

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: P1312836

Luminaire Tested: LDSQA3D20R209050D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209050D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

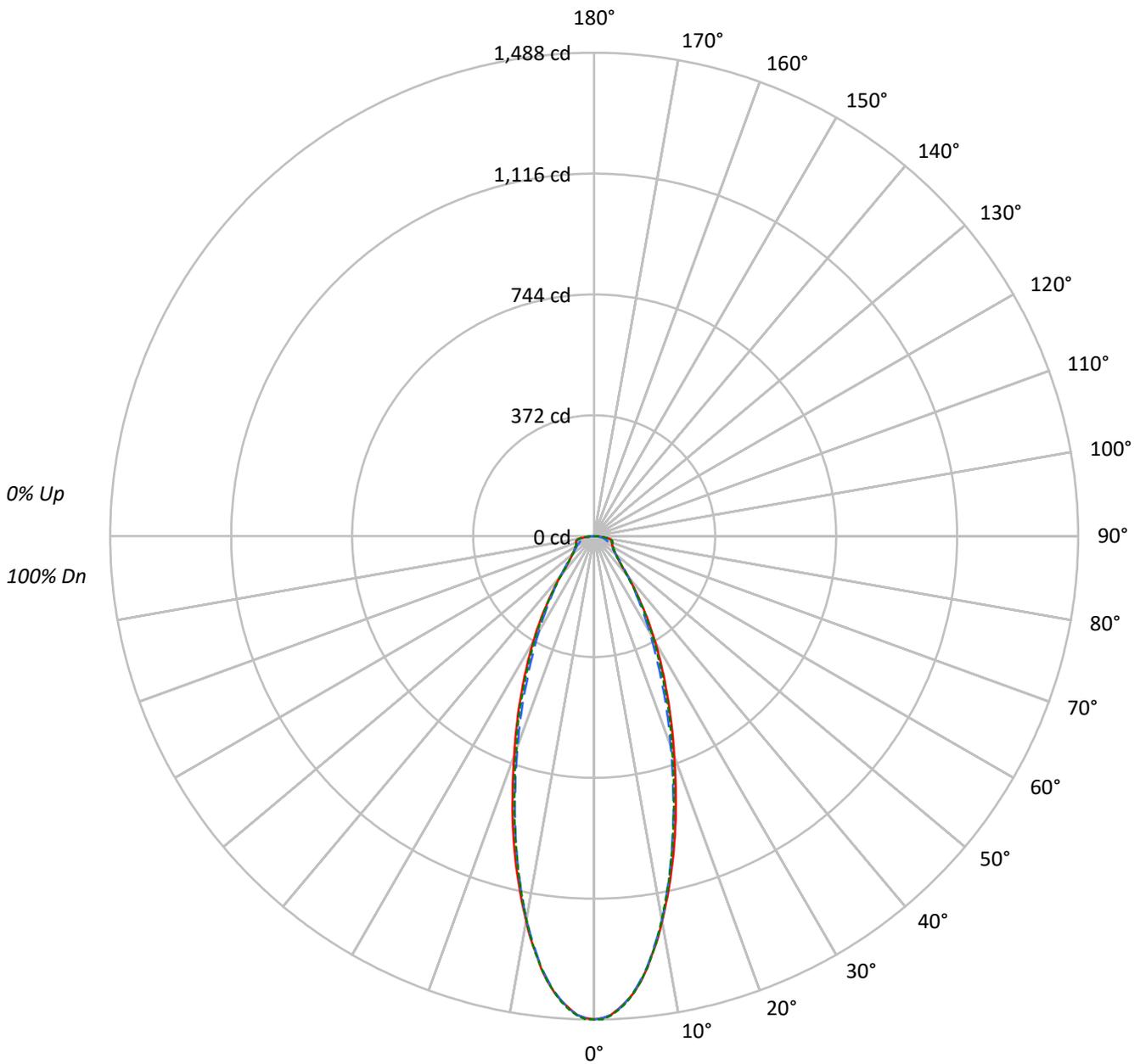
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1049.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 93 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 90 | 86 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 66 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 63 | 63 | 63 | 61 |
| 6 | 82 | 72 | 65 | 60 | 81 | 71 | 65 | 60 | 69 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 57 |
| 7 | 78 | 67 | 61 | 56 | 77 | 67 | 60 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 53 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 52 | 60 | 55 | 51 | 51 | 51 | 51 | 50 |
| 9 | 71 | 60 | 53 | 49 | 69 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 57 | 52 | 48 | 48 | 48 | 48 | 47 |
| 10 | 67 | 57 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 46 | 46 | 46 | 44 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 256181 | 256181 | 256181 |
| 5° | 243762 | 243122 | 243762 |
| 10° | 210432 | 209785 | 209453 |
| 15° | 170774 | 166833 | 167493 |
| 20° | 131573 | 125819 | 128183 |
| 25° | 99954 | 92581 | 97142 |
| 30° | 74137 | 67535 | 71930 |
| 35° | 52372 | 48882 | 51615 |
| 40° | 36106 | 36106 | 35274 |
| 45° | 26524 | 27863 | 26524 |
| 50° | 23230 | 23230 | 23230 |
| 55° | 22159 | 21619 | 22159 |
| 60° | 22871 | 20977 | 22871 |
| 65° | 24818 | 21068 | 24818 |
| 70° | 29760 | 21350 | 29760 |
| 75° | 38062 | 23356 | 38062 |
| 80° | 47606 | 23803 | 45722 |
| 85° | 36557 | 21934 | 40113 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 47606 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.6 | 12.2 |
| 10°-20° | 260.6 | 24.8 |
| 20°-30° | 232.7 | 22.2 |
| 30°-40° | 152.7 | 14.6 |
| 40°-50° | 88.8 | 8.5 |
| 50°-60° | 65.9 | 6.3 |
| 60°-70° | 55.7 | 5.3 |
| 70°-80° | 46.0 | 4.4 |
| 80°-90° | 19.2 | 1.8 |
| 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° | 620.8 | 59.2 |
| 0°-40° | 773.5 | 73.7 |
| 0°-60° | 928.2 | 88.5 |
| 0°-90° | 1049.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1049.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1488 | 1488 | 1488 | 1488 | 1488 | |
| 5° | 1410 | 1408 | 1406 | 1408 | 1410 | 128 |
| 15° | 958 | 949 | 936 | 938 | 939 | 265 |
| 25° | 526 | 511 | 487 | 500 | 511 | 242 |
| 35° | 249 | 242 | 232 | 240 | 246 | 158 |
| 45° | 109 | 111 | 114 | 111 | 109 | 88 |
| 55° | 74 | 72 | 72 | 72 | 74 | 67 |
| 65° | 61 | 55 | 52 | 55 | 61 | 61 |
| 75° | 57 | 42 | 35 | 42 | 57 | 59 |
| 85° | 18 | 20 | 11 | 20 | 20 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 |
| 1° | 1483.8 | 1485.6 | 1483.8 | 1485.6 | 1487.5 |
| 2° | 1474.6 | 1476.4 | 1474.6 | 1474.6 | 1476.4 |
| 3° | 1456.1 | 1457.9 | 1457.9 | 1457.9 | 1459.8 |
| 4° | 1434.0 | 1435.8 | 1434.0 | 1435.8 | 1437.6 |
| 5° | 1410.0 | 1408.1 | 1406.3 | 1408.1 | 1410.0 |
| 6° | 1376.7 | 1374.9 | 1373.1 | 1374.9 | 1376.7 |
| 7° | 1339.8 | 1338.0 | 1336.1 | 1336.1 | 1338.0 |
| 8° | 1293.7 | 1295.5 | 1290.0 | 1293.7 | 1295.5 |
| 9° | 1253.1 | 1249.4 | 1245.7 | 1245.7 | 1249.4 |
| 10° | 1203.3 | 1199.6 | 1199.6 | 1197.7 | 1197.7 |
| 12.5° | 1081.5 | 1074.1 | 1068.5 | 1068.5 | 1070.4 |
| 15° | 957.8 | 948.6 | 935.7 | 937.5 | 939.4 |
| 17.5° | 834.2 | 823.1 | 806.5 | 810.2 | 813.9 |
| 20° | 717.9 | 706.8 | 686.5 | 693.9 | 699.4 |
| 22.5° | 618.2 | 601.6 | 583.2 | 588.7 | 607.2 |
| 25° | 526.0 | 511.2 | 487.2 | 500.1 | 511.2 |
| 27.5° | 444.8 | 428.2 | 407.9 | 420.8 | 431.8 |
| 30° | 372.8 | 358.0 | 339.6 | 350.6 | 361.7 |
| 32.5° | 308.2 | 295.3 | 282.4 | 289.7 | 299.0 |
| 35° | 249.1 | 241.8 | 232.5 | 239.9 | 245.5 |
| 37.5° | 201.2 | 197.5 | 193.8 | 197.5 | 195.6 |
| 40° | 160.6 | 162.4 | 160.6 | 160.6 | 156.9 |
| 42.5° | 127.3 | 132.9 | 134.7 | 131.0 | 127.3 |
| 45° | 108.9 | 110.7 | 114.4 | 110.7 | 108.9 |
| 47.5° | 96.0 | 96.0 | 97.8 | 96.0 | 94.1 |
| 50° | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 52.5° | 79.4 | 79.4 | 77.5 | 79.4 | 79.4 |
| 55° | 73.8 | 72.0 | 72.0 | 72.0 | 73.8 |
| 57.5° | 70.1 | 68.3 | 66.4 | 68.3 | 70.1 |
| 60° | 66.4 | 62.7 | 60.9 | 62.7 | 66.4 |
| 62.5° | 62.7 | 59.1 | 57.2 | 59.1 | 62.7 |
| 65° | 60.9 | 55.4 | 51.7 | 55.4 | 60.9 |
| 67.5° | 59.1 | 51.7 | 48.0 | 51.7 | 60.9 |
| 70° | 59.1 | 48.0 | 42.4 | 49.8 | 59.1 |
| 72.5° | 57.2 | 46.1 | 38.8 | 46.1 | 57.2 |
| 75° | 57.2 | 42.4 | 35.1 | 42.4 | 57.2 |
| 77.5° | 53.5 | 38.8 | 29.5 | 38.8 | 53.5 |
| 80° | 48.0 | 35.1 | 24.0 | 35.1 | 46.1 |
| 82.5° | 35.1 | 29.5 | 18.5 | 29.5 | 35.1 |
| 85° | 18.5 | 20.3 | 11.1 | 20.3 | 20.3 |
| 87.5° | 1.8 | 7.4 | 3.7 | 11.1 | 9.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)