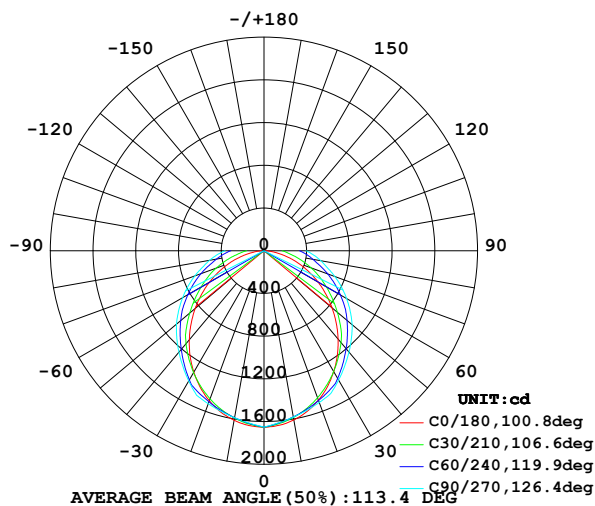


LUMINAIRE PHOTOMETRIC TEST REPORT

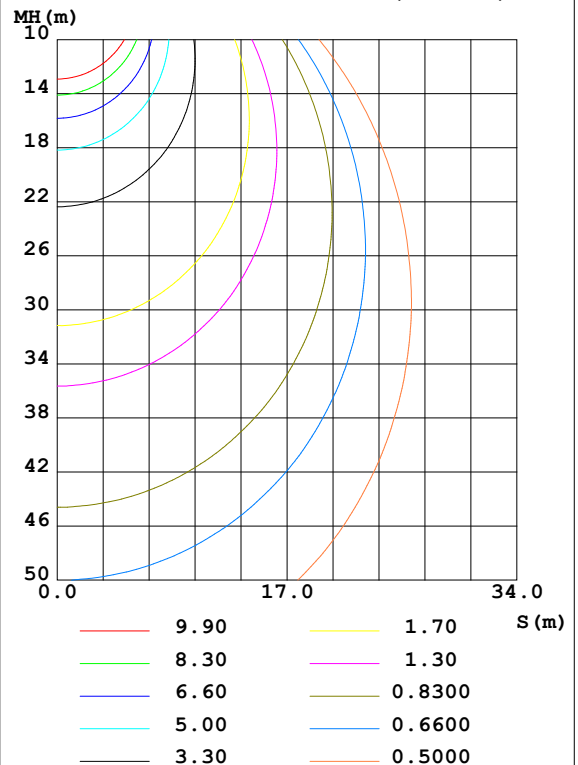
| | | |
|---|-------------------|-------------------|
| Test:U:120.4V I:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: LOC-4FTSL-MW(22/28/36/44)MCCT(35/40/50)DF | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 135.92 lm/W | | | |
|-------------------|---------|--|--------|---|-----------|
| MODEL | 5000K | I _{max} (cd) | 1652 | S/MH (C0/180) | 1.19 |
| NOMINAL POWER (W) | 36 | LOR (%) | 100.0 | S/MH (C90/270) | 1.27 |
| RATED VOLTAGE (V) | 120-277 | TOTAL FLUX (lm) | 5044.4 | <input checked="" type="checkbox"/> UP, DN (C0-180) | 0.0, 50.1 |
| NOMINAL FLUX (lm) | 5044.37 | CIE CLASS | DIRECT | <input checked="" type="checkbox"/> UP, DN (C180-360) | 0.0, 49.9 |
| 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 | $\%lum, lamp$ |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|---------------|
| 5 | 1640 | 1621 | 1616 | 1622 | 1642 | 1624 | 1619 | 1623 | 0- 5 | 39.08 | 39.08 | 0.77,0.77 |
| 10 | 1609 | 1582 | 1582 | 1584 | 1612 | 1588 | 1588 | 1586 | 5- 10 | 114.9 | 154.0 | 3.05,3.05 |
| 15 | 1558 | 1533 | 1547 | 1536 | 1564 | 1541 | 1556 | 1540 | 10- 15 | 185.8 | 339.7 | 6.74,6.74 |
| 20 | 1489 | 1477 | 1512 | 1482 | 1496 | 1490 | 1525 | 1485 | 15- 20 | 250.0 | 589.7 | 11.7,11.7 |
| 25 | 1405 | 1414 | 1478 | 1420 | 1412 | 1429 | 1493 | 1425 | 20- 25 | 306.2 | 895.9 | 17.8,17.8 |
| 30 | 1307 | 1347 | 1398 | 1354 | 1314 | 1363 | 1409 | 1360 | 25- 30 | 352.0 | 1248 | 24.7,24.7 |
| 35 | 1197 | 1266 | 1318 | 1273 | 1206 | 1282 | 1324 | 1279 | 30- 35 | 384.1 | 1632 | 32.4,32.4 |
| 40 | 1080 | 1161 | 1238 | 1168 | 1088 | 1174 | 1240 | 1170 | 35- 40 | 403.5 | 2035 | 40.4,40.4 |
| 45 | 955.8 | 1056 | 1158 | 1064 | 965.5 | 1067 | 1155 | 1063 | 40- 45 | 410.8 | 2446 | 48.5,48.5 |
| 50 | 831.9 | 954.1 | 1079 | 961.9 | 841.5 | 961.9 | 1071 | 957.5 | 45- 50 | 407.1 | 2853 | 56.6,56.6 |
| 55 | 706.7 | 854.9 | 985.5 | 864.4 | 716.1 | 861.7 | 975.3 | 857.0 | 50- 55 | 393.3 | 3247 | 64.4,64.4 |
| 60 | 583.0 | 758.2 | 892.4 | 767.4 | 590.2 | 763.7 | 880.0 | 758.9 | 55- 60 | 369.5 | 3616 | 71.7,71.7 |
| 65 | 461.8 | 655.7 | 799.3 | 663.2 | 468.1 | 658.3 | 784.6 | 654.8 | 60- 65 | 337.9 | 3954 | 78.4,78.4 |
| 70 | 344.2 | 558.5 | 706.2 | 564.0 | 349.5 | 557.9 | 689.3 | 556.1 | 65- 70 | 300.1 | 4254 | 84.3,84.3 |
| 75 | 232.5 | 466.6 | 613.1 | 469.5 | 235.3 | 462.8 | 594.0 | 462.8 | 70- 75 | 257.9 | 4512 | 89.4,89.4 |
| 80 | 131.8 | 382.8 | 540.3 | 383.6 | 134.3 | 375.4 | 517.6 | 376.8 | 75- 80 | 214.9 | 4727 | 93.7,93.7 |
| 85 | 52.21 | 319.6 | 467.5 | 318.2 | 56.04 | 307.8 | 441.1 | 308.7 | 80- 85 | 175.9 | 4903 | 97.2,97.2 |
| 90 | 15.55 | 260.1 | 394.8 | 256.2 | 22.76 | 243.5 | 364.6 | 244.0 | 85- 90 | 141.5 | 5044 | 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 | | |

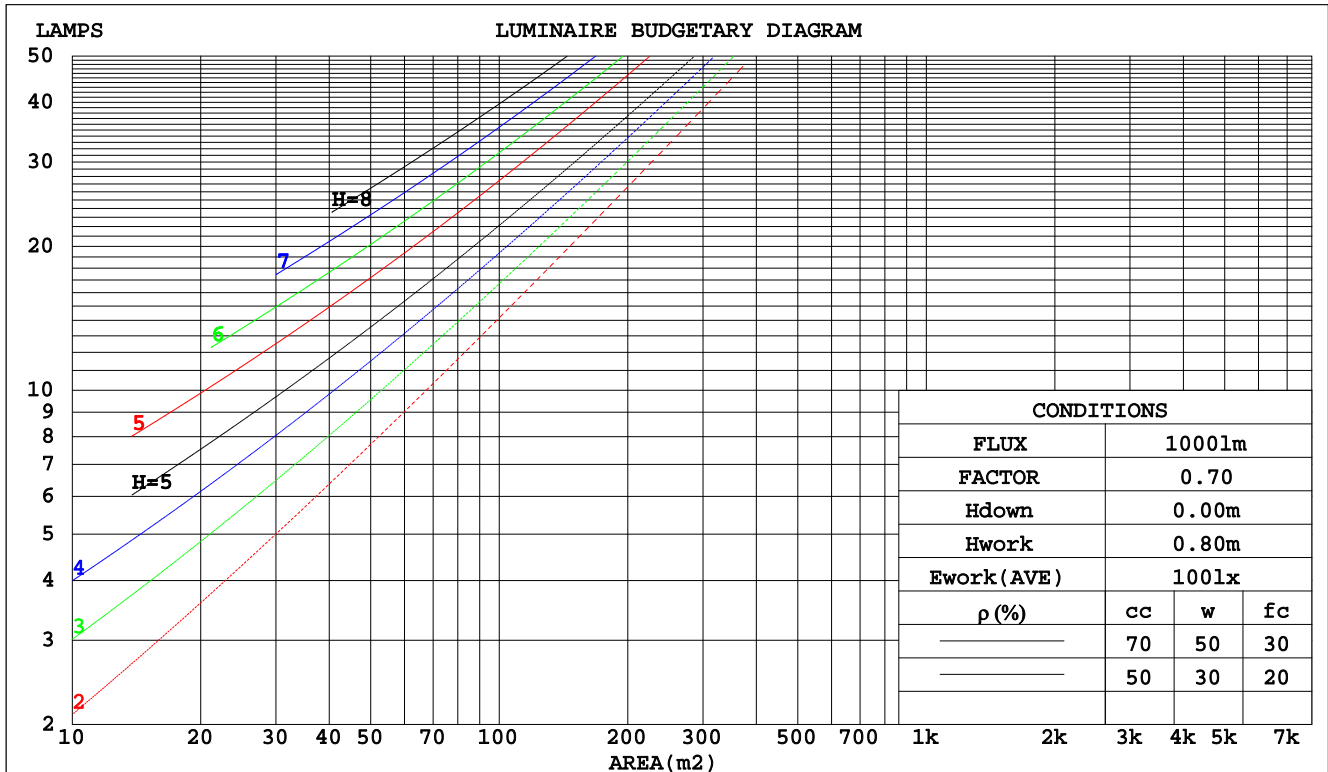
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 γ 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | 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 | .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 | .49 | .42 | .54 | .47 | .42 | .52 | .46 | .41 | .39 |
| 6.0 | .54 | .44 | .38 | .53 | .44 | .37 | .51 | .43 | .37 | .49 | .42 | .37 | .48 | .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 | .30 | .44 | .35 | .29 | .42 | .35 | .29 | .41 | .34 | .29 | .40 | .34 | .29 | .27 |
| 9.0 | .41 | .32 | .27 | .40 | .32 | .26 | .39 | .32 | .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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | | | | |
| NAME: MLSN4-36/D10/U/50 | | | 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 | .325 | .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 | .040 | .260 | .136 | .040 | .251 | .133 | .040 | .242 | .130 | .039 | .234 | .127 | .039 | | |
| 5.0 | .242 | .123 | .036 | .238 | .122 | .036 | .229 | .119 | .035 | .221 | .117 | .035 | .214 | .114 | .034 | | |
| 6.0 | .222 | .112 | .032 | .219 | .110 | .032 | .211 | .108 | .031 | .204 | .106 | .031 | .198 | .104 | .031 | | |
| 7.0 | .206 | .102 | .029 | .202 | .101 | .029 | .196 | .099 | .028 | .189 | .097 | .028 | .184 | .095 | .028 | | |
| 8.0 | .191 | .093 | .026 | .188 | .093 | .026 | .182 | .091 | .026 | .177 | .090 | .026 | .171 | .088 | .026 | | |
| 9.0 | .179 | .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 | .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 | .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 | .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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | | | | | | | | | | |
| NAME: MLSN4-36/D10/U/50 | | | | | 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 | 19.1 | 20.7 | 19.4 | 20.9 | 21.1 | |
| | 3H | 18.6 | 20.1 | 18.9 | 20.3 | 20.6 | 21.4 | 22.9 | 21.7 | 23.1 | |
| | 4H | 19.1 | 20.5 | 19.4 | 20.8 | 21.1 | 22.6 | 24.0 | 22.9 | 24.3 | |
| | 6H | 19.5 | 20.8 | 19.8 | 21.1 | 21.4 | 24.0 | 25.3 | 24.3 | 25.6 | |
| | 8H | 19.5 | 20.8 | 19.9 | 21.1 | 21.4 | 24.7 | 26.0 | 25.1 | 26.3 | |
| | 12H | 19.6 | 20.8 | 19.9 | 21.1 | 21.4 | 25.6 | 26.8 | 25.9 | 27.1 | |
| 4H | 2H | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 | 19.7 | 21.1 | 20.0 | 21.3 | |
| | 3H | 19.9 | 21.2 | 20.3 | 21.5 | 21.8 | 22.2 | 23.5 | 22.6 | 23.8 | |
| | 4H | 20.6 | 21.8 | 21.0 | 22.1 | 22.4 | 23.6 | 24.8 | 24.0 | 25.1 | |
| | 6H | 21.1 | 22.1 | 21.5 | 22.5 | 22.9 | 25.2 | 26.2 | 25.6 | 26.6 | |
| | 8H | 21.2 | 22.2 | 21.7 | 22.6 | 23.0 | 26.1 | 27.1 | 26.5 | 27.4 | |
| | 12H | 21.3 | 22.2 | 21.8 | 22.6 | 23.0 | 27.1 | 28.0 | 27.5 | 28.4 | |
| 8H | 4H | 21.5 | 22.4 | 21.9 | 22.8 | 23.2 | 23.9 | 24.9 | 24.4 | 25.3 | |
| | 6H | 22.3 | 23.1 | 22.7 | 23.5 | 24.0 | 25.8 | 26.6 | 26.3 | 27.1 | |
| | 8H | 22.6 | 23.4 | 23.1 | 23.8 | 24.3 | 26.9 | 27.7 | 27.4 | 28.1 | |
| | 12H | 22.9 | 23.5 | 23.4 | 24.0 | 24.5 | 28.2 | 28.8 | 28.7 | 29.3 | |
| 12H | 4H | 21.7 | 22.6 | 22.1 | 23.0 | 23.4 | 24.0 | 24.9 | 24.4 | 25.3 | |
| | 6H | 22.8 | 23.5 | 23.2 | 23.9 | 24.4 | 25.9 | 26.7 | 26.4 | 27.1 | |
| | 8H | 23.3 | 23.9 | 23.7 | 24.4 | 24.8 | 27.1 | 27.8 | 27.6 | 28.2 | |
| 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 5044 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | 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 | 52 | 45 | 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

Conical surface Flux(90deg):

2446.3 lm

%lum = 48.5%

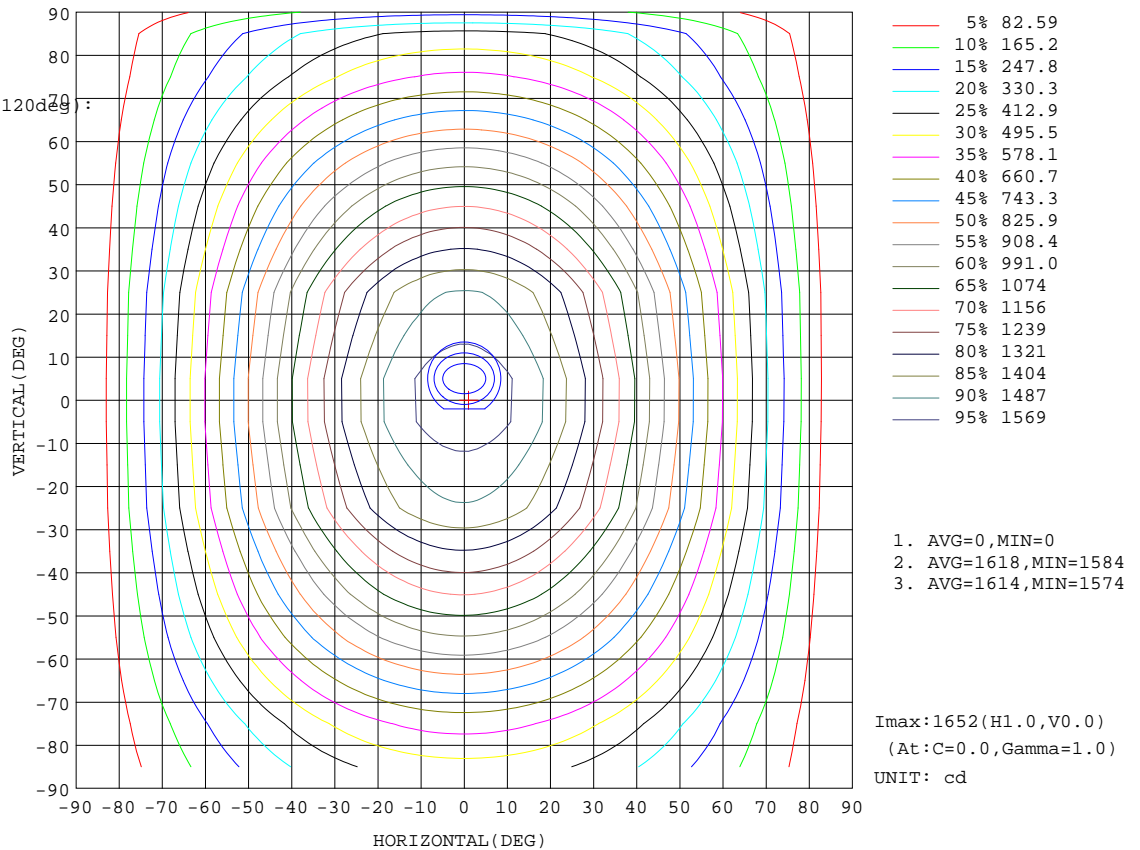
%lamp = 48.5%

Conical surface Flux(120deg):

3616.2 lm

%lum = 71.7%

%lamp = 71.7%

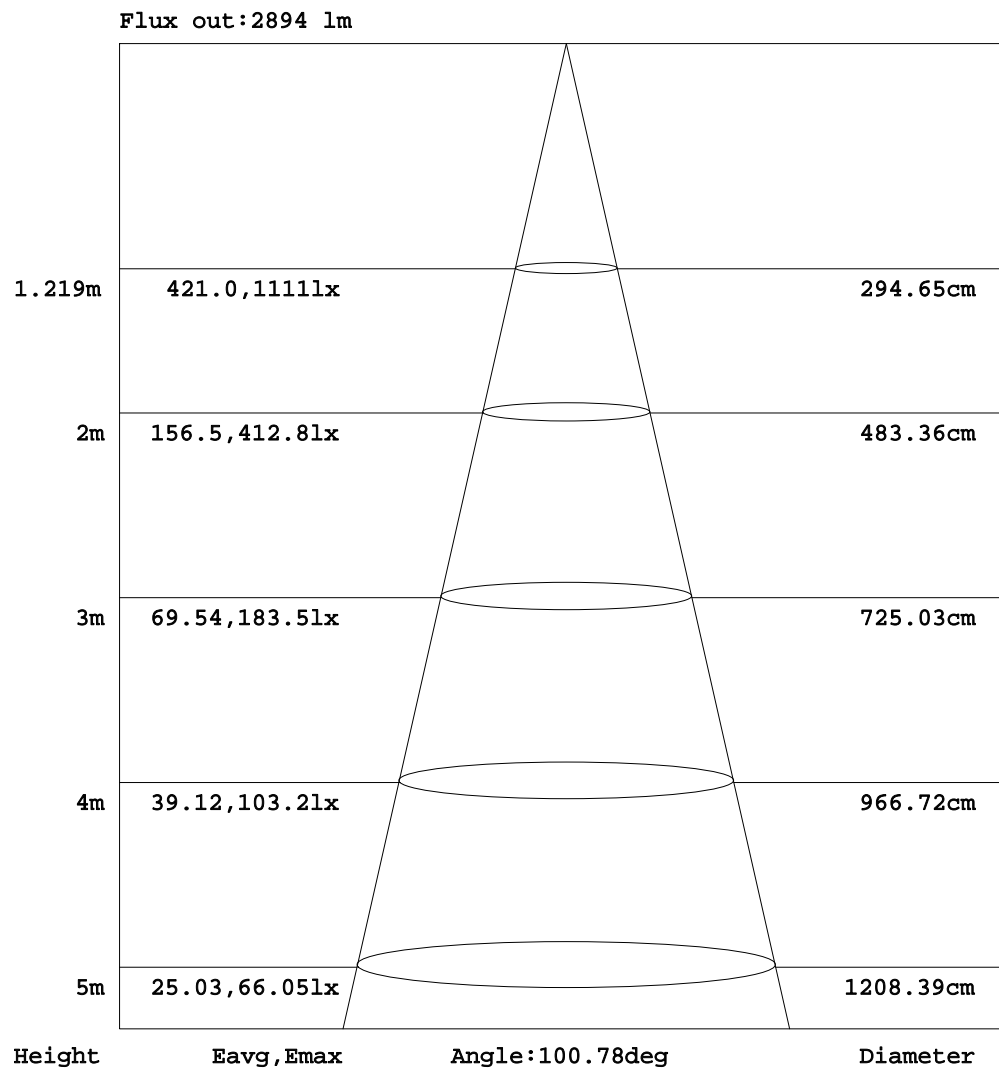


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-06-16

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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |



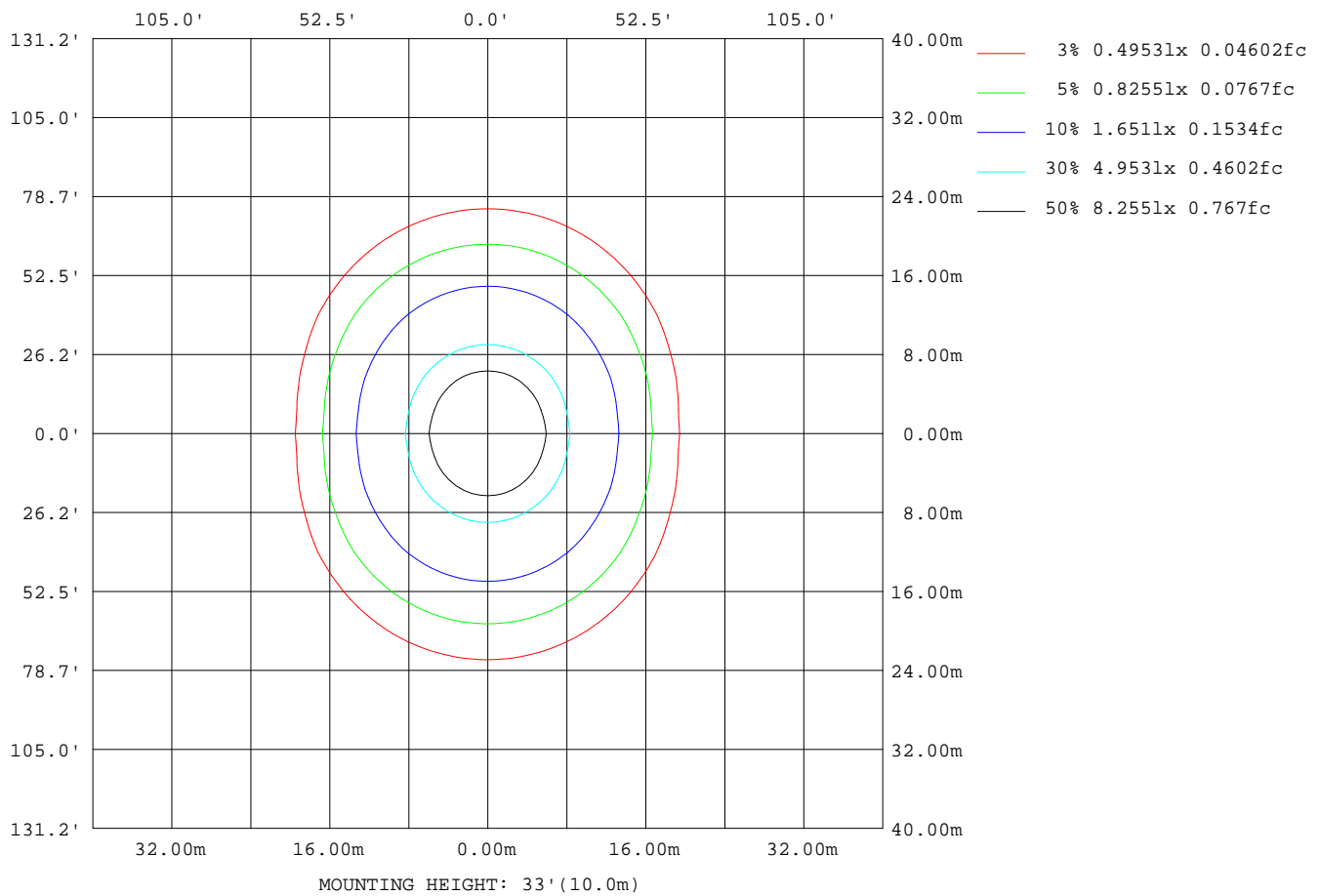
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:1182*66*14mm | PROTECTION ANGLE: |

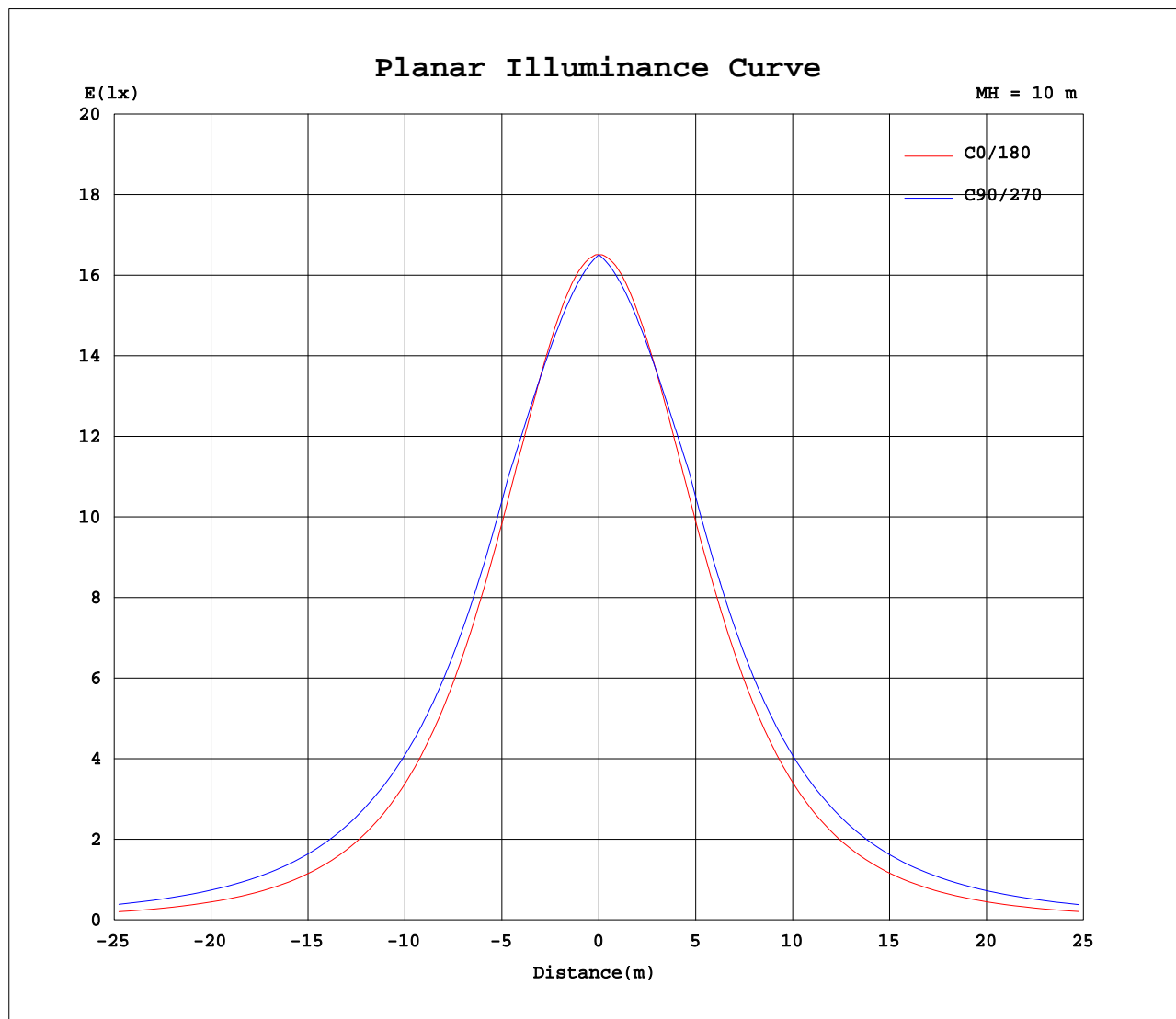
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3667 |
| L_0~180(75)av | 3012 |
| L_0~180(85)av | 2070 |
| L_90~270(65)av | 6247 |
| L_90~270(75)av | 7773 |
| L_90~270(85)av | 17375 |
| L_45(65)av | 5190 |
| L_45(75)av | 5994 |
| L_45(85)av | 11993 |

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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MLSN4-36/D10/U/50 | 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MSLN4-36/D10/U/50 | 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:0.3087A P:37.11W PF:0.9986 Lamp Flux:5044.37x1 lm | | |
| NAME: MSLN4-36/D10/U/50 | 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:

```

