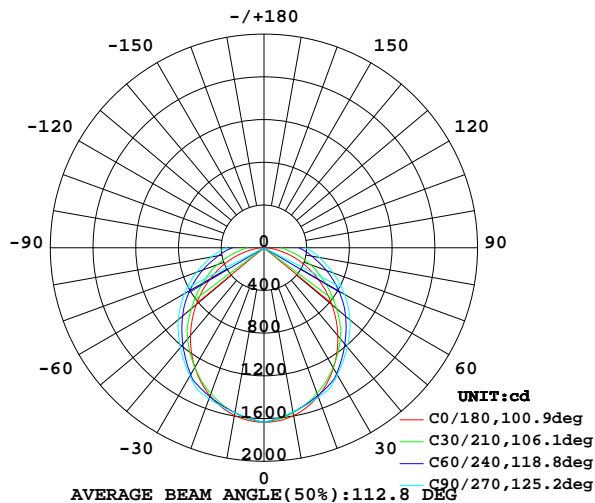


LUMINAIRE PHOTOMETRIC TEST REPORT

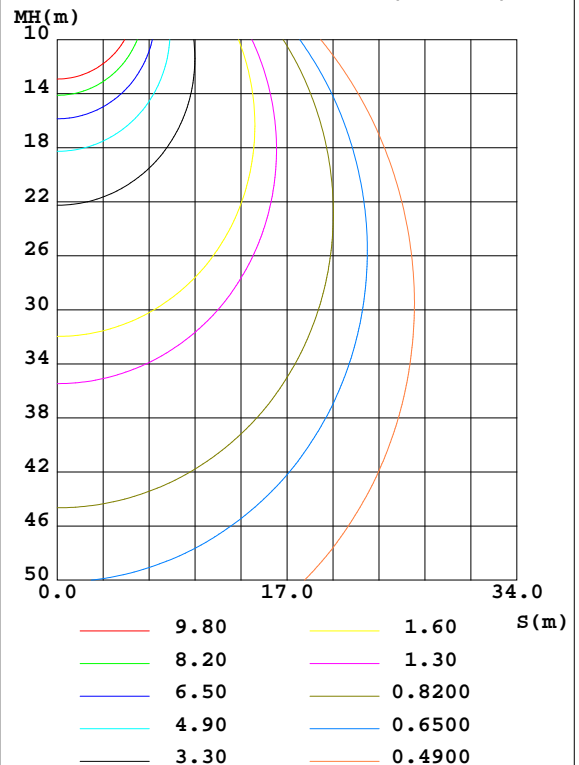
| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 135.07 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | 3500K | I _{max} (cd) | 1634 | S/MH(C0/180) | 1.19 |
| NOMINAL POWER(W) | 36 | LOR(%) | 100.0 | S/MH(C90/270) | 1.26 |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm) | 4952.8 | η UP,DN(C0-180) | 0.0,50.0 |
| NOMINAL FLUX(lm) | 4952.78 | 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: 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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------------|
| 5 | 1625 | 1604 | 1598 | 1603 | 1624 | 1606 | 1602 | 1607 | 0- 5 | 38.67 | 38.67 | 0.78,0.78 |
| 10 | 1596 | 1565 | 1562 | 1563 | 1594 | 1569 | 1569 | 1570 | 5- 10 | 113.6 | 152.3 | 3.07,3.07 |
| 15 | 1546 | 1516 | 1526 | 1514 | 1543 | 1521 | 1537 | 1525 | 10- 15 | 183.6 | 335.9 | 6.78,6.78 |
| 20 | 1481 | 1461 | 1490 | 1457 | 1476 | 1466 | 1504 | 1471 | 15- 20 | 246.9 | 582.8 | 11.8,11.8 |
| 25 | 1397 | 1398 | 1454 | 1395 | 1392 | 1406 | 1472 | 1411 | 20- 25 | 302.2 | 885.0 | 17.9,17.9 |
| 30 | 1300 | 1332 | 1374 | 1327 | 1294 | 1340 | 1387 | 1346 | 25- 30 | 347.2 | 1232 | 24.9,24.9 |
| 35 | 1192 | 1251 | 1293 | 1246 | 1187 | 1258 | 1303 | 1266 | 30- 35 | 378.6 | 1611 | 32.5,32.5 |
| 40 | 1076 | 1146 | 1213 | 1142 | 1071 | 1150 | 1218 | 1158 | 35- 40 | 397.3 | 2008 | 40.5,40.5 |
| 45 | 954.7 | 1042 | 1133 | 1039 | 950.1 | 1043 | 1133 | 1051 | 40- 45 | 404.1 | 2412 | 48.7,48.7 |
| 50 | 830.3 | 940.1 | 1053 | 937.5 | 827.2 | 939.4 | 1049 | 946.4 | 45- 50 | 400.1 | 2812 | 56.8,56.8 |
| 55 | 706.9 | 840.7 | 961.8 | 840.1 | 703.6 | 839.8 | 954.5 | 845.4 | 50- 55 | 386.0 | 3198 | 64.6,64.6 |
| 60 | 583.9 | 744.2 | 871.0 | 744.8 | 581.4 | 743.7 | 860.2 | 747.9 | 55- 60 | 362.4 | 3561 | 71.9,71.9 |
| 65 | 463.0 | 643.3 | 780.3 | 643.1 | 461.4 | 639.4 | 765.9 | 643.9 | 60- 65 | 331.0 | 3892 | 78.6,78.6 |
| 70 | 345.8 | 547.2 | 689.5 | 546.1 | 345.3 | 540.6 | 671.5 | 545.6 | 65- 70 | 293.5 | 4185 | 84.5,84.5 |
| 75 | 233.7 | 456.3 | 598.8 | 454.3 | 232.6 | 446.7 | 577.2 | 452.4 | 70- 75 | 251.8 | 4437 | 89.6,89.6 |
| 80 | 132.5 | 373.1 | 527.7 | 369.9 | 133.1 | 360.4 | 501.4 | 366.4 | 75- 80 | 209.1 | 4646 | 93.8,93.8 |
| 85 | 52.16 | 310.6 | 456.7 | 305.2 | 55.63 | 293.2 | 425.5 | 297.9 | 80- 85 | 170.4 | 4817 | 97.2,97.2 |
| 90 | 15.23 | 251.4 | 385.7 | 244.0 | 22.48 | 229.1 | 349.7 | 232.6 | 85- 90 | 136.3 | 4953 | 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 | | |

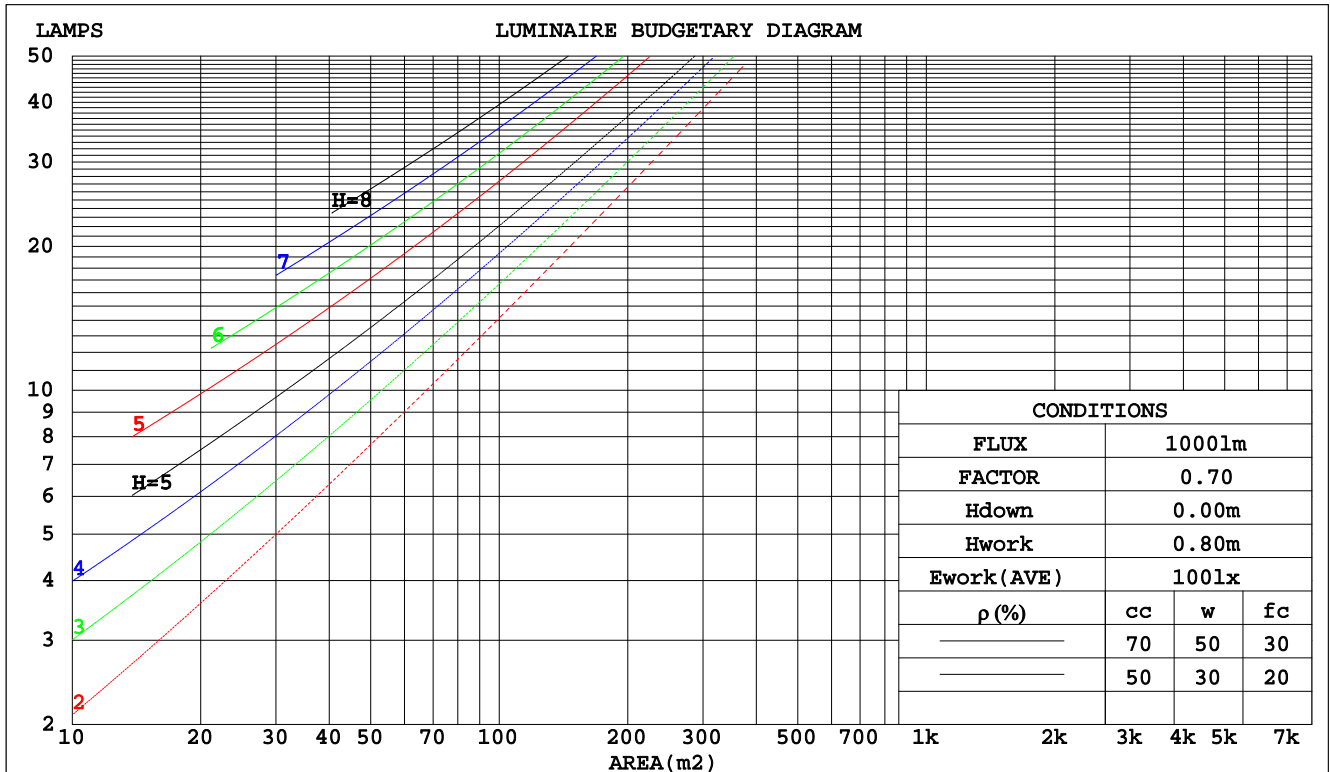
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | 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 | .87 | .84 | .82 | .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 | .51 | .66 | .57 | .50 | .63 | .55 | .49 | .61 | .54 | .49 | .59 | .53 | .48 | .46 |
| 5.0 | .60 | .50 | .43 | .59 | .50 | .43 | .57 | .49 | .43 | .54 | .48 | .42 | .53 | .46 | .42 | .39 |
| 6.0 | .54 | .44 | .38 | .53 | .44 | .38 | .51 | .43 | .37 | .49 | .42 | .37 | .48 | .41 | .37 | .34 |
| 7.0 | .49 | .40 | .33 | .48 | .39 | .33 | .46 | .39 | .33 | .45 | .38 | .33 | .43 | .37 | .32 | .30 |
| 8.0 | .45 | .36 | .30 | .44 | .35 | .30 | .42 | .35 | .29 | .41 | .34 | .29 | .40 | .34 | .29 | .27 |
| 9.0 | .41 | .32 | .27 | .40 | .32 | .27 | .39 | .32 | .26 | .38 | .31 | .26 | .37 | .31 | .26 | .24 |
| 10.0 | .38 | .30 | .24 | .37 | .29 | .24 | .36 | .29 | .24 | .35 | .29 | .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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | | | | |
| NAME: MLSN4-36/D10/U/35 | | | 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 | .366 | .208 | .066 | .359 | .205 | .065 | .346 | .198 | .063 | .333 | .192 | .062 | .322 | .186 | .060 | |
| 2.0 | .324 | .178 | .055 | .318 | .175 | .054 | .306 | .170 | .053 | .295 | .165 | .052 | .285 | .161 | .051 | |
| 3.0 | .292 | .155 | .046 | .286 | .153 | .046 | .275 | .149 | .045 | .266 | .145 | .045 | .256 | .142 | .044 | |
| 4.0 | .264 | .137 | .040 | .259 | .136 | .040 | .250 | .133 | .040 | .241 | .130 | .039 | .233 | .127 | .039 | |
| 5.0 | .242 | .123 | .036 | .237 | .122 | .035 | .229 | .119 | .035 | .221 | .117 | .035 | .214 | .114 | .034 | |
| 6.0 | .222 | .111 | .032 | .218 | .110 | .032 | .211 | .108 | .031 | .204 | .106 | .031 | .197 | .104 | .031 | |
| 7.0 | .205 | .102 | .029 | .202 | .101 | .029 | .195 | .099 | .028 | .189 | .097 | .028 | .183 | .095 | .028 | |
| 8.0 | .191 | .093 | .026 | .188 | .093 | .026 | .182 | .091 | .026 | .176 | .089 | .026 | .171 | .088 | .026 | |
| 9.0 | .178 | .086 | .024 | .176 | .086 | .024 | .170 | .084 | .024 | .165 | .083 | .024 | .161 | .082 | .024 | |
| 10.0 | .167 | .080 | .022 | .165 | .080 | .022 | .160 | .078 | .022 | .155 | .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 | .026 | .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 | .029 | .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 | .107 | .056 | .022 | .074 | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .119 | .061 | .022 | .102 | .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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | | | | | | | | | | |
| NAME: MLSN4-36/D10/U/35 | | | | | 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 | 17.3 | 18.9 | 17.6 | 19.1 | 19.3 | 19.0 | 20.6 | 19.3 | 20.8 | 21.0 | |
| | 3H | 18.6 | 20.1 | 18.9 | 20.4 | 20.6 | 21.3 | 22.8 | 21.6 | 23.0 | |
| | 4H | 19.1 | 20.6 | 19.5 | 20.8 | 21.1 | 22.5 | 24.0 | 22.9 | 24.2 | |
| | 6H | 19.5 | 20.8 | 19.8 | 21.1 | 21.4 | 23.9 | 25.2 | 24.2 | 25.5 | |
| | 8H | 19.6 | 20.9 | 19.9 | 21.2 | 21.5 | 24.6 | 25.9 | 25.0 | 26.2 | |
| | 12H | 19.6 | 20.9 | 20.0 | 21.2 | 21.5 | 25.5 | 26.7 | 25.8 | 27.0 | |
| 4H | 2H | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 | 19.6 | 21.0 | 19.9 | 21.2 | |
| | 3H | 19.9 | 21.2 | 20.3 | 21.5 | 21.8 | 22.1 | 23.4 | 22.5 | 23.7 | |
| | 4H | 20.6 | 21.7 | 21.0 | 22.1 | 22.4 | 23.5 | 24.7 | 23.9 | 25.0 | |
| | 6H | 21.1 | 22.1 | 21.5 | 22.5 | 22.9 | 25.1 | 26.2 | 25.5 | 26.5 | |
| | 8H | 21.2 | 22.2 | 21.7 | 22.6 | 23.0 | 26.0 | 27.0 | 26.4 | 27.3 | |
| | 12H | 21.3 | 22.2 | 21.8 | 22.6 | 23.0 | 27.0 | 27.9 | 27.4 | 28.3 | |
| 8H | 4H | 21.4 | 22.4 | 21.8 | 22.8 | 23.2 | 23.9 | 24.8 | 24.3 | 25.2 | |
| | 6H | 22.3 | 23.1 | 22.7 | 23.5 | 23.9 | 25.7 | 26.6 | 26.2 | 27.0 | |
| | 8H | 22.6 | 23.3 | 23.1 | 23.8 | 24.2 | 26.8 | 27.6 | 27.3 | 28.0 | |
| | 12H | 22.8 | 23.5 | 23.3 | 23.9 | 24.4 | 28.1 | 28.8 | 28.6 | 29.2 | |
| 12H | 4H | 21.7 | 22.6 | 22.1 | 23.0 | 23.4 | 23.9 | 24.8 | 24.3 | 25.2 | |
| | 6H | 22.7 | 23.5 | 23.2 | 23.9 | 24.3 | 25.8 | 26.6 | 26.3 | 27.0 | |
| | 8H | 23.2 | 23.9 | 23.7 | 24.3 | 24.8 | 27.0 | 27.7 | 27.5 | 28.1 | |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | | |
| 1.5H | + 0.1 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.1 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | | |

CIE Pub.117 Corrected 4953 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

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:

UTILIZATION FACTORS TABLE

| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | 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 | 44 | 36 | 55 | 43 | 36 | 54 | 43 | 36 | 29 |
| 0.80 | 65 | 53 | 45 | 64 | 52 | 45 | 62 | 52 | 45 | 37 |
| 1.00 | 73 | 61 | 54 | 72 | 61 | 53 | 70 | 62 | 53 | 45 |
| 1.25 | 80 | 69 | 61 | 79 | 68 | 61 | 76 | 67 | 60 | 52 |
| 1.50 | 85 | 74 | 67 | 83 | 73 | 66 | 80 | 71 | 65 | 57 |
| 2.00 | 92 | 82 | 75 | 90 | 81 | 74 | 86 | 79 | 73 | 65 |
| 2.50 | 96 | 87 | 80 | 94 | 86 | 80 | 90 | 83 | 78 | 69 |
| 3.00 | 100 | 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 | 82 |
| 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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Conical surface Flux(90deg):

2412.1 lm

%lum = 48.7%

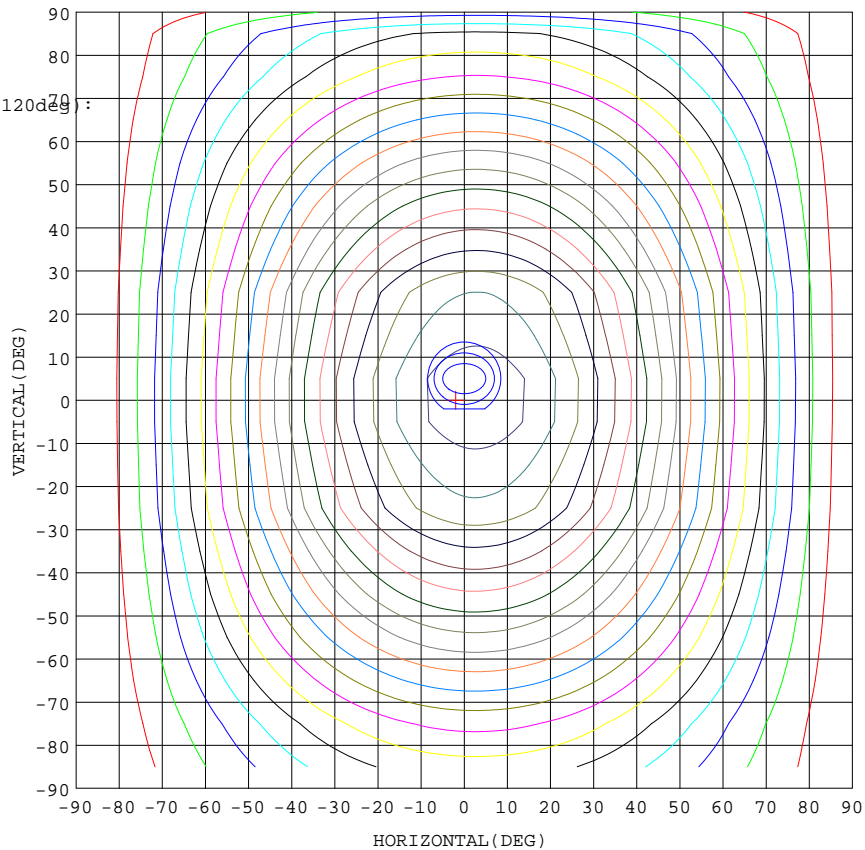
%lamp = 48.7%

Conical surface Flux(120deg):

3560.6 lm

%lum = 71.9%

%lamp = 71.9%



| | |
|-----|-------|
| 5% | 81.70 |
| 10% | 163.4 |
| 15% | 245.1 |
| 20% | 326.8 |
| 25% | 408.5 |
| 30% | 490.2 |
| 35% | 571.9 |
| 40% | 653.6 |
| 45% | 735.3 |
| 50% | 817.0 |
| 55% | 898.7 |
| 60% | 980.4 |
| 65% | 1062 |
| 70% | 1144 |
| 75% | 1226 |
| 80% | 1307 |
| 85% | 1389 |
| 90% | 1471 |
| 95% | 1552 |

1. AVG=0,MIN=0
2. AVG=1598,MIN=1558
3. AVG=1594,MIN=1543

Imax:1634(H-2.0,V0.0)
(At:C=0.0,Gamma=0.0)

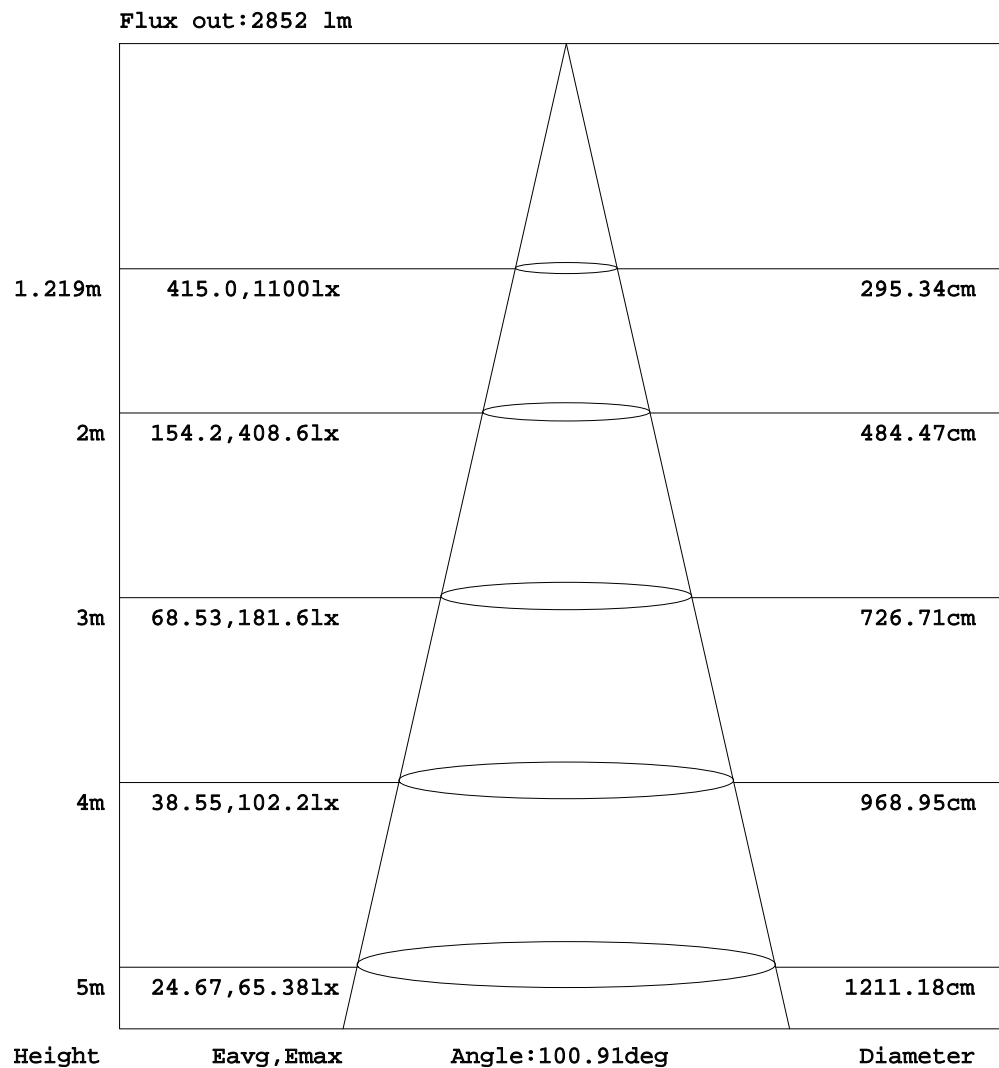
UNIT: cd

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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |



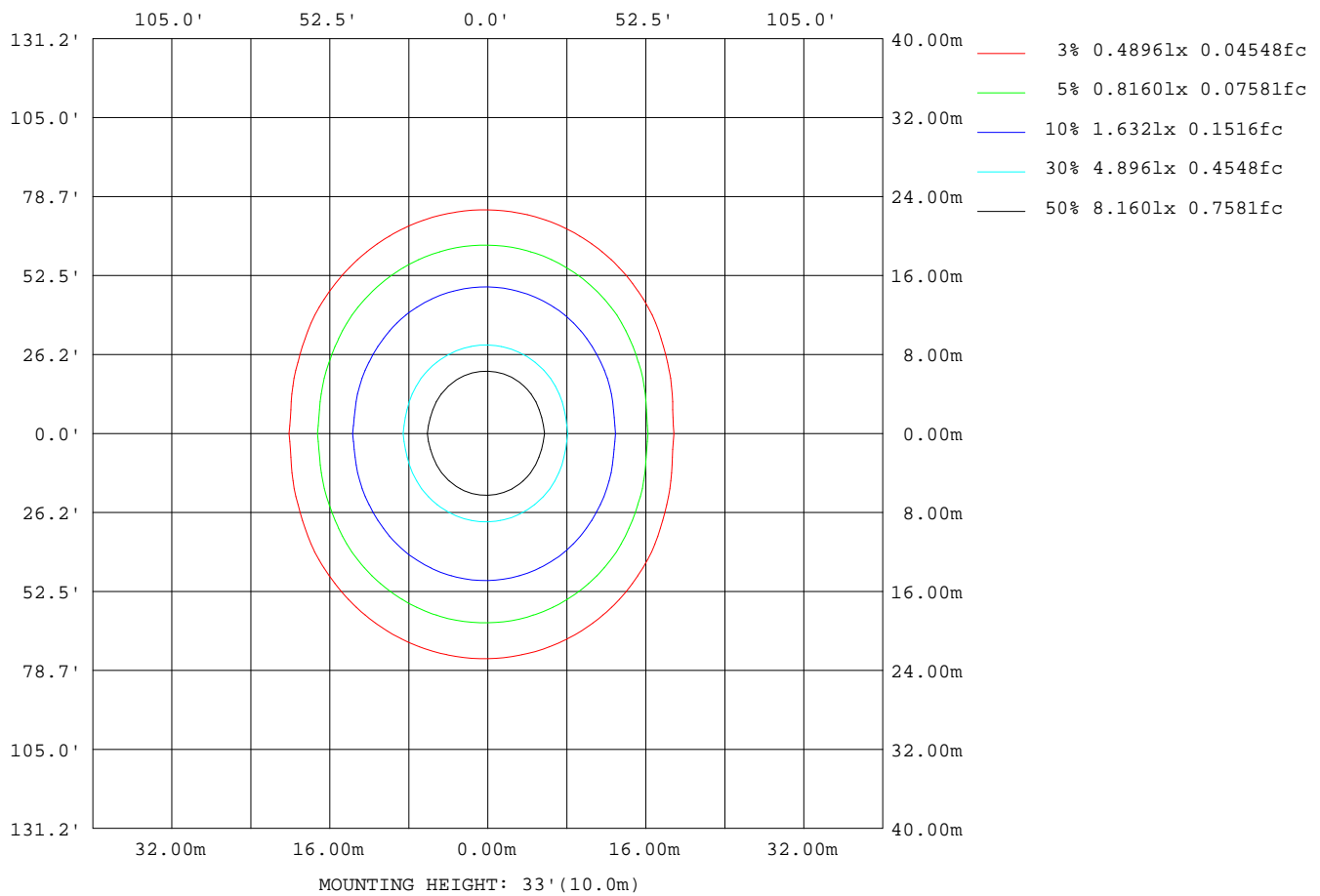
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | 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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

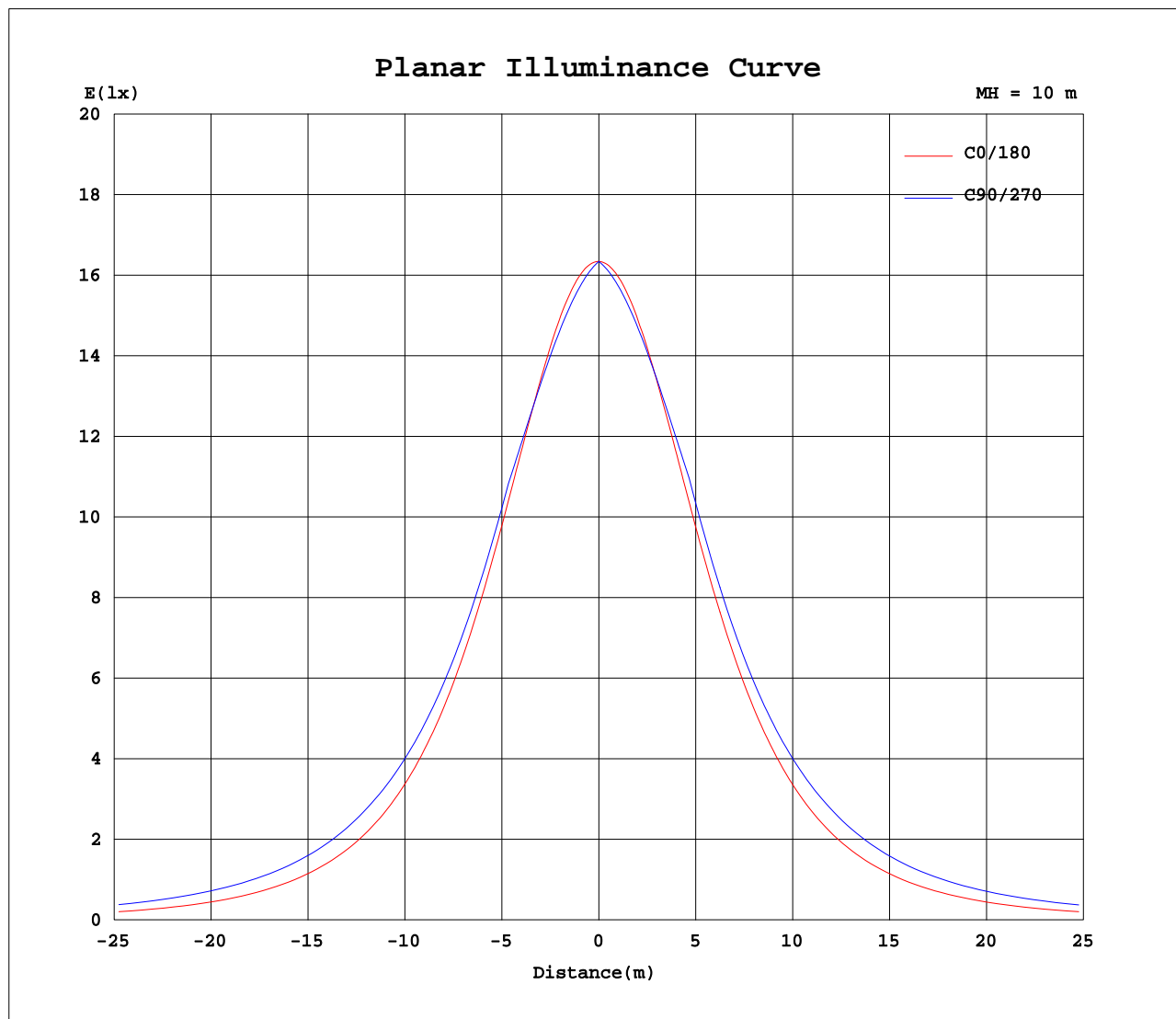
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3645 |
| L_0~180(75)av | 3003 |
| L_0~180(85)av | 2061 |
| L_90~270(65)av | 6097 |
| L_90~270(75)av | 7573 |
| L_90~270(85)av | 16871 |
| L_45(65)av | 5067 |
| L_45(75)av | 5827 |
| L_45(85)av | 11540 |

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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MLSN4-36/D10/U/35 | 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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MSLN4-36/D10/U/35 | 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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MSLN4-36/D10/U/35 | 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:0.3050A P:36.67W PF:0.9986 Lamp Flux:4952.78x1 lm | | |
| NAME: MSLN4-36/D10/U/35 | 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

```

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:

```