

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1313515

Luminaire Tested: LDSQA3D09R309727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

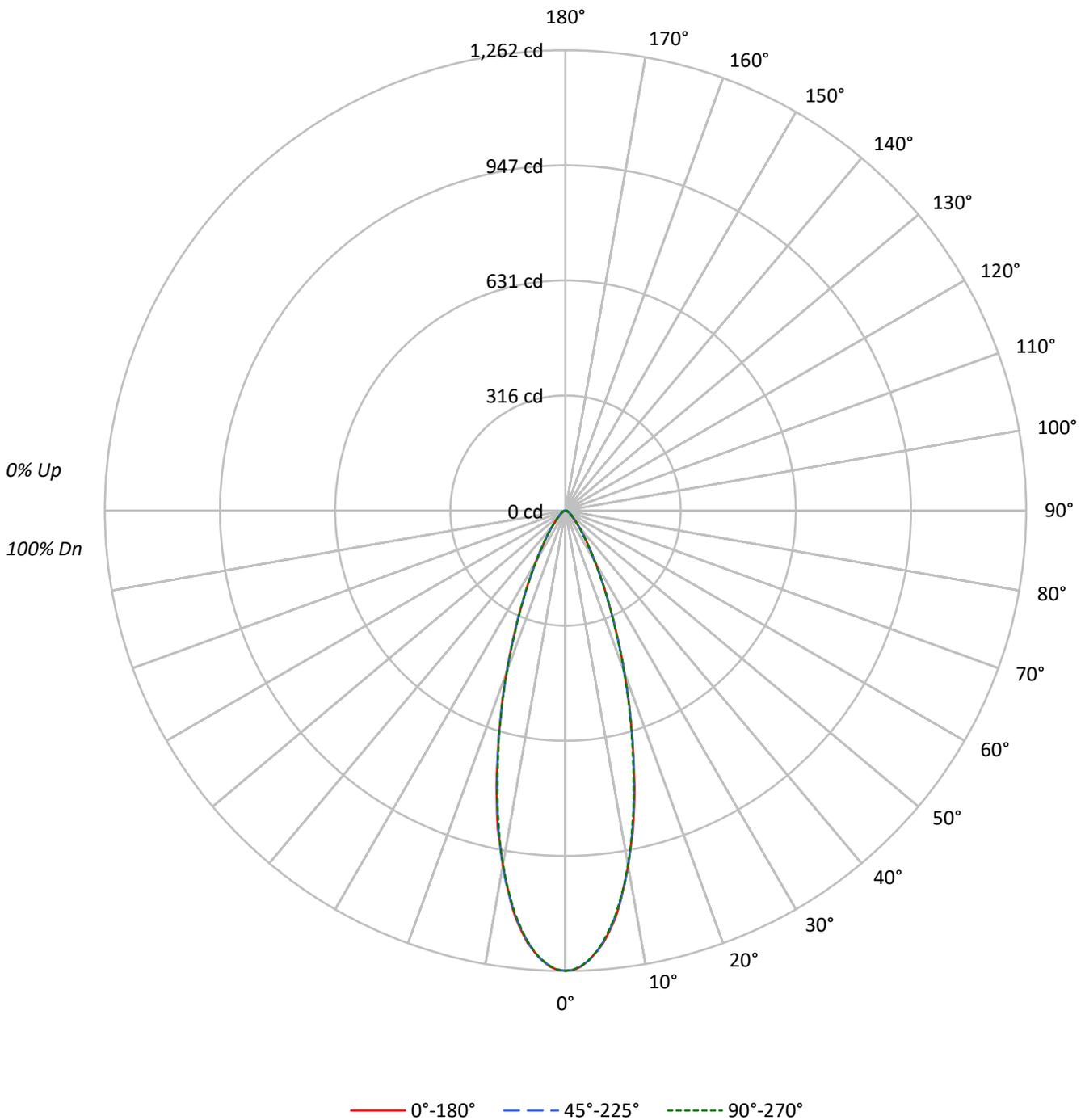
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1313515
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 93 | 91 | 90 | 88 |
| 3 | 103 | 97 | 93 | 89 | 101 | 96 | 92 | 88 | 93 | 90 | 87 | 91 | 88 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 82 | 89 | 84 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 85 | 82 | 79 | 78 |
| 5 | 95 | 87 | 81 | 77 | 93 | 86 | 81 | 77 | 84 | 80 | 76 | 82 | 79 | 76 | 81 | 78 | 75 | 81 | 78 | 75 | 74 |
| 6 | 90 | 82 | 77 | 73 | 89 | 82 | 76 | 73 | 80 | 76 | 72 | 79 | 75 | 72 | 77 | 74 | 71 | 77 | 74 | 71 | 70 |
| 7 | 87 | 78 | 73 | 69 | 86 | 78 | 72 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 71 | 68 | 74 | 71 | 68 | 66 |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 65 | 63 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 | 68 | 65 | 62 | 61 |
| 10 | 77 | 68 | 63 | 60 | 76 | 68 | 63 | 60 | 67 | 63 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 58 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 217259 | 217259 | 217259 |
| 5° | 205676 | 205157 | 205054 |
| 10° | 172798 | 172798 | 172151 |
| 15° | 128749 | 128410 | 127644 |
| 20° | 86158 | 85718 | 85828 |
| 25° | 53112 | 52998 | 53226 |
| 30° | 31938 | 31938 | 32057 |
| 35° | 19595 | 19595 | 19721 |
| 40° | 12410 | 12410 | 12680 |
| 45° | 8500 | 8671 | 8671 |
| 50° | 6243 | 6243 | 6243 |
| 55° | 4774 | 4954 | 4954 |
| 60° | 3996 | 3996 | 4237 |
| 65° | 3505 | 3505 | 3505 |
| 70° | 3072 | 3374 | 3374 |
| 75° | 2861 | 2861 | 2861 |
| 80° | 2479 | 2479 | 2479 |
| 85° | 1186 | 1186 | 1186 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8671 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.9 | 19.3 |
| 10°-20° | 197.5 | 35.6 |
| 20°-30° | 131.3 | 23.7 |
| 30°-40° | 60.7 | 11.0 |
| 40°-50° | 28.2 | 5.1 |
| 50°-60° | 15.0 | 2.7 |
| 60°-70° | 8.8 | 1.6 |
| 70°-80° | 4.7 | 0.8 |
| 80°-90° | 1.0 | 0.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 435.7 | 78.6 |
| 0°-40° | 496.3 | 89.6 |
| 0°-60° | 539.6 | 97.4 |
| 0°-90° | 554.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 554.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1262 | 1262 | 1262 | 1262 | 1262 | |
| 5° | 1190 | 1187 | 1187 | 1190 | 1186 | 107 |
| 15° | 722 | 724 | 720 | 720 | 716 | 198 |
| 25° | 280 | 279 | 279 | 279 | 280 | 131 |
| 35° | 93 | 93 | 93 | 94 | 94 | 60 |
| 45° | 35 | 35 | 36 | 36 | 36 | 28 |
| 55° | 16 | 16 | 16 | 16 | 16 | 15 |
| 65° | 9 | 9 | 9 | 9 | 9 | 9 |
| 75° | 4 | 4 | 4 | 4 | 4 | 5 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313515

CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1261.5 | 1261.5 | 1261.5 | 1261.5 | 1261.5 |
| 1° | 1259.0 | 1257.8 | 1259.0 | 1260.8 | 1258.4 |
| 2° | 1250.4 | 1249.2 | 1249.2 | 1251.7 | 1249.2 |
| 3° | 1233.9 | 1235.1 | 1234.5 | 1236.9 | 1232.7 |
| 4° | 1213.0 | 1212.4 | 1214.9 | 1216.1 | 1212.4 |
| 5° | 1189.7 | 1187.3 | 1186.7 | 1189.7 | 1186.1 |
| 6° | 1157.9 | 1156.0 | 1154.8 | 1158.5 | 1153.6 |
| 7° | 1123.5 | 1122.3 | 1120.5 | 1121.7 | 1118.0 |
| 8° | 1081.3 | 1080.6 | 1079.4 | 1080.6 | 1076.3 |
| 9° | 1034.1 | 1034.1 | 1036.5 | 1035.9 | 1033.4 |
| 10° | 988.1 | 989.3 | 988.1 | 989.3 | 984.4 |
| 11° | 936.6 | 936.6 | 937.8 | 937.2 | 937.8 |
| 12° | 891.8 | 886.9 | 885.7 | 884.5 | 880.8 |
| 13° | 834.2 | 830.6 | 829.3 | 830.6 | 828.7 |
| 14° | 781.5 | 779.1 | 772.9 | 774.2 | 771.7 |
| 15° | 722.1 | 724.5 | 720.2 | 720.2 | 715.9 |
| 17.5° | 590.3 | 587.8 | 589.0 | 589.7 | 587.8 |
| 20° | 470.1 | 468.9 | 467.7 | 466.5 | 468.3 |
| 22.5° | 365.3 | 365.9 | 364.7 | 363.5 | 362.3 |
| 25° | 279.5 | 278.9 | 278.9 | 278.9 | 280.1 |
| 27.5° | 212.1 | 212.1 | 212.1 | 212.7 | 212.7 |
| 30° | 160.6 | 159.4 | 160.6 | 161.2 | 161.2 |
| 32.5° | 120.1 | 121.4 | 122.0 | 122.0 | 122.0 |
| 35° | 93.2 | 92.6 | 93.2 | 93.8 | 93.8 |
| 37.5° | 71.1 | 71.1 | 71.7 | 71.7 | 72.3 |
| 40° | 55.2 | 55.2 | 55.2 | 55.8 | 56.4 |
| 42.5° | 43.5 | 43.5 | 44.1 | 44.1 | 44.7 |
| 45° | 34.9 | 34.9 | 35.6 | 35.6 | 35.6 |
| 47.5° | 28.2 | 28.2 | 28.8 | 28.8 | 28.8 |
| 50° | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 52.5° | 19.6 | 19.0 | 19.6 | 19.6 | 19.6 |
| 55° | 15.9 | 16.5 | 16.5 | 16.5 | 16.5 |
| 57.5° | 13.5 | 14.1 | 14.1 | 14.1 | 14.1 |
| 60° | 11.6 | 11.6 | 11.6 | 12.3 | 12.3 |
| 62.5° | 9.8 | 10.4 | 10.4 | 10.4 | 10.4 |
| 65° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 67.5° | 7.4 | 7.4 | 7.4 | 7.4 | 8.0 |
| 70° | 6.1 | 6.1 | 6.7 | 6.7 | 6.7 |
| 72.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 75° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 77.5° | 3.1 | 3.1 | 3.7 | 3.7 | 3.1 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)