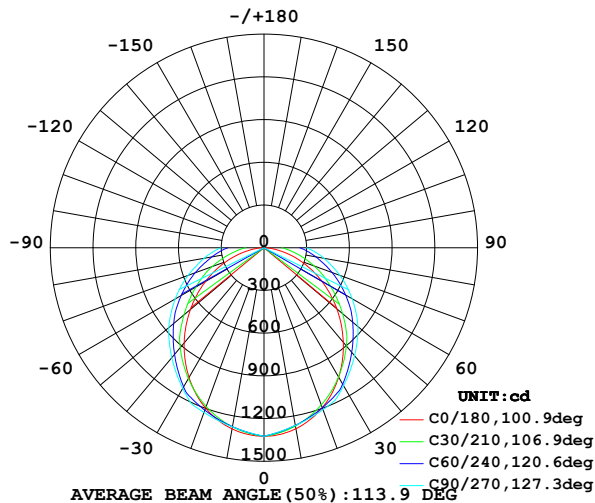


LUMINAIRE PHOTOMETRIC TEST REPORT

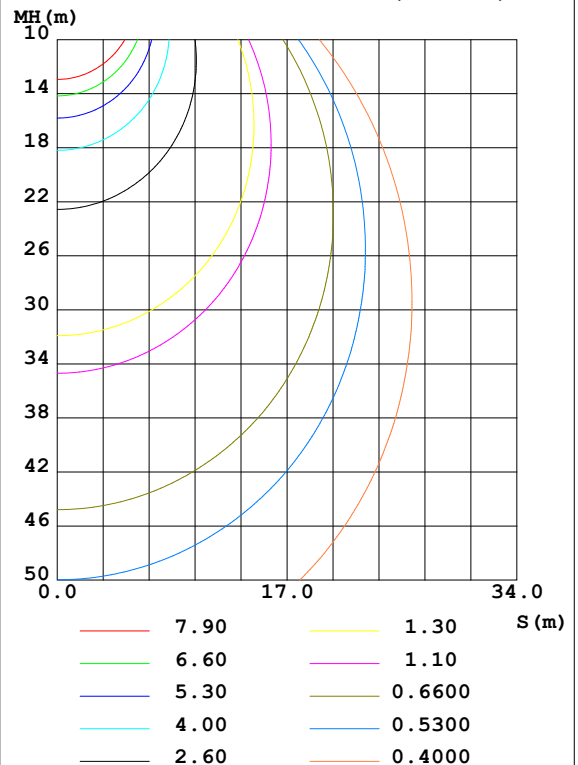
| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME:LOC-4FTSL-MW(22/28/36/44)MCCT(35/40/50)DF | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 153.01 lm/W | | | |
|-------------------|---------|--|--------|---|-----------|
| MODEL | 4000K | I _{max} (cd) | 1324 | S/MH (C0/180) | 1.19 |
| NOMINAL POWER (W) | 28 | LOR (%) | 100.0 | S/MH (C90/270) | 1.28 |
| RATED VOLTAGE (V) | 120-277 | TOTAL FLUX (lm) | 4061.8 | <input checked="" type="checkbox"/> UP, DN (C0-180) | 0.0, 49.7 |
| NOMINAL FLUX (lm) | 4061.76 | CIE CLASS | DIRECT | <input checked="" type="checkbox"/> UP, DN (C180-360) | 0.0, 50.3 |
| LAMPS INSIDE | 1 | <input checked="" type="checkbox"/> up (%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 120 | <input checked="" type="checkbox"/> down (%) | 100.0 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-06-16

☒ Range: 0 - 90DEG
☒ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 8.900m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------------|
| 5 | 1315 | 1300 | 1295 | 1299 | 1315 | 1303 | 1301 | 1303 | 0- 5 | 31.34 | 31.34 | 0.77,0.77 |
| 10 | 1291 | 1268 | 1267 | 1268 | 1292 | 1276 | 1278 | 1275 | 5- 10 | 92.17 | 123.5 | 3.04,3.04 |
| 15 | 1250 | 1229 | 1239 | 1229 | 1252 | 1240 | 1254 | 1239 | 10- 15 | 149.1 | 272.6 | 6.71,6.71 |
| 20 | 1196 | 1183 | 1211 | 1185 | 1199 | 1198 | 1231 | 1198 | 15- 20 | 200.7 | 473.3 | 11.7,11.7 |
| 25 | 1128 | 1134 | 1182 | 1135 | 1131 | 1152 | 1208 | 1151 | 20- 25 | 246.0 | 719.3 | 17.7,17.7 |
| 30 | 1049 | 1080 | 1118 | 1081 | 1053 | 1101 | 1141 | 1100 | 25- 30 | 283.0 | 1002 | 24.7,24.7 |
| 35 | 961.2 | 1015 | 1054 | 1016 | 965.6 | 1035 | 1074 | 1036 | 30- 35 | 308.9 | 1311 | 32.3,32.3 |
| 40 | 867.4 | 930.2 | 990.0 | 933.3 | 872.1 | 949.0 | 1007 | 949.3 | 35- 40 | 324.6 | 1636 | 40.3,40.3 |
| 45 | 768.4 | 846.5 | 926.0 | 850.1 | 774.2 | 863.3 | 940.3 | 862.1 | 40- 45 | 330.7 | 1966 | 48.4,48.4 |
| 50 | 668.5 | 764.2 | 861.9 | 768.3 | 674.9 | 779.8 | 873.3 | 778.2 | 45- 50 | 327.9 | 2294 | 56.5,56.5 |
| 55 | 568.0 | 684.8 | 788.1 | 689.8 | 574.4 | 699.5 | 796.8 | 697.0 | 50- 55 | 317.0 | 2611 | 64.3,64.3 |
| 60 | 468.4 | 607.0 | 714.2 | 613.3 | 475.1 | 621.2 | 720.3 | 619.0 | 55- 60 | 298.2 | 2910 | 71.6,71.6 |
| 65 | 370.9 | 524.9 | 640.3 | 530.4 | 377.2 | 536.4 | 643.8 | 535.2 | 60- 65 | 273.0 | 3182 | 78.4,78.4 |
| 70 | 276.1 | 447.0 | 566.4 | 451.4 | 282.9 | 455.6 | 567.2 | 455.4 | 65- 70 | 242.7 | 3425 | 84.3,84.3 |
| 75 | 185.8 | 373.3 | 492.6 | 376.7 | 191.2 | 379.2 | 490.7 | 379.6 | 70- 75 | 208.9 | 3634 | 89.5,89.5 |
| 80 | 103.9 | 304.9 | 427.6 | 306.9 | 110.1 | 308.7 | 427.4 | 310.0 | 75- 80 | 174.1 | 3808 | 93.8,93.8 |
| 85 | 40.60 | 248.8 | 362.7 | 247.0 | 46.47 | 252.0 | 364.0 | 253.1 | 80- 85 | 141.5 | 3950 | 97.2,97.2 |
| 90 | 12.36 | 195.6 | 297.8 | 190.0 | 18.21 | 197.9 | 300.7 | 199.2 | 85- 90 | 112.0 | 4062 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

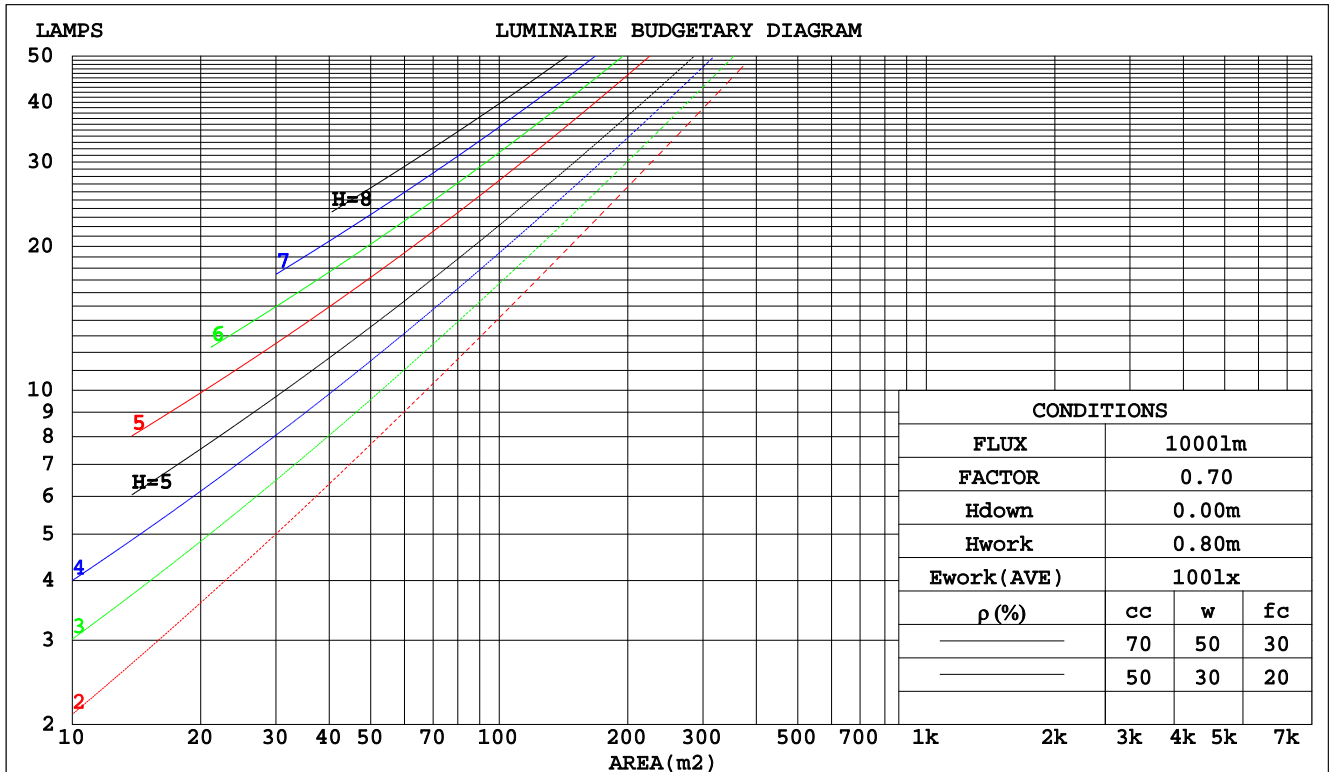
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION 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 | | | | | | 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 | 1.01 | .96 | .91 | .99 | .94 | .90 | .94 | .90 | .87 | .90 | .87 | .84 | .86 | .84 | .81 | .79 |
| 2.0 | .87 | .79 | .73 | .85 | .78 | .72 | .81 | .75 | .70 | .78 | .73 | .69 | .75 | .71 | .67 | .65 |
| 3.0 | .76 | .67 | .60 | .74 | .66 | .59 | .71 | .64 | .58 | .68 | .62 | .57 | .66 | .61 | .56 | .54 |
| 4.0 | .67 | .58 | .50 | .66 | .57 | .50 | .63 | .55 | .49 | .61 | .54 | .49 | .58 | .53 | .48 | .46 |
| 5.0 | .60 | .50 | .43 | .59 | .50 | .43 | .56 | .48 | .42 | .54 | .47 | .42 | .52 | .46 | .41 | .39 |
| 6.0 | .54 | .44 | .38 | .53 | .44 | .37 | .51 | .43 | .37 | .49 | .42 | .37 | .47 | .41 | .36 | .34 |
| 7.0 | .49 | .40 | .33 | .48 | .39 | .33 | .46 | .38 | .33 | .45 | .38 | .32 | .43 | .37 | .32 | .30 |
| 8.0 | .44 | .36 | .29 | .44 | .35 | .29 | .42 | .35 | .29 | .41 | .34 | .29 | .40 | .34 | .29 | .27 |
| 9.0 | .41 | .32 | .27 | .40 | .32 | .26 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .31 | .26 | .24 |
| 10.0 | .38 | .29 | .24 | .37 | .29 | .24 | .36 | .29 | .24 | .35 | .28 | .24 | .34 | .28 | .24 | .22 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | |
|---|--|--|-------------------|--|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | | | | |
| NAME: MLSN4-28/D10/U/40 | | | TYPE:LED | | WEIGHT: |
| SPEC.: | | | DIM.: | | SERIAL No.: |
| MFR.: | | | SUR.:1182*66*14mm | | PROTECTION 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 | .368 | .209 | .066 | .361 | .206 | .065 | .347 | .199 | .064 | .335 | .193 | .062 | .323 | .187 | .060 | |
| 2.0 | .326 | .178 | .055 | .319 | .176 | .054 | .307 | .171 | .053 | .296 | .166 | .052 | .286 | .162 | .051 | |
| 3.0 | .292 | .156 | .047 | .287 | .154 | .046 | .276 | .150 | .045 | .266 | .146 | .045 | .257 | .142 | .044 | |
| 4.0 | .265 | .138 | .041 | .260 | .136 | .040 | .251 | .133 | .040 | .242 | .130 | .039 | .234 | .127 | .039 | |
| 5.0 | .242 | .123 | .036 | .238 | .122 | .036 | .229 | .119 | .035 | .222 | .117 | .035 | .214 | .115 | .034 | |
| 6.0 | .223 | .112 | .032 | .219 | .110 | .032 | .211 | .108 | .032 | .204 | .106 | .031 | .198 | .104 | .031 | |
| 7.0 | .206 | .102 | .029 | .202 | .101 | .029 | .196 | .099 | .029 | .190 | .097 | .028 | .184 | .095 | .028 | |
| 8.0 | .191 | .093 | .026 | .188 | .093 | .026 | .182 | .091 | .026 | .177 | .090 | .026 | .172 | .088 | .026 | |
| 9.0 | .179 | .086 | .024 | .176 | .086 | .024 | .171 | .084 | .024 | .166 | .083 | .024 | .161 | .082 | .024 | |
| 10.0 | .167 | .080 | .022 | .165 | .080 | .022 | .160 | .078 | .022 | .156 | .077 | .022 | .151 | .076 | .022 | |

| 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 | .184 | .156 | .130 | .158 | .134 | .112 | .108 | .092 | .077 | .062 | .053 | .045 | .020 | .017 | .015 | |
| 2.0 | .177 | .132 | .094 | .151 | .113 | .081 | .104 | .078 | .057 | .060 | .046 | .033 | .019 | .015 | .011 | |
| 3.0 | .169 | .114 | .071 | .145 | .099 | .062 | .099 | .069 | .043 | .057 | .040 | .025 | .018 | .013 | .008 | |
| 4.0 | .161 | .101 | .056 | .138 | .088 | .049 | .095 | .061 | .034 | .055 | .036 | .020 | .018 | .012 | .007 | |
| 5.0 | .153 | .091 | .045 | .131 | .079 | .040 | .090 | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .005 | |
| 6.0 | .145 | .083 | .038 | .125 | .072 | .033 | .086 | .050 | .023 | .050 | .030 | .014 | .016 | .010 | .005 | |
| 7.0 | .138 | .076 | .032 | .119 | .066 | .028 | .082 | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .131 | .070 | .028 | .113 | .061 | .024 | .078 | .043 | .017 | .045 | .025 | .010 | .015 | .008 | .003 | |
| 9.0 | .125 | .065 | .025 | .108 | .056 | .022 | .075 | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .119 | .061 | .022 | .103 | .053 | .019 | .071 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|-------------------|------|----------------|-------------------|------|------|------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | | | | | | | | | | |
| NAME: MLSN4-28/D10/U/40 | | | | | TYPE:LED | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.:1182*66*14mm | | | PROTECTION 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 | 18.1 | 16.8 | 18.3 | 18.5 | 18.3 | 19.9 | 18.6 | 20.1 | 20.3 |
| 3H | | 17.8 | 19.3 | 18.1 | 19.6 | 19.8 | 20.6 | 22.1 | 20.9 | 22.3 | 22.6 |
| 4H | | 18.3 | 19.8 | 18.7 | 20.0 | 20.3 | 21.8 | 23.3 | 22.2 | 23.5 | 23.8 |
| 6H | | 18.7 | 20.0 | 19.0 | 20.3 | 20.6 | 23.2 | 24.5 | 23.5 | 24.8 | 25.1 |
| 8H | | 18.7 | 20.1 | 19.1 | 20.3 | 20.6 | 23.9 | 25.2 | 24.2 | 25.5 | 25.8 |
| 12H | | 18.8 | 20.0 | 19.1 | 20.3 | 20.7 | 24.7 | 26.0 | 25.1 | 26.3 | 26.6 |
| 4H 2H | | 17.5 | 18.9 | 17.8 | 19.2 | 19.5 | 18.9 | 20.3 | 19.2 | 20.5 | 20.8 |
| 3H | | 19.1 | 20.4 | 19.5 | 20.7 | 21.0 | 21.4 | 22.7 | 21.8 | 23.0 | 23.3 |
| 4H | | 19.8 | 21.0 | 20.2 | 21.3 | 21.6 | 22.8 | 24.0 | 23.2 | 24.3 | 24.7 |
| 6H | | 20.3 | 21.3 | 20.7 | 21.7 | 22.1 | 24.4 | 25.4 | 24.8 | 25.8 | 26.2 |
| 8H | | 20.4 | 21.4 | 20.9 | 21.8 | 22.2 | 25.3 | 26.2 | 25.7 | 26.6 | 27.0 |
| 12H | | 20.5 | 21.4 | 21.0 | 21.8 | 22.2 | 26.2 | 27.1 | 26.7 | 27.5 | 27.9 |
| 8H 4H | | 20.7 | 21.6 | 21.1 | 22.0 | 22.4 | 23.2 | 24.1 | 23.6 | 24.5 | 24.9 |
| 6H | | 21.5 | 22.3 | 21.9 | 22.7 | 23.2 | 25.0 | 25.8 | 25.5 | 26.2 | 26.7 |
| 8H | | 21.8 | 22.6 | 22.3 | 23.0 | 23.4 | 26.1 | 26.8 | 26.5 | 27.3 | 27.7 |
| 12H | | 22.1 | 22.7 | 22.5 | 23.2 | 23.6 | 27.3 | 28.0 | 27.8 | 28.4 | 28.9 |
| 12H 4H | | 20.9 | 21.8 | 21.4 | 22.2 | 22.6 | 23.2 | 24.1 | 23.6 | 24.5 | 24.9 |
| 6H | | 21.9 | 22.7 | 22.4 | 23.1 | 23.6 | 25.1 | 25.9 | 25.6 | 26.3 | 26.7 |
| 8H | | 22.4 | 23.1 | 22.9 | 23.5 | 24.0 | 26.3 | 26.9 | 26.8 | 27.4 | 27.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.1 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |

CIE Pub.117 Corrected 4062 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION 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 | 55 | 43 | 36 | 55 | 43 | 36 | 53 | 43 | 36 | 29 |
| 0.80 | 65 | 53 | 45 | 64 | 52 | 45 | 62 | 51 | 44 | 37 |
| 1.00 | 73 | 61 | 53 | 72 | 61 | 53 | 69 | 62 | 53 | 45 |
| 1.25 | 80 | 69 | 61 | 78 | 68 | 60 | 76 | 66 | 60 | 52 |
| 1.50 | 85 | 74 | 66 | 83 | 73 | 66 | 80 | 71 | 65 | 57 |
| 2.00 | 92 | 82 | 75 | 90 | 81 | 74 | 86 | 79 | 73 | 64 |
| 2.50 | 96 | 87 | 80 | 94 | 86 | 79 | 90 | 83 | 78 | 69 |
| 3.00 | 99 | 92 | 85 | 97 | 90 | 84 | 93 | 87 | 82 | 73 |
| 4.00 | 104 | 97 | 92 | 101 | 95 | 90 | 97 | 92 | 88 | 78 |
| 5.00 | 106 | 101 | 96 | 104 | 99 | 94 | 99 | 95 | 91 | 81 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Conical surface Flux(90deg):

1966.4 lm

%lum = 48.4%

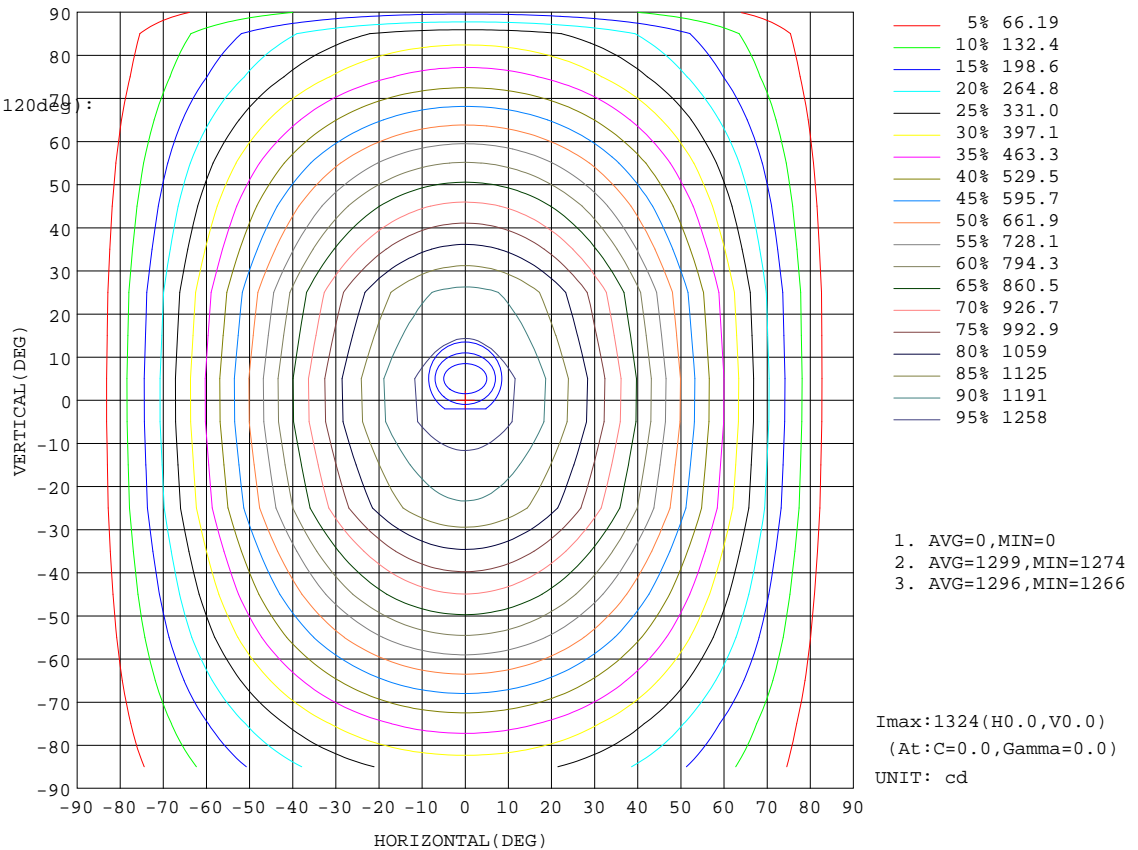
%lamp = 48.4%

Conical surface Flux(120deg):

2909.5 lm

%lum = 71.6%

%lamp = 71.6%

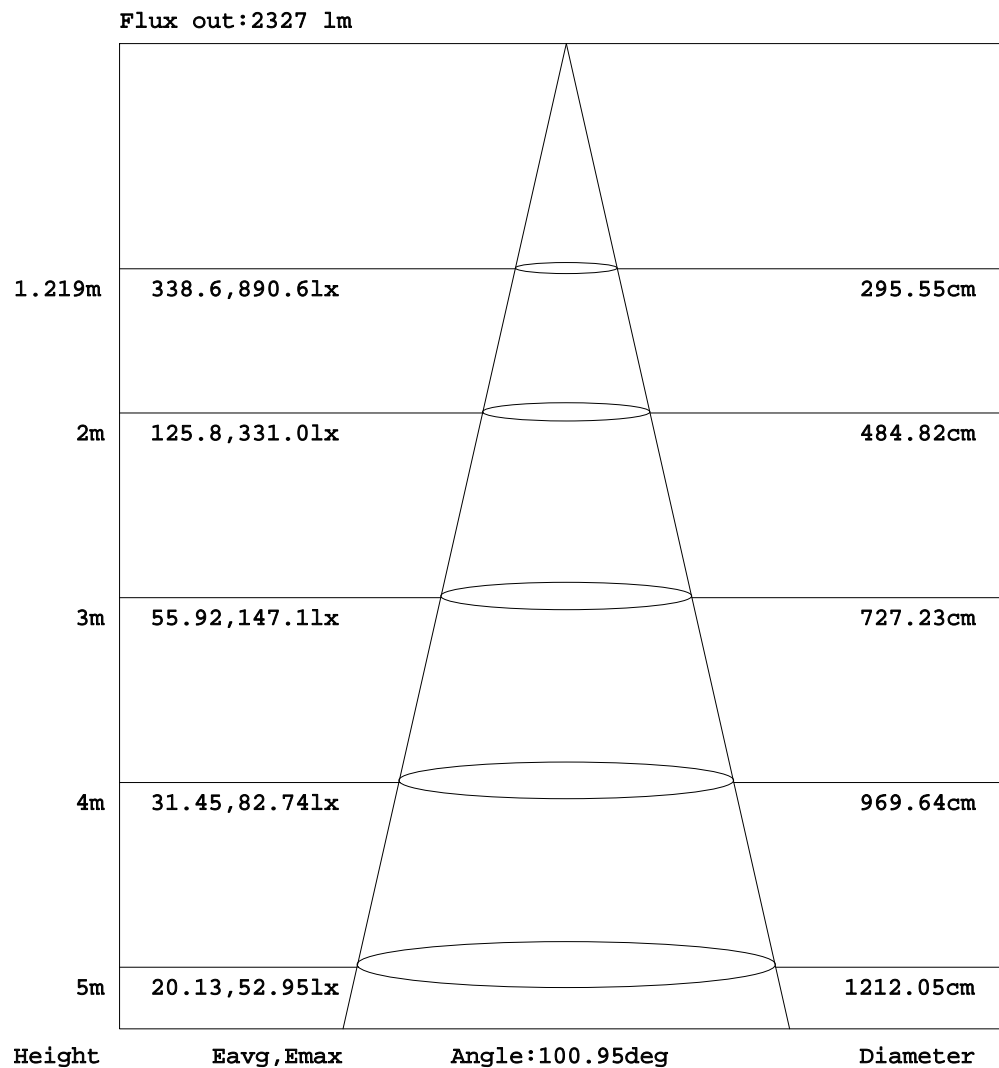


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |



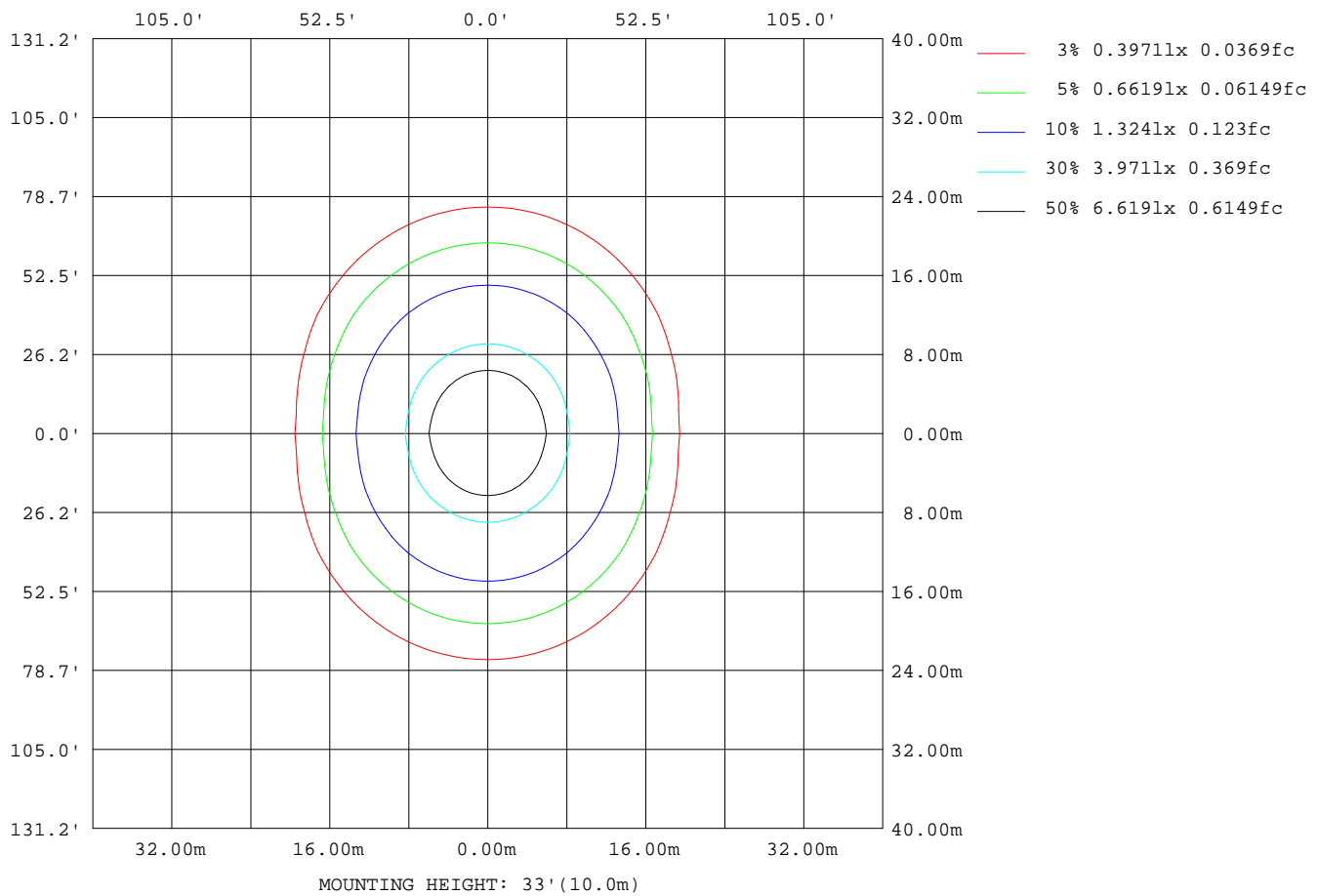
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 8.900m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

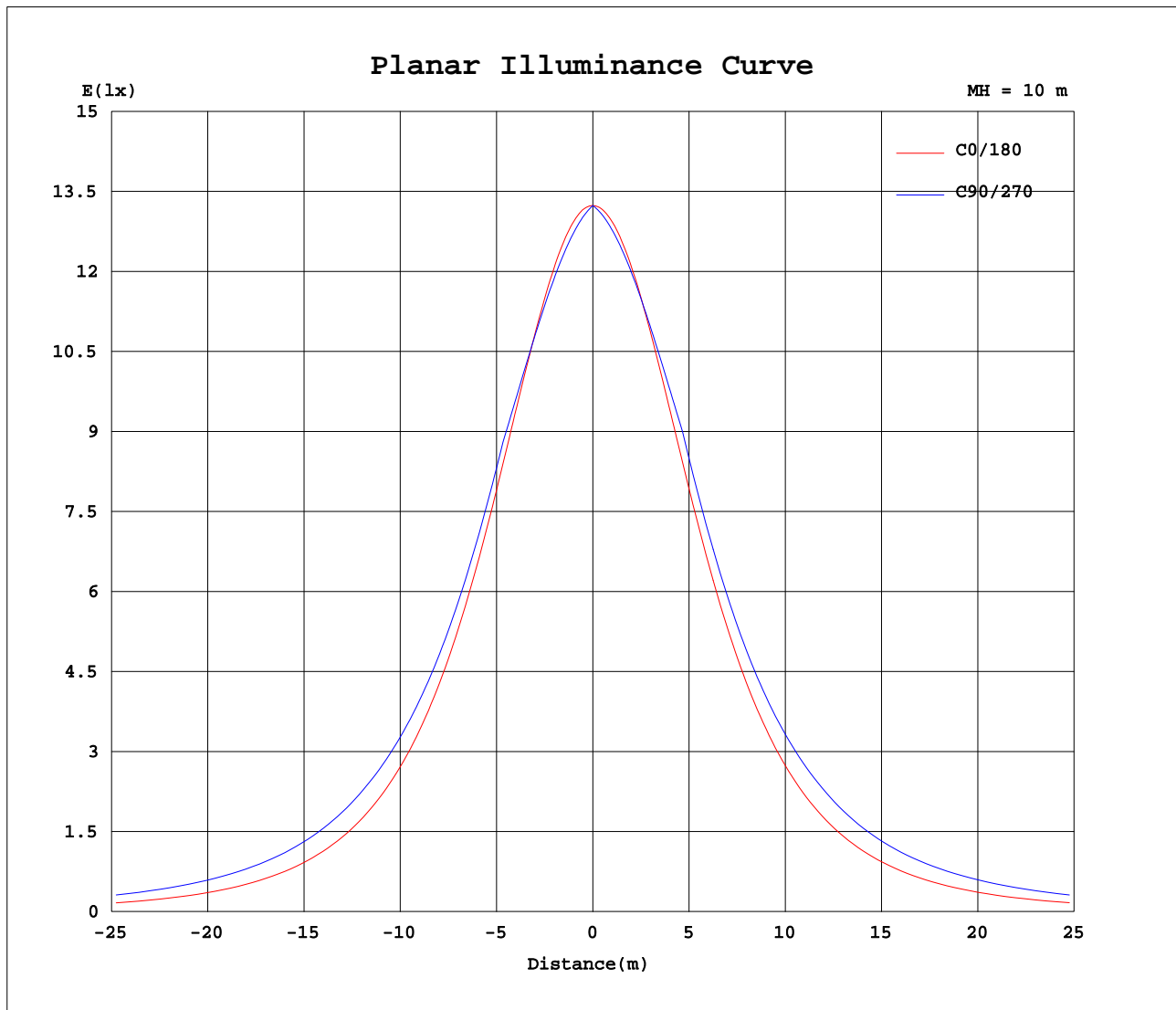
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 2950 |
| L_0~180(75)av | 2428 |
| L_0~180(85)av | 1665 |
| L_90~270(65)av | 5064 |
| L_90~270(75)av | 6332 |
| L_90~270(85)av | 13897 |
| L_45(65)av | 4194 |
| L_45(75)av | 4858 |
| L_45(85)av | 9571 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:8.900m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 8.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-06-16

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-06-16

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-06-16

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.2211A P:26.55W PF:0.9971 Lamp Flux:4061.76x1 lm | | |
| NAME: MLSN4-28/D10/U/40 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-06-16

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.900m [K=1.0000]
Remarks:

```