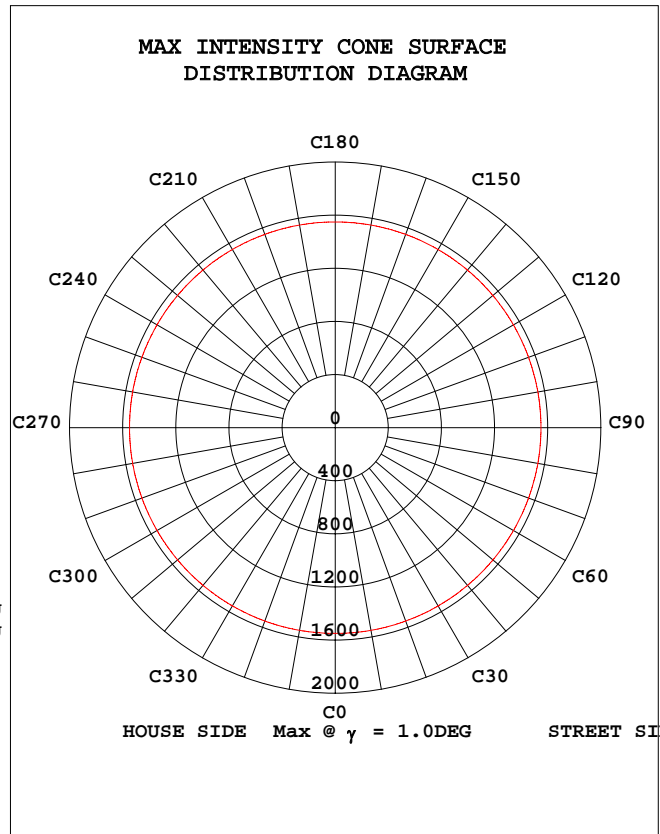
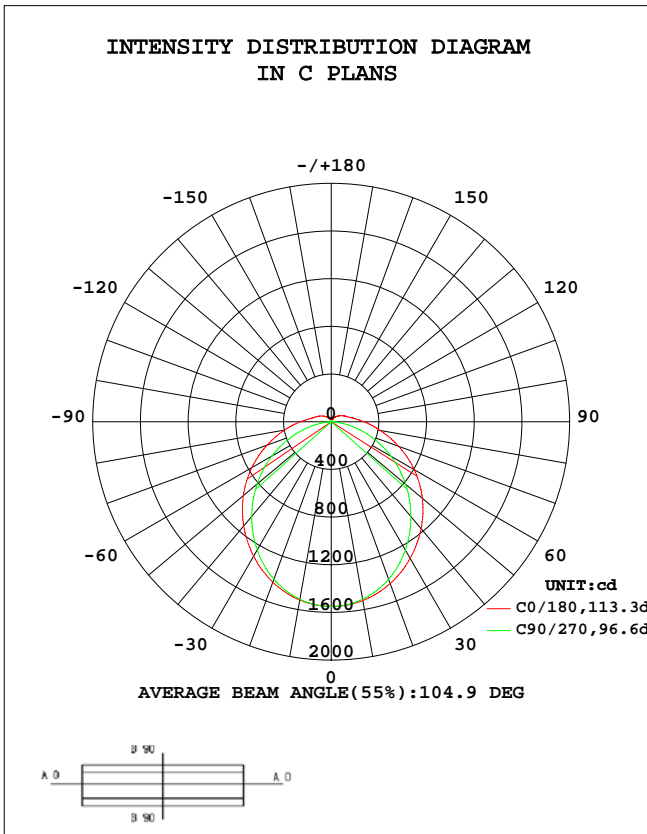


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|---|--------|-------------------|
| Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm | | |
| NAME: ASD-LVP3SM-4N3850PRM | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 130.83 lm/W | | | |
|------------------|----------------------|-----------------------------------|---------|------------------|---------|
| MODEL | ASD-LVP3SM-4N3850PRM | I _{max} (cd) | 1550 | η street_up(%) | 3.8 |
| NOMINAL POWER(W) | 38 | LOR(%) | 100.0 | η street_down(%) | 46.0 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 5006 | η house_up(%) | 3.8 |
| NOMINAL FLUX(lm) | 5005.56 | MAXIMUM @(C,γ) | 225,1.0 | η house_down(%) | 46.5 |
| LAMPS INSIDE | 1 | η up(%) | 7.6 | 76 FLASHAREA(m2) | 0.05000 |
| TEST VOLTAGE(V) | 120.3 | η down(%) | 92.4 | SLI | 21.238 |



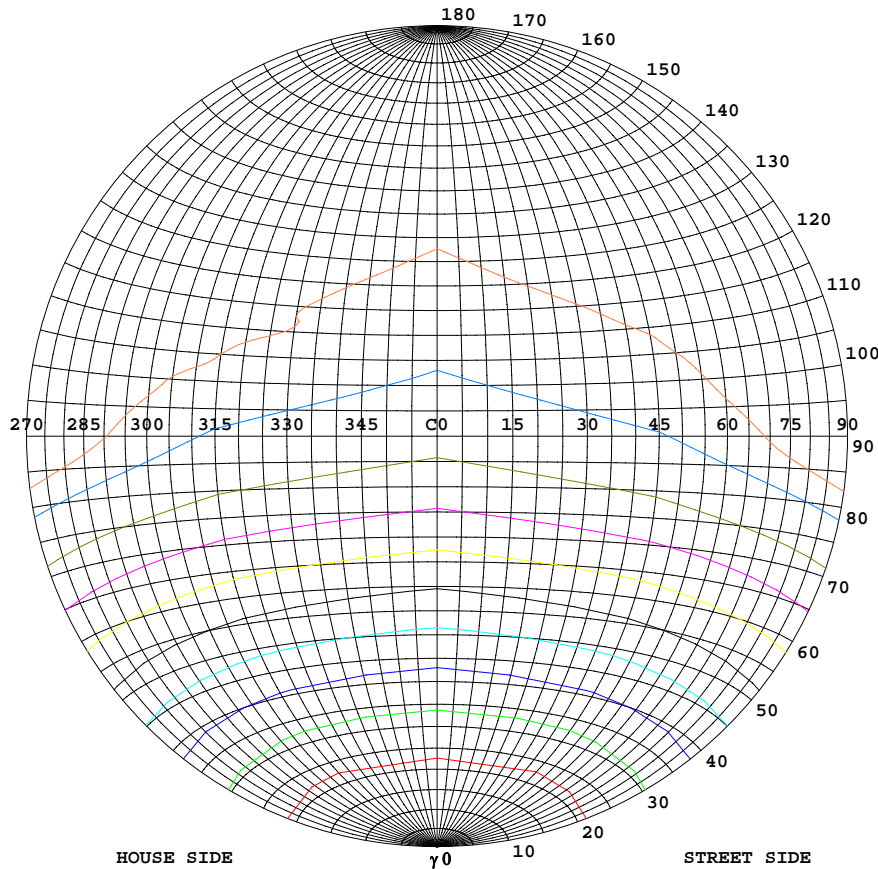
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm | | |
| NAME: ASD-LVP3SM-4N3850PRM | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | PROTECTION ANGLE: |



Classification:

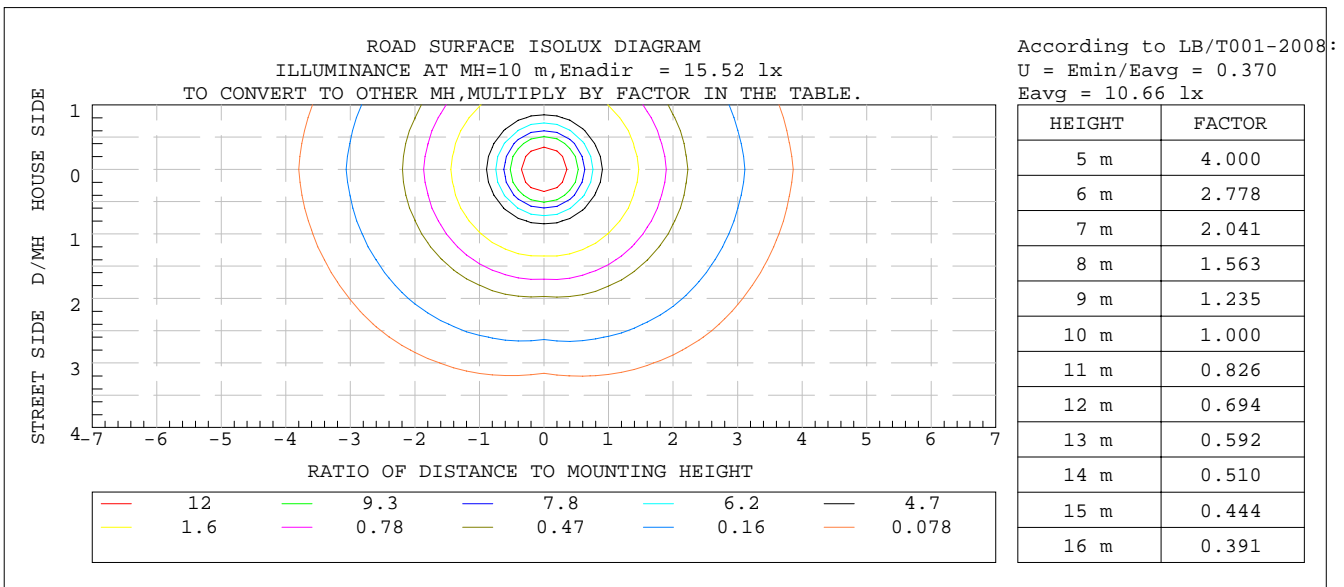
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:82.99cd/klm
 Max.At90:55.07cd/klm
 Max.80-90:82.99cd/klm
 NRB 5101:Limited[9.7%]

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 1550 |
| 90% | 1395 |
| 80% | 1240 |
| 70% | 1085 |
| 60% | 930 |
| 50% | 775 |
| 40% | 620 |
| 30% | 465 |
| 20% | 310 |
| 10% | 155 |
| 5% | 77 |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:
 Test Date:2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:70%
 Test Distance:9.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 26DEG
Operators:
Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 70%
Test Distance: 9.000m [K=1.000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm | | |
| NAME: ASD-LVP3SM-4N3850PRM | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | PROTECTION ANGLE: |

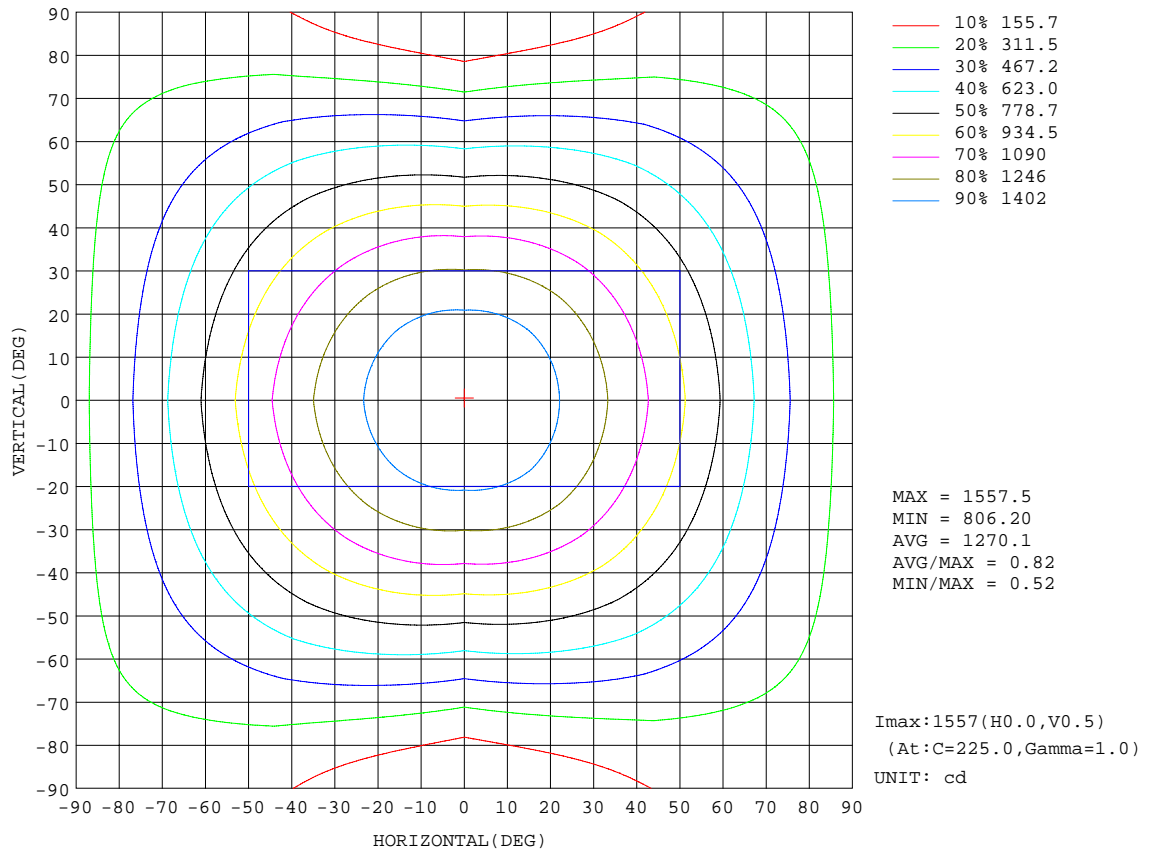
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10 | 1519 | 1520 | 1513 | 1519 | 1523 | 1519 | 1513 | 1519 | 0- 10 | 146.4 | 146.4 | 2.92,2.92 |
| 20 | 1433 | 1427 | 1406 | 1431 | 1445 | 1429 | 1407 | 1428 | 10- 20 | 417.1 | 563.6 | 11.3,11.3 |
| 30 | 1303 | 1282 | 1243 | 1291 | 1324 | 1287 | 1243 | 1283 | 20- 30 | 626.3 | 1190 | 23.8,23.8 |
| 40 | 1142 | 1100 | 1038 | 1114 | 1173 | 1110 | 1040 | 1103 | 30- 40 | 748.0 | 1938 | 38.7,38.7 |
| 50 | 962.5 | 899.3 | 810.9 | 917.1 | 998.0 | 912.1 | 813.8 | 902.4 | 40- 50 | 774.8 | 2713 | 54.2,54.2 |
| 60 | 769.4 | 689.3 | 573.9 | 708.4 | 803.7 | 704.2 | 579.1 | 694.2 | 50- 60 | 712.7 | 3425 | 68.4,68.4 |
| 70 | 572.1 | 478.9 | 336.6 | 497.4 | 601.2 | 495.1 | 342.8 | 486.3 | 60- 70 | 576.9 | 4002 | 80,80 |
| 80 | 395.8 | 290.6 | 117.6 | 307.0 | 415.4 | 305.5 | 125.7 | 299.5 | 70- 80 | 396.7 | 4399 | 87.9,87.9 |
| 90 | 258.6 | 161.5 | 1.451 | 177.0 | 275.7 | 173.3 | 1.528 | 167.6 | 80- 90 | 227.9 | 4627 | 92.4,92.4 |
| 100 | 171.1 | 101.9 | 1.992 | 111.9 | 183.3 | 107.5 | 2.058 | 102.0 | 90-100 | 132.1 | 4759 | 95.1,95.1 |
| 110 | 129.0 | 73.66 | 3.248 | 82.66 | 133.6 | 79.72 | 2.829 | 56.33 | 100-110 | 87.56 | 4847 | 96.8,96.8 |
| 120 | 97.95 | 49.51 | 4.860 | 61.35 | 103.4 | 60.03 | 4.085 | 48.31 | 110-120 | 61.40 | 4908 | 98.1,98.1 |
| 130 | 72.23 | 33.18 | 6.277 | 46.38 | 75.86 | 45.53 | 5.404 | 31.07 | 120-130 | 41.50 | 4949 | 98.9,98.9 |
| 140 | 50.58 | 21.87 | 7.420 | 35.05 | 53.93 | 34.38 | 6.651 | 20.42 | 130-140 | 26.28 | 4976 | 99.4,99.4 |
| 150 | 33.36 | 15.03 | 9.217 | 26.95 | 36.38 | 26.65 | 8.832 | 13.82 | 140-150 | 15.66 | 4991 | 99.7,99.7 |
| 160 | 21.10 | 12.47 | 10.76 | 20.51 | 24.87 | 20.55 | 10.38 | 11.93 | 150-160 | 8.725 | 5000 | 99.9,99.9 |
| 170 | 13.80 | 11.53 | 11.84 | 14.94 | 16.24 | 15.14 | 11.57 | 10.90 | 160-170 | 4.245 | 5004 | 100,100 |
| 180 | 9.340 | 12.23 | 12.43 | 11.85 | 9.348 | 12.23 | 12.43 | 11.84 | 170-180 | 1.181 | 5006 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:
 Test Date:2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:70%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

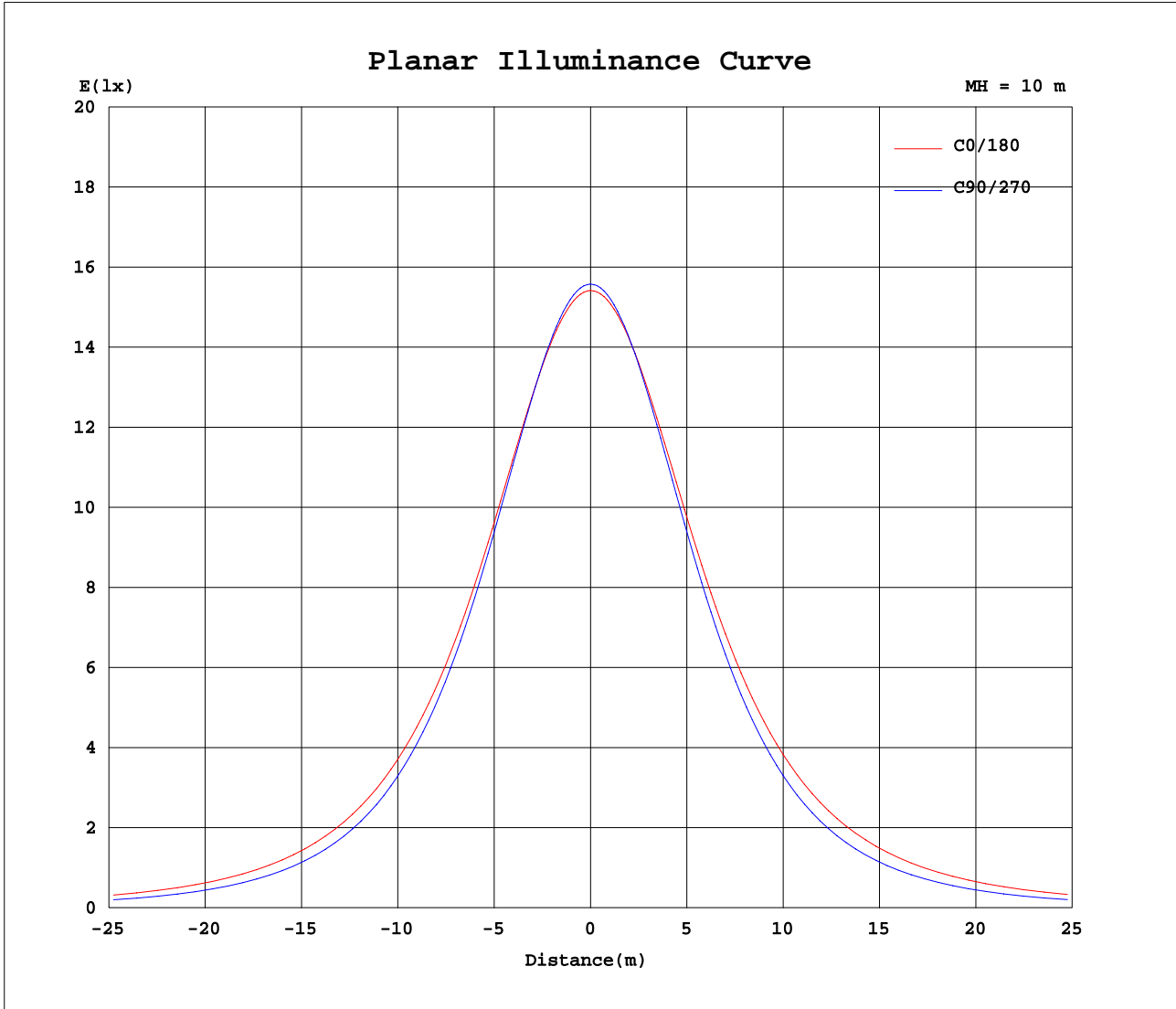
| | | |
|---|--------|-------------------|
| Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm | | |
| NAME: ASD-LVP3SM-4N3850PRM | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators:
 Test Date: 2019-08-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 70%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:120.3V I:0.3248A P:38.26W PF:0.9789 Lamp Flux:5005.56x1 lm | | |
| NAME: ASD-LVP3SM-4N3850PRM | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 | | | | | | | | | | | |
| 5 | 1541 | 1543 | 1540 | 1542 | 1543 | 1542 | 1540 | 1542 | | | | | | | | | | | |
| 10 | 1519 | 1520 | 1513 | 1519 | 1523 | 1519 | 1513 | 1519 | | | | | | | | | | | |
| 15 | 1482 | 1481 | 1468 | 1482 | 1490 | 1481 | 1468 | 1481 | | | | | | | | | | | |
| 20 | 1433 | 1427 | 1406 | 1431 | 1445 | 1429 | 1407 | 1428 | | | | | | | | | | | |
| 25 | 1372 | 1360 | 1331 | 1367 | 1390 | 1364 | 1331 | 1361 | | | | | | | | | | | |
| 30 | 1303 | 1282 | 1243 | 1291 | 1324 | 1287 | 1243 | 1283 | | | | | | | | | | | |
| 35 | 1225 | 1195 | 1144 | 1206 | 1252 | 1202 | 1145 | 1196 | | | | | | | | | | | |
| 40 | 1142 | 1100 | 1038 | 1114 | 1173 | 1110 | 1040 | 1103 | | | | | | | | | | | |
| 45 | 1055 | 1002 | 927 | 1018 | 1088 | 1013 | 929 | 1004 | | | | | | | | | | | |
| 50 | 962 | 899 | 811 | 917 | 998 | 912 | 814 | 902 | | | | | | | | | | | |
| 55 | 868 | 795 | 693 | 814 | 903 | 809 | 697 | 799 | | | | | | | | | | | |
| 60 | 769 | 689 | 574 | 708 | 804 | 704 | 579 | 694 | | | | | | | | | | | |
| 65 | 670 | 584 | 455 | 603 | 702 | 599 | 459 | 590 | | | | | | | | | | | |
| 70 | 572 | 479 | 337 | 497 | 601 | 495 | 343 | 486 | | | | | | | | | | | |
| 75 | 480 | 379 | 222 | 397 | 505 | 396 | 230 | 388 | | | | | | | | | | | |
| 80 | 396 | 291 | 118 | 307 | 415 | 306 | 126 | 299 | | | | | | | | | | | |
| 85 | 322 | 218 | 35.0 | 233 | 340 | 230 | 41.2 | 225 | | | | | | | | | | | |
| 90 | 259 | 161 | 1.45 | 177 | 276 | 173 | 1.53 | 168 | | | | | | | | | | | |
| 95 | 208 | 123 | 1.38 | 137 | 224 | 134 | 1.49 | 128 | | | | | | | | | | | |
| 100 | 171 | 102 | 1.99 | 112 | 183 | 108 | 2.06 | 102 | | | | | | | | | | | |
| 105 | 147 | 87.0 | 2.56 | 95.7 | 153 | 92.1 | 2.33 | 77.6 | | | | | | | | | | | |
| 110 | 129 | 73.7 | 3.25 | 82.7 | 134 | 79.7 | 2.83 | 56.3 | | | | | | | | | | | |
| 115 | 113 | 62.1 | 4.03 | 70.4 | 118 | 69.1 | 3.44 | 57.0 | | | | | | | | | | | |
| 120 | 97.9 | 49.5 | 4.86 | 61.3 | 103 | 60.0 | 4.08 | 48.3 | | | | | | | | | | | |
| 125 | 84.6 | 40.1 | 5.61 | 53.2 | 89.5 | 52.3 | 4.75 | 38.4 | | | | | | | | | | | |
| 130 | 72.2 | 33.2 | 6.28 | 46.4 | 75.9 | 45.5 | 5.40 | 31.1 | | | | | | | | | | | |
| 135 | 60.9 | 26.9 | 6.88 | 40.3 | 64.4 | 39.6 | 5.98 | 24.6 | | | | | | | | | | | |
| 140 | 50.6 | 21.9 | 7.42 | 35.0 | 53.9 | 34.4 | 6.65 | 20.4 | | | | | | | | | | | |
| 145 | 41.3 | 18.1 | 8.38 | 30.5 | 44.5 | 30.1 | 8.04 | 16.7 | | | | | | | | | | | |
| 150 | 33.4 | 15.0 | 9.22 | 26.9 | 36.4 | 26.7 | 8.83 | 13.8 | | | | | | | | | | | |
| 155 | 26.6 | 13.3 | 10.1 | 23.5 | 30.2 | 23.4 | 9.63 | 12.6 | | | | | | | | | | | |
| 160 | 21.1 | 12.5 | 10.8 | 20.5 | 24.9 | 20.5 | 10.4 | 11.9 | | | | | | | | | | | |
| 165 | 16.8 | 11.9 | 11.3 | 17.6 | 20.2 | 18.0 | 11.0 | 11.2 | | | | | | | | | | | |
| 170 | 13.8 | 11.5 | 11.8 | 14.9 | 16.2 | 15.1 | 11.6 | 10.9 | | | | | | | | | | | |
| 175 | 10.9 | 11.4 | 12.2 | 13.1 | 10.4 | 13.3 | 12.1 | 11.1 | | | | | | | | | | | |
| 180 | 9.34 | 12.2 | 12.4 | 11.9 | 9.35 | 12.2 | 12.4 | 11.8 | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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γ Range: 0 - 180DEG
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