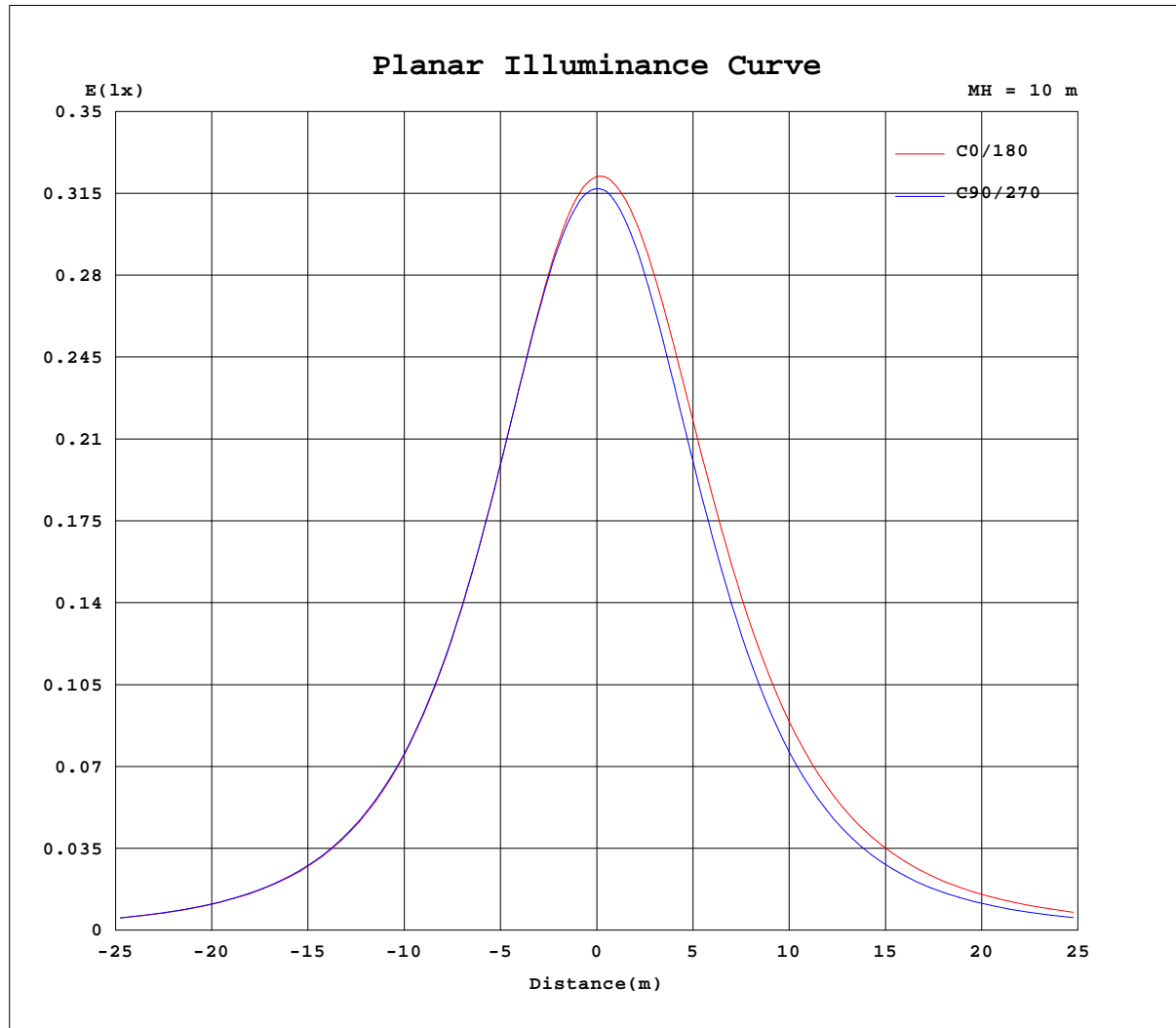
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 2787  |
| L_0~180(75)av  | 2917  |
| L_0~180(85)av  | 4540  |
| L_90~270(65)av | 2378  |
| L_90~270(75)av | 2178  |
| L_90~270(85)av | 1709  |
| L_45(65)av     | 2560  |
| L_45(75)av     | 2499  |
| L_45(85)av     | 2852  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: COLORS  
Test Date: 2019-04-03

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.3570A P:8.500W PF:0 Freq:0Hz Lamp Flux:105.293x1 lm |                  |                  |
| NAME: NMS1217   | TYPE:            | WEIGHT:          |
| SPEC.:NMS1217-OR24NSN050CC0100-PLus                                   | DIM.: 1000*12*17 | SERIAL No.:      |
| MFR.: Colors  | SUR.:1000*12*17  | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 32.2 | 31.7 | 32.2 | 31.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 31.9 | 31.6 | 32.3 | 31.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 31.4 | 31.1 | 32.3 | 31.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 30.6 | 30.4 | 32.0 | 30.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 29.5 | 29.5 | 31.5 | 29.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 28.3 | 28.3 | 30.8 | 28.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 26.8 | 26.8 | 29.7 | 27.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 25.1 | 25.2 | 28.5 | 25.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 23.3 | 23.4 | 27.0 | 23.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 21.2 | 21.4 | 25.3 | 21.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 19.1 | 19.3 | 23.3 | 19.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 16.7 | 17.0 | 21.2 | 17.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 14.3 | 14.5 | 18.9 | 14.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 11.8 | 11.9 | 16.5 | 12.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 9.28 | 9.26 | 13.9 | 9.56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 6.88 | 6.62 | 11.2 | 6.91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 4.83 | 3.65 | 8.59 | 4.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 3.39 | 1.35 | 6.10 | 2.22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 2.71 | 0.13 | 4.09 | 0.87 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 2.50 | 0.01 | 2.86 | 0.18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 2.38 | 0.01 | 2.34 | 0.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 2.26 | 0.01 | 2.14 | 0.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 2.12 | 0.02 | 2.01 | 0.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 1.98 | 0.03 | 1.91 | 0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 1.82 | 0.04 | 1.80 | 0.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 1.64 | 0.05 | 1.70 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 1.45 | 0.06 | 1.54 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 1.24 | 0.07 | 1.38 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 1.01 | 0.08 | 1.23 | 0.06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 0.73 | 0.09 | 1.05 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 0.36 | 0.11 | 0.89 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 0.15 | 0.11 | 0.43 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 0.12 | 0.11 | 0.18 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 0.12 | 0.11 | 0.15 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 0.12 | 0.11 | 0.14 | 0.10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 0.12 | 0.11 | 0.13 | 0.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 0.12 | 0.11 | 0.13 | 0.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2019-04-03

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks: