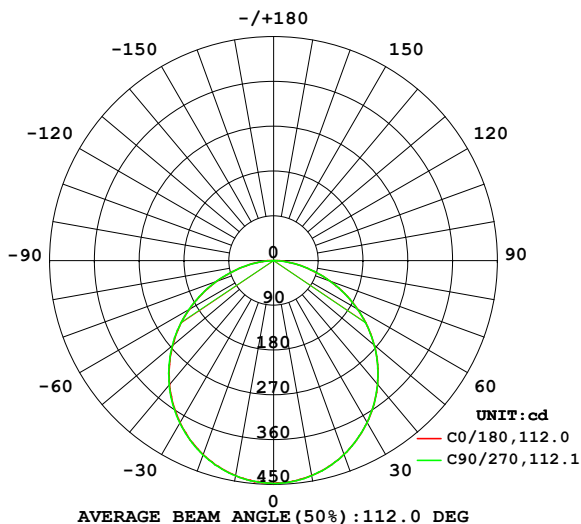


## LUMINAIRE PHOTOMETRIC TEST REPORT

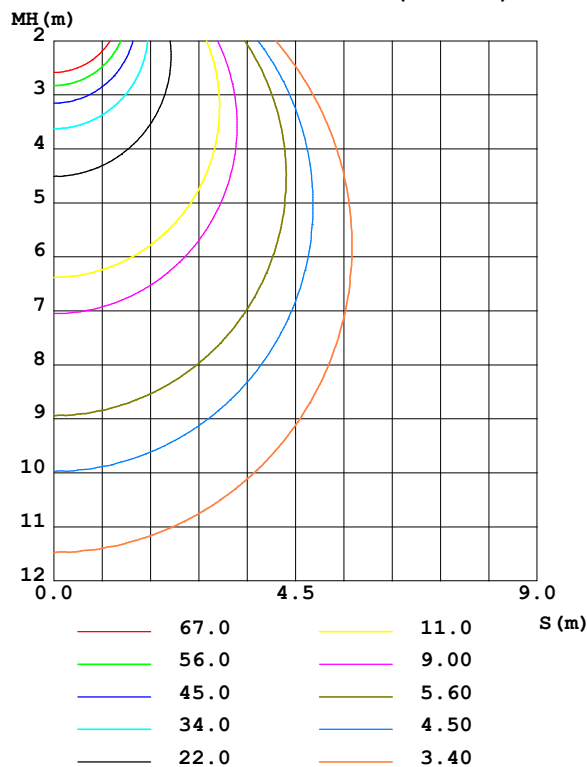
|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm    |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                        | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                              | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                         | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 62.28 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 448.2  | S/MH(C0/180)      | 1.25     |
| NOMINAL POWER(W) | 22      | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.25     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                   | 1272.7 | η UP,DN(C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 1272.69 | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1       | η up (%)                         | 0.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 120     | η down (%)                       | 100.0  | 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:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

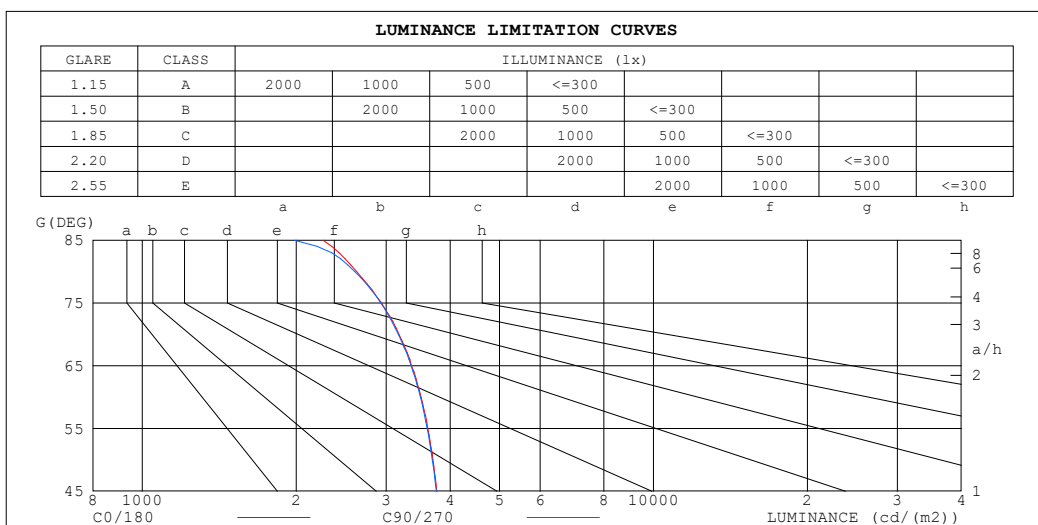
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 438.6                 | 439.9  | 438.9  | 438.3  | 439.1  | 439.0  | 439.3  | 438.4  | 0- 10    | 42.32       | 42.32        | 3.32,3.32  |
| 20       | 414.5                 | 415.5  | 414.2  | 413.4  | 414.6  | 414.8  | 415.4  | 414.4  | 10- 20   | 121.0       | 163.3        | 12.8,12.8  |
| 30       | 375.7                 | 377.0  | 375.7  | 375.1  | 376.2  | 376.3  | 377.0  | 376.1  | 20- 30   | 183.1       | 346.4        | 27.2,27.2  |
| 40       | 326.0                 | 326.8  | 325.1  | 324.2  | 325.3  | 326.0  | 326.7  | 325.9  | 30- 40   | 220.5       | 566.9        | 44.5,44.5  |
| 50       | 264.2                 | 266.3  | 263.9  | 263.5  | 264.6  | 264.7  | 266.0  | 265.4  | 40- 50   | 228.7       | 795.6        | 62.5,62.5  |
| 60       | 195.0                 | 197.0  | 194.4  | 194.6  | 195.2  | 195.6  | 196.6  | 196.1  | 50- 60   | 206.6       | 1002         | 78.7,78.7  |
| 70       | 120.7                 | 123.1  | 120.5  | 120.0  | 121.6  | 121.6  | 121.9  | 121.3  | 60- 70   | 157.1       | 1159         | 91.1,91.1  |
| 80       | 50.68                 | 52.85  | 50.28  | 49.52  | 51.23  | 51.24  | 50.36  | 49.62  | 70- 80   | 89.96       | 1249         | 98.2,98.2  |
| 90       | 0.5237                | 0.5281 | 0.5127 | 0.5327 | 0.4299 | 0.3348 | 0.3161 | 0.3280 | 80- 90   | 23.37       | 1273         | 100,100    |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                                                                                   | SUR.: | Shielding Angle: |



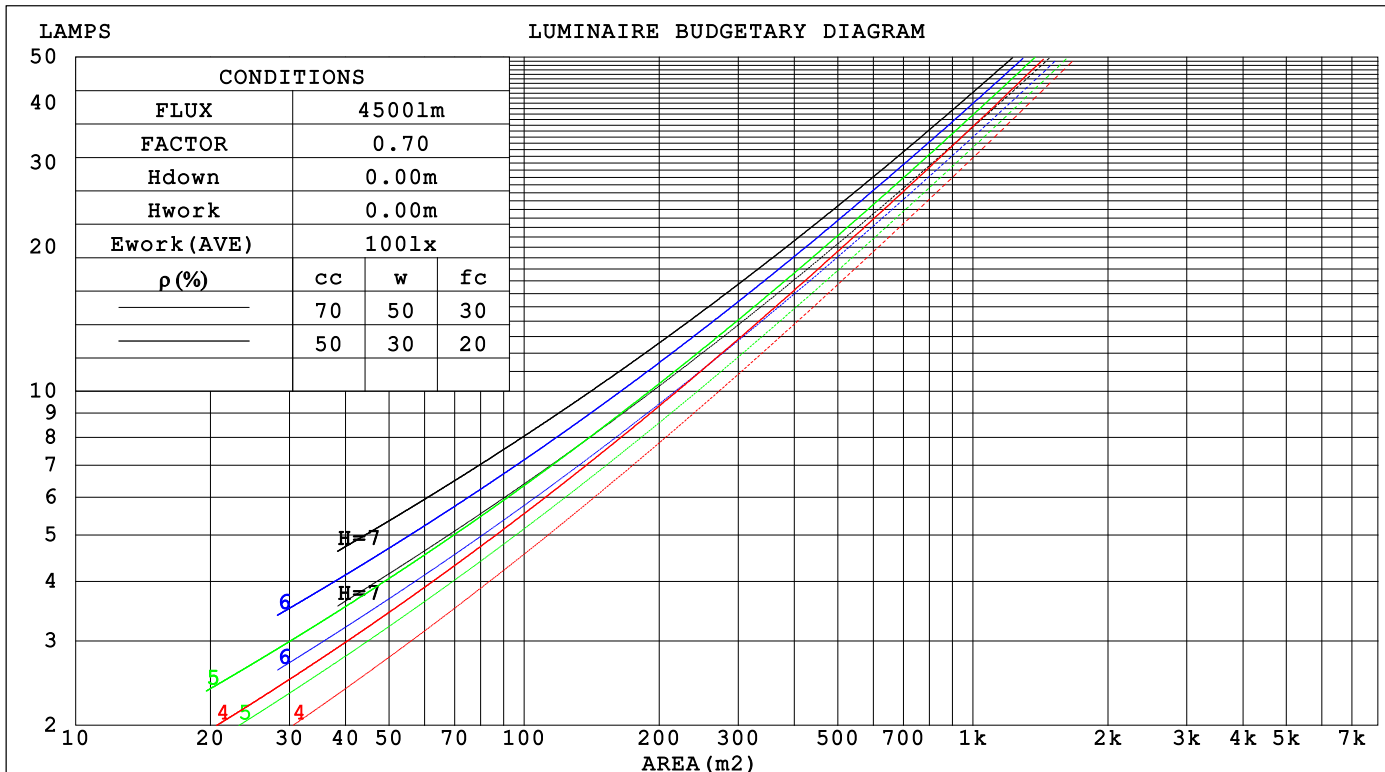
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |  |  |                                 |  |  |                        |  |  |
|-----------------------------------------------------------|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz |  |  | UTHDi:0.00% ITHDi:0.00% KDisp:0 |  |  | Lamp Flux:1272.69x1 lm |  |  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                        |  |  | TYPE:                           |  |  | WEIGHT:                |  |  |
| SPEC.: 3500K                                              |  |  | DIM.:                           |  |  | SERIAL No.:            |  |  |
| MFR.: Envisionled                                         |  |  | SUR.:                           |  |  | Shielding Angle:       |  |  |

| pcc             | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| p <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| p <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 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0             | 1.04                  | .00  | .96  | 1.02 | .98  | .94  | .97  | .94  | .91  | .93  | .91  | .88  | .90  | .88  | .86  | .84                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0             | .90                   | .84  | .78  | .89  | .82  | .77  | .85  | .80  | .75  | .82  | .77  | .73  | .79  | .75  | .72  | .69                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0             | .79                   | .71  | .65  | .78  | .70  | .64  | .75  | .68  | .63  | .72  | .66  | .62  | .69  | .65  | .61  | .58                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0             | .70                   | .61  | .55  | .69  | .61  | .54  | .66  | .59  | .53  | .64  | .58  | .53  | .62  | .56  | .52  | .50                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0             | .63                   | .54  | .47  | .62  | .53  | .47  | .59  | .52  | .46  | .57  | .51  | .46  | .56  | .50  | .45  | .43                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0             | .56                   | .47  | .41  | .55  | .47  | .41  | .54  | .46  | .40  | .52  | .45  | .40  | .50  | .44  | .40  | .38                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0             | .51                   | .42  | .36  | .50  | .42  | .36  | .49  | .41  | .36  | .47  | .41  | .35  | .46  | .40  | .35  | .33                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0             | .47                   | .38  | .32  | .46  | .38  | .32  | .45  | .37  | .32  | .43  | .37  | .32  | .42  | .36  | .31  | .30                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0             | .43                   | .35  | .29  | .42  | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .29  | .39  | .33  | .28  | .27                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0            | .39                   | .32  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .31  | .26  | .36  | .30  | .26  | .24                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                           |  |  |                                 |  |  |                        |  |  |
|-----------------------------------------------------------|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz |  |  | UTHDi:0.00% ITHDi:0.00% KDisp:0 |  |  | Lamp Flux:1272.69x1 lm |  |  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                        |  |  | TYPE:                           |  |  | WEIGHT:                |  |  |
| SPEC.: 3500K                                              |  |  | DIM.:                           |  |  | SERIAL No.:            |  |  |
| MFR.: Envisionled                                         |  |  | SUR.:                           |  |  | Shielding Angle:       |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .310                  | .176 | .056 | .303 | .173 | .055 | .289                            | .166 | .053 | .277 | .160 | .051 | .266 | .154 | .050 |   |  |
| 2.0  | .292                  | .160 | .049 | .286 | .157 | .048 | .274                            | .152 | .047 | .263 | .148 | .046 | .253 | .143 | .045 |   |  |
| 3.0  | .270                  | .144 | .043 | .265 | .142 | .043 | .254                            | .138 | .042 | .245 | .134 | .041 | .236 | .131 | .040 |   |  |
| 4.0  | .249                  | .130 | .038 | .244 | .128 | .038 | .235                            | .125 | .037 | .227 | .122 | .037 | .219 | .119 | .036 |   |  |
| 5.0  | .231                  | .117 | .034 | .226 | .116 | .034 | .218                            | .114 | .033 | .210 | .111 | .033 | .203 | .109 | .033 |   |  |
| 6.0  | .214                  | .107 | .031 | .210 | .106 | .031 | .203                            | .104 | .030 | .196 | .102 | .030 | .190 | .100 | .030 |   |  |
| 7.0  | .199                  | .098 | .028 | .196 | .097 | .028 | .189                            | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 |   |  |
| 8.0  | .186                  | .091 | .026 | .183 | .090 | .025 | .177                            | .088 | .025 | .171 | .087 | .025 | .166 | .085 | .025 |   |  |
| 9.0  | .174                  | .084 | .024 | .171 | .084 | .023 | .166                            | .082 | .023 | .161 | .081 | .023 | .157 | .080 | .023 |   |  |
| 10.0 | .164                  | .078 | .022 | .161 | .078 | .022 | .157                            | .077 | .022 | .152 | .076 | .021 | .148 | .074 | .021 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .180                  | .156 | .134 | .154 | .134 | .116 | .106                                        | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 |   |  |
| 2.0  | .172                  | .132 | .098 | .148 | .114 | .085 | .101                                        | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 |   |  |
| 3.0  | .165                  | .114 | .074 | .141 | .099 | .064 | .097                                        | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 |   |  |
| 4.0  | .157                  | .101 | .058 | .135 | .087 | .051 | .093                                        | .061 | .036 | .054 | .036 | .021 | .017 | .012 | .007 |   |  |
| 5.0  | .149                  | .091 | .047 | .128 | .078 | .041 | .088                                        | .055 | .029 | .051 | .032 | .017 | .017 | .010 | .006 |   |  |
| 6.0  | .142                  | .082 | .039 | .122 | .071 | .034 | .084                                        | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .135                  | .075 | .033 | .117 | .065 | .029 | .081                                        | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .129                  | .070 | .029 | .111 | .060 | .025 | .077                                        | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .003 |   |  |
| 9.0  | .123                  | .065 | .025 | .106 | .056 | .022 | .073                                        | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .117                  | .060 | .022 | .101 | .052 | .020 | .070                                        | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |      |                |      |      |                  |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------------------|------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |                  |      |      |      |      |                |      |      |                  |      |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  |                  |      |      |      |      | TYPE:          |      |      | WEIGHT:          |      |
| SPEC.: 3500K                                                                                                        |                  |      |      |      |      | DIM.:          |      |      | SERIAL No.:      |      |
| MFR.: Envisionled                                                                                                   |                  |      |      |      |      | SUR.:          |      |      | 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                                                                                                       | 16.5             | 18.0 | 16.8 | 18.3 | 18.5 | 16.5           | 18.1 | 16.8 | 18.3             | 18.5 |
| 3H                                                                                                                  | 18.0             | 19.4 | 18.3 | 19.7 | 19.9 | 18.1           | 19.5 | 18.3 | 19.7             | 19.9 |
| 4H                                                                                                                  | 18.6             | 20.0 | 18.9 | 20.2 | 20.5 | 18.6           | 20.0 | 19.0 | 20.2             | 20.5 |
| 6H                                                                                                                  | 19.1             | 20.3 | 19.4 | 20.6 | 20.9 | 19.1           | 20.3 | 19.4 | 20.6             | 20.9 |
| 8H                                                                                                                  | 19.2             | 20.4 | 19.5 | 20.7 | 21.0 | 19.2           | 20.4 | 19.5 | 20.7             | 21.0 |
| 12H                                                                                                                 | 19.3             | 20.4 | 19.6 | 20.7 | 21.0 | 19.3           | 20.4 | 19.6 | 20.7             | 21.0 |
| 4H 2H                                                                                                               | 17.1             | 18.5 | 17.5 | 18.7 | 19.0 | 17.2           | 18.5 | 17.5 | 18.8             | 19.0 |
| 3H                                                                                                                  | 18.8             | 20.0 | 19.2 | 20.3 | 20.6 | 18.9           | 20.0 | 19.2 | 20.3             | 20.6 |
| 4H                                                                                                                  | 19.6             | 20.6 | 19.9 | 21.0 | 21.3 | 19.6           | 20.7 | 20.0 | 21.0             | 21.3 |
| 6H                                                                                                                  | 20.1             | 21.1 | 20.5 | 21.4 | 21.8 | 20.1           | 21.1 | 20.5 | 21.4             | 21.8 |
| 8H                                                                                                                  | 20.3             | 21.2 | 20.7 | 21.6 | 21.9 | 20.3           | 21.2 | 20.7 | 21.6             | 22.0 |
| 12H                                                                                                                 | 20.4             | 21.2 | 20.9 | 21.6 | 22.0 | 20.4           | 21.2 | 20.9 | 21.6             | 22.0 |
| 8H 4H                                                                                                               | 19.8             | 20.7 | 20.3 | 21.1 | 21.5 | 19.9           | 20.7 | 20.3 | 21.1             | 21.5 |
| 6H                                                                                                                  | 20.5             | 21.3 | 21.0 | 21.7 | 22.1 | 20.6           | 21.3 | 21.0 | 21.7             | 22.1 |
| 8H                                                                                                                  | 20.8             | 21.5 | 21.3 | 21.9 | 22.4 | 20.8           | 21.5 | 21.3 | 21.9             | 22.4 |
| 12H                                                                                                                 | 21.0             | 21.6 | 21.5 | 22.0 | 22.5 | 21.0           | 21.6 | 21.5 | 22.0             | 22.5 |
| 12H 4H                                                                                                              | 19.9             | 20.7 | 20.3 | 21.1 | 21.5 | 19.9           | 20.7 | 20.3 | 21.1             | 21.5 |
| 6H                                                                                                                  | 20.6             | 21.3 | 21.1 | 21.7 | 22.1 | 20.6           | 21.3 | 21.1 | 21.7             | 22.2 |
| 8H                                                                                                                  | 20.9             | 21.5 | 21.4 | 21.9 | 22.4 | 20.9           | 21.5 | 21.4 | 22.0             | 22.4 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |      |                |      |      |                  |      |
| S = 1.0H                                                                                                            | + 0.1 / - 0.2    |      |      |      |      | + 0.2 / - 0.2  |      |      |                  |      |
| 1.5H                                                                                                                | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |                  |      |
| 2.0H                                                                                                                | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |                  |      |

CIE Pub.117, 1273 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)  
Area: 0.111111 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm    |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                        | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                              | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                         | SUR.: | Shielding Angle: |

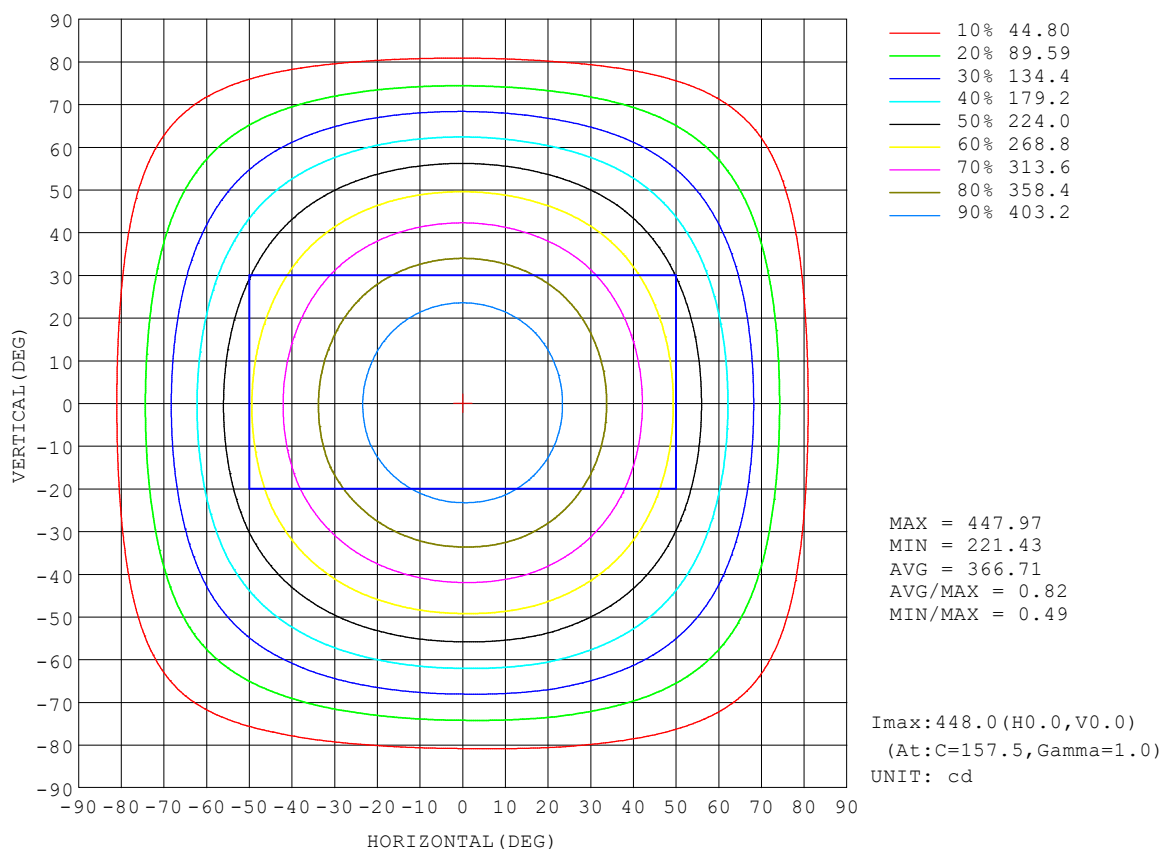
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                                                   | 46  | 39        | 57  | 46  | 39  | 56  | 45            | 39  | 32     |
| 0.80                             | 68                                                   | 56  | 48        | 66  | 55  | 48  | 65  | 55            | 48  | 41     |
| 1.00                             | 76                                                   | 65  | 57        | 75  | 64  | 57  | 72  | 66            | 57  | 50     |
| 1.25                             | 83                                                   | 73  | 65        | 82  | 72  | 65  | 79  | 70            | 64  | 57     |
| 1.50                             | 88                                                   | 78  | 71        | 86  | 77  | 71  | 83  | 75            | 70  | 62     |
| 2.00                             | 95                                                   | 86  | 80        | 93  | 85  | 79  | 90  | 83            | 78  | 70     |
| 2.50                             | 99                                                   | 91  | 85        | 97  | 90  | 84  | 93  | 87            | 82  | 74     |
| 3.00                             | 102                                                  | 95  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106                                                  | 101 | 96        | 104 | 99  | 94  | 100 | 95            | 92  | 83     |
| 5.00                             | 109                                                  | 104 | 100       | 106 | 102 | 98  | 102 | 98            | 95  | 86     |
| 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: 25.3°C  
Operators:  
Test Date: 2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                                                                                   | SUR.: | Shielding Angle: |

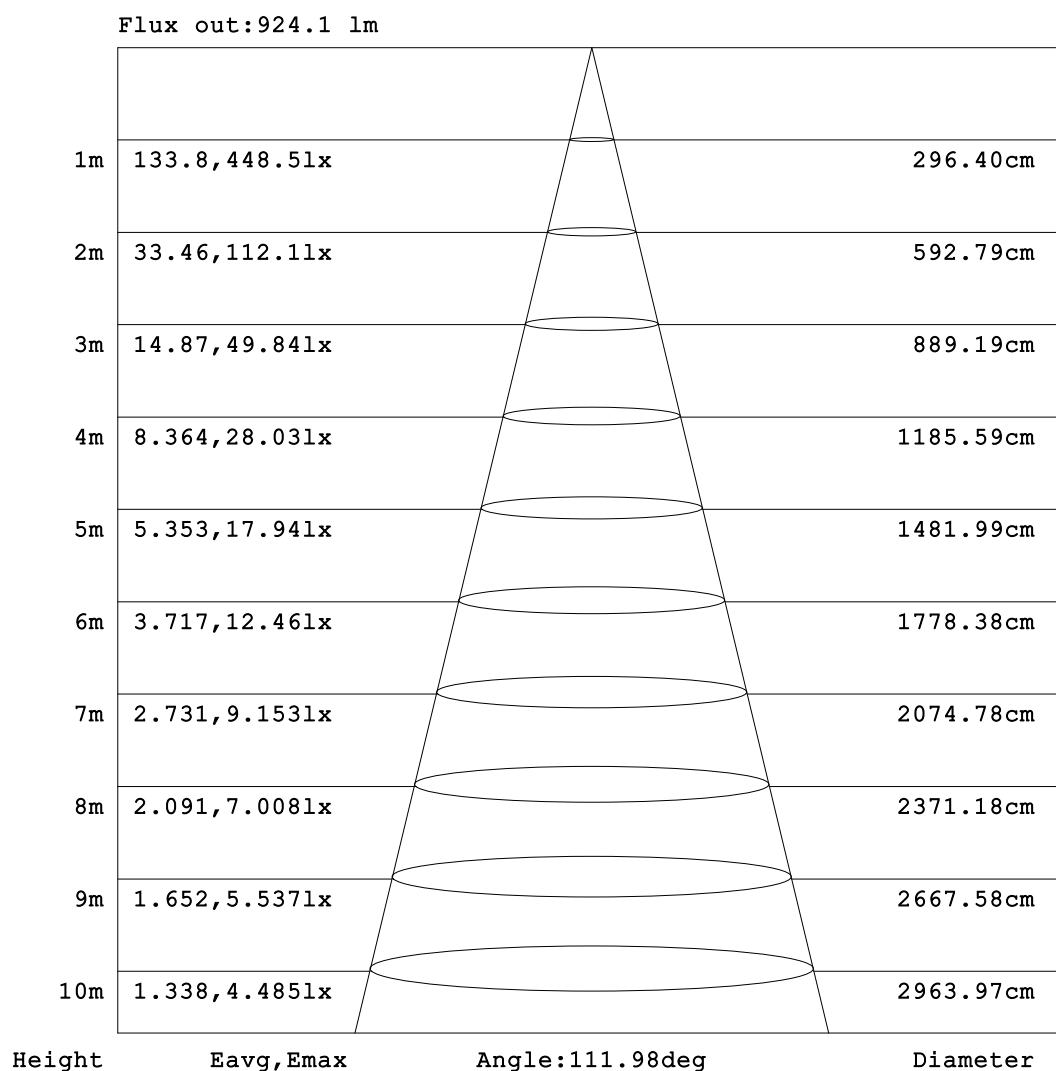


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                                                                                   | SUR.: | Shielding Angle: |



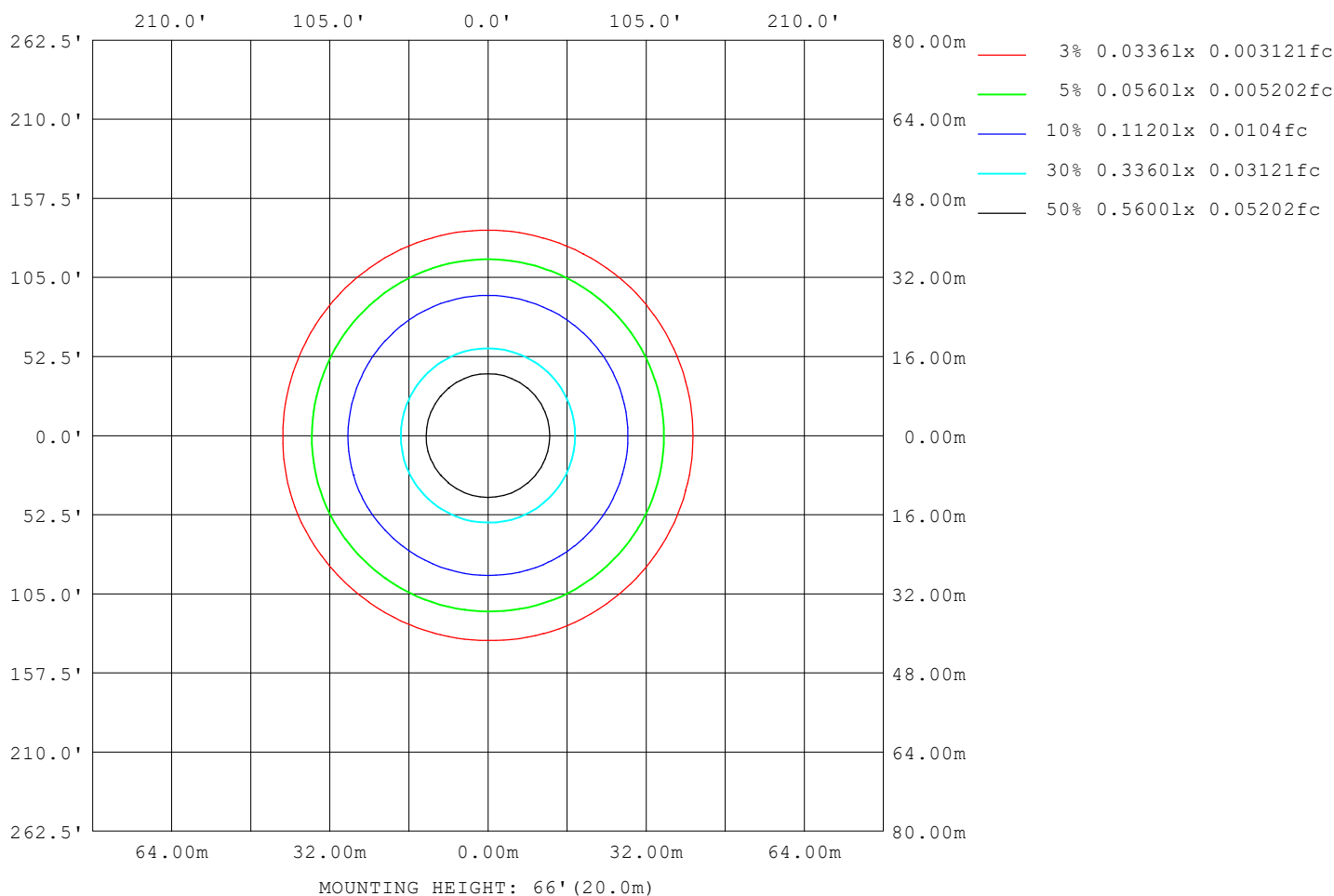
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                                                                                   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm |       |                  |
| NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH                                                                                  | TYPE: | WEIGHT:          |
| SPEC.: 3500K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: Envisionled                                                                                                   | SUR.: | Shielding Angle: |

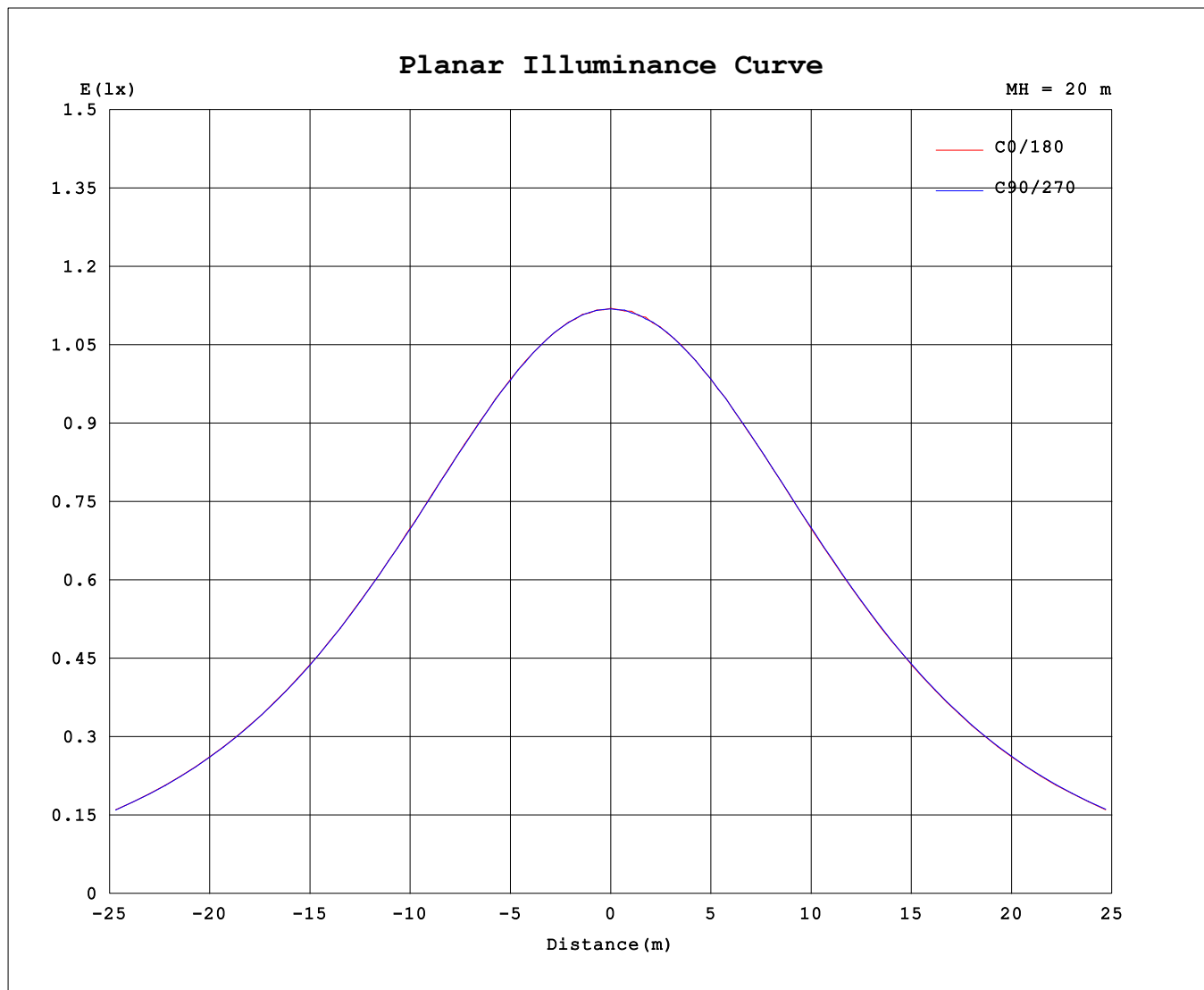
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 3370  |
| L_0~180 (75) av  | 2944  |
| L_0~180 (85) av  | 2287  |
| L_90~270 (65) av | 3377  |
| L_90~270 (75) av | 2941  |
| L_90~270 (85) av | 1880  |
| L_45 (65) av     | 3386  |
| L_45 (75) av     | 2952  |
| L_45 (85) av     | 2085  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2022-06-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2022-06-17

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

|                                                                                                                                   |              |                         |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| <b>Test:U:119.88V I:0.2452A P:20.436W PF:0.6952 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1272.69x1 lm</b> |              |                         |
| <b>NAME: LED-SL-PNL-8SQ-3P22W-5CCT-WH</b>                                                                                         | <b>TYPE:</b> | <b>WEIGHT:</b>          |
| <b>SPEC.: 3500K</b>                                                                                                               | <b>DIM.:</b> | <b>SERIAL No.:</b>      |
| <b>MFR.: Envisionled</b>                                                                                                          | <b>SUR.:</b> | <b>Shielding Angle:</b> |

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```