

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: P1309314

Luminaire Tested: LDSQA3D13R609030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

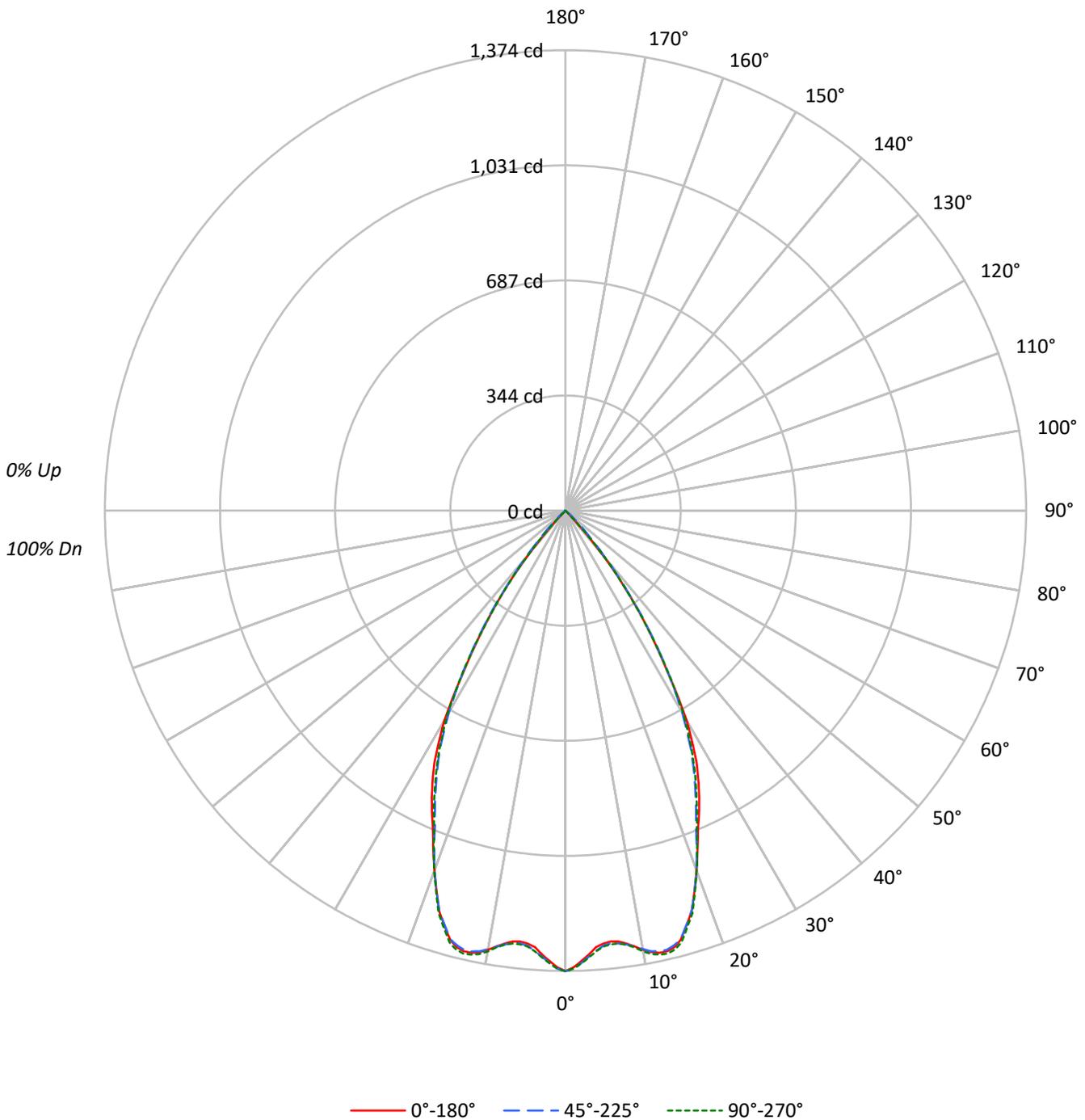
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1218.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 67 | 67 | 67 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 81 | 71 | 66 | 62 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 53 | 53 | 53 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 236703 | 236703 | 236703 |
| 5° | 224174 | 225350 | 225695 |
| 10° | 232712 | 232380 | 233726 |
| 15° | 236566 | 236227 | 237957 |
| 20° | 209356 | 209356 | 209704 |
| 25° | 179404 | 174064 | 175528 |
| 30° | 143521 | 138311 | 140439 |
| 35° | 89039 | 90868 | 88829 |
| 40° | 39096 | 43031 | 40175 |
| 45° | 463 | 13956 | 1193 |
| 50° | 0 | 1554 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13956 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.5 | 10.3 |
| 10°-20° | 363.9 | 29.9 |
| 20°-30° | 422.4 | 34.7 |
| 30°-40° | 266.0 | 21.8 |
| 40°-50° | 39.9 | 3.3 |
| 50°-60° | 0.2 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 911.8 | 74.9 |
| 0°-40° | 1177.9 | 96.7 |
| 0°-60° | 1218.0 | 100.0 |
| 0°-90° | 1218.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1218.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1374 | 1374 | 1374 | 1374 | 1374 | |
| 5° | 1297 | 1302 | 1304 | 1306 | 1306 | 125 |
| 15° | 1327 | 1322 | 1325 | 1334 | 1335 | 364 |
| 25° | 944 | 933 | 916 | 920 | 924 | 429 |
| 35° | 424 | 424 | 432 | 424 | 422 | 264 |
| 45° | 2 | 18 | 57 | 24 | 5 | 26 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1309314
 CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1374.4 | 1374.4 | 1374.4 | 1374.4 | 1374.4 |
| 1° | 1363.7 | 1367.6 | 1367.6 | 1368.6 | 1367.6 |
| 2° | 1345.3 | 1351.1 | 1351.1 | 1354.0 | 1352.1 |
| 3° | 1326.8 | 1331.7 | 1332.7 | 1336.5 | 1335.6 |
| 4° | 1306.4 | 1314.2 | 1317.1 | 1319.1 | 1318.1 |
| 5° | 1296.7 | 1301.6 | 1303.5 | 1306.4 | 1305.5 |
| 6° | 1292.8 | 1296.7 | 1298.7 | 1301.6 | 1301.6 |
| 7° | 1295.7 | 1298.7 | 1301.6 | 1303.5 | 1301.6 |
| 8° | 1304.5 | 1307.4 | 1307.4 | 1311.3 | 1308.4 |
| 9° | 1317.1 | 1318.1 | 1318.1 | 1322.9 | 1320.0 |
| 10° | 1330.7 | 1328.8 | 1328.8 | 1335.6 | 1336.5 |
| 11° | 1342.4 | 1340.4 | 1339.5 | 1346.3 | 1348.2 |
| 12° | 1349.2 | 1345.3 | 1345.3 | 1354.0 | 1355.0 |
| 13° | 1350.1 | 1345.3 | 1345.3 | 1354.0 | 1356.9 |
| 14° | 1342.4 | 1336.5 | 1337.5 | 1347.2 | 1350.1 |
| 15° | 1326.8 | 1322.0 | 1324.9 | 1333.6 | 1334.6 |
| 17.5° | 1253.0 | 1250.1 | 1252.0 | 1257.9 | 1258.8 |
| 20° | 1142.3 | 1140.3 | 1142.3 | 1142.3 | 1144.2 |
| 22.5° | 1032.5 | 1027.7 | 1017.9 | 1023.8 | 1024.7 |
| 25° | 944.1 | 933.4 | 916.0 | 919.8 | 923.7 |
| 27.5° | 847.0 | 833.4 | 814.9 | 819.8 | 820.8 |
| 30° | 721.7 | 714.9 | 695.5 | 700.3 | 706.2 |
| 32.5° | 557.5 | 576.0 | 564.3 | 563.4 | 564.3 |
| 35° | 423.5 | 424.5 | 432.2 | 423.5 | 422.5 |
| 37.5° | 296.3 | 297.2 | 303.1 | 293.3 | 294.3 |
| 40° | 173.9 | 186.5 | 191.4 | 187.5 | 178.7 |
| 42.5° | 54.4 | 96.2 | 108.8 | 94.2 | 60.2 |
| 45° | 1.9 | 18.5 | 57.3 | 24.3 | 4.9 |
| 47.5° | 0.0 | 1.0 | 27.2 | 1.9 | 0.0 |
| 50° | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)