

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: P1311384

Luminaire Tested: LDSQA3D09R609040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

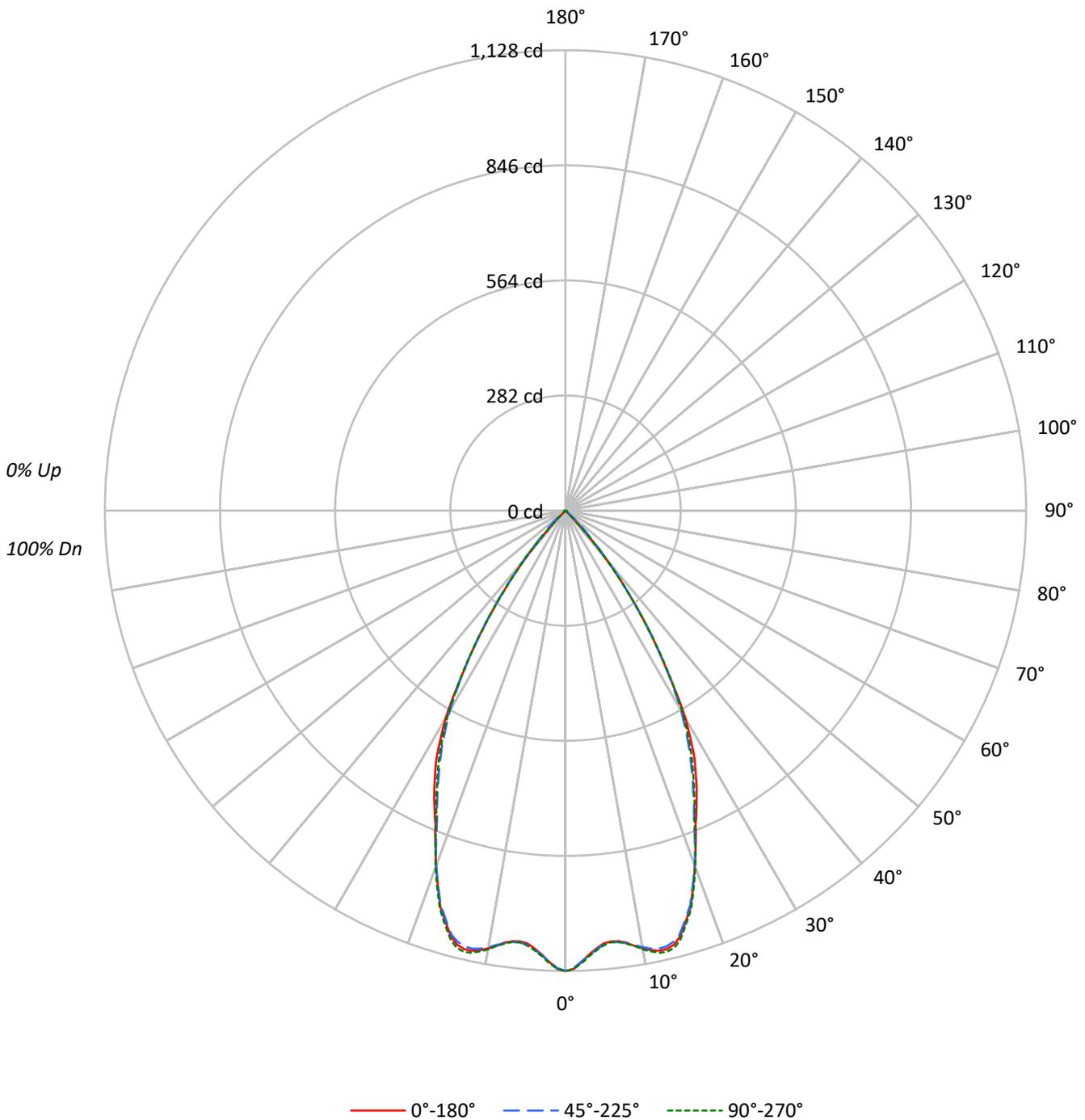
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
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 (A_{in}): 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





TEST NUMBER: P1311384

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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 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 78 | 78 | 78 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 6 | 88 | 80 | 74 | 70 | 87 | 79 | 73 | 69 | 77 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 68 | 68 | 68 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 74 | 69 | 65 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 8 | 80 | 71 | 65 | 61 | 79 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 64 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 9 | 76 | 67 | 61 | 57 | 75 | 66 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 56 | 56 | 56 | 55 |
| 10 | 73 | 63 | 58 | 54 | 72 | 63 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 61 | 56 | 53 | 53 | 53 | 53 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 194250 | 194250 | 194250 |
| 5° | 184100 | 184654 | 184913 |
| 10° | 190496 | 189954 | 190916 |
| 15° | 192811 | 191973 | 193935 |
| 20° | 169786 | 169640 | 170501 |
| 25° | 144477 | 140297 | 141494 |
| 30° | 116615 | 112538 | 114407 |
| 35° | 73796 | 74469 | 73628 |
| 40° | 34510 | 35926 | 35027 |
| 45° | 2119 | 12641 | 2484 |
| 50° | 1045 | 2947 | 1045 |
| 55° | 1171 | 1171 | 1171 |
| 60° | 1068 | 1068 | 1068 |
| 65° | 978 | 1263 | 978 |
| 70° | 1209 | 1209 | 1209 |
| 75° | 1065 | 1065 | 1065 |
| 80° | 793 | 793 | 793 |
| 85° | 1581 | 1581 | 1581 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12641 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.8 | 10.2 |
| 10°-20° | 296.1 | 29.4 |
| 20°-30° | 341.3 | 33.9 |
| 30°-40° | 219.1 | 21.8 |
| 40°-50° | 38.1 | 3.8 |
| 50°-60° | 3.6 | 0.4 |
| 60°-70° | 2.8 | 0.3 |
| 70°-80° | 1.7 | 0.2 |
| 80°-90° | 0.5 | 0.1 |
| 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° | 740.1 | 73.6 |
| 0°-40° | 959.3 | 95.4 |
| 0°-60° | 1001.0 | 99.5 |
| 0°-90° | 1006.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1006.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1128 | 1128 | 1128 | 1128 | 1128 | |
| 5° | 1065 | 1067 | 1068 | 1070 | 1070 | 103 |
| 15° | 1081 | 1078 | 1077 | 1084 | 1088 | 296 |
| 25° | 760 | 752 | 738 | 739 | 745 | 347 |
| 35° | 351 | 349 | 354 | 347 | 350 | 219 |
| 45° | 9 | 26 | 52 | 31 | 10 | 29 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 3 | 3 | 3 | 2 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311384

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1127.9 | 1127.9 | 1127.9 | 1127.9 | 1127.9 |
| 1° | 1123.1 | 1122.4 | 1121.6 | 1122.4 | 1123.1 |
| 2° | 1107.4 | 1106.6 | 1105.8 | 1109.0 | 1110.6 |
| 3° | 1090.1 | 1090.9 | 1091.7 | 1093.2 | 1094.0 |
| 4° | 1075.9 | 1077.5 | 1078.3 | 1079.9 | 1080.6 |
| 5° | 1064.9 | 1067.3 | 1068.1 | 1070.4 | 1069.6 |
| 6° | 1061.8 | 1063.3 | 1064.1 | 1064.9 | 1063.3 |
| 7° | 1063.3 | 1064.1 | 1064.9 | 1066.5 | 1064.9 |
| 8° | 1068.8 | 1069.6 | 1070.4 | 1071.2 | 1071.2 |
| 9° | 1079.9 | 1078.3 | 1077.5 | 1080.6 | 1079.9 |
| 10° | 1089.3 | 1086.9 | 1086.2 | 1090.9 | 1091.7 |
| 11° | 1097.2 | 1094.0 | 1093.2 | 1098.7 | 1100.3 |
| 12° | 1102.7 | 1098.0 | 1097.2 | 1104.3 | 1107.4 |
| 13° | 1102.7 | 1096.4 | 1096.4 | 1104.3 | 1109.0 |
| 14° | 1096.4 | 1089.3 | 1089.3 | 1098.0 | 1103.5 |
| 15° | 1081.4 | 1077.5 | 1076.7 | 1083.8 | 1087.7 |
| 17.5° | 1018.5 | 1013.7 | 1014.5 | 1022.4 | 1023.2 |
| 20° | 926.4 | 924.0 | 925.6 | 927.2 | 930.3 |
| 22.5° | 832.7 | 831.1 | 822.5 | 824.8 | 826.4 |
| 25° | 760.3 | 751.7 | 738.3 | 739.1 | 744.6 |
| 27.5° | 684.0 | 675.3 | 656.4 | 660.4 | 665.9 |
| 30° | 586.4 | 579.3 | 565.9 | 568.3 | 575.3 |
| 32.5° | 460.4 | 474.6 | 462.0 | 465.9 | 463.6 |
| 35° | 351.0 | 348.7 | 354.2 | 347.1 | 350.2 |
| 37.5° | 247.1 | 247.9 | 250.3 | 244.0 | 244.0 |
| 40° | 153.5 | 157.4 | 159.8 | 156.6 | 155.8 |
| 42.5° | 64.5 | 88.2 | 92.9 | 88.2 | 65.3 |
| 45° | 8.7 | 26.0 | 51.9 | 30.7 | 10.2 |
| 47.5° | 3.9 | 5.5 | 27.5 | 5.5 | 3.9 |
| 50° | 3.9 | 3.9 | 11.0 | 3.9 | 3.9 |
| 52.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 55° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 57.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 60° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 62.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 65° | 2.4 | 3.1 | 3.1 | 3.1 | 2.4 |
| 67.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 70° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 72.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)