

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: P1318656

Luminaire Tested: LDSQA3D20R309830D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309830D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

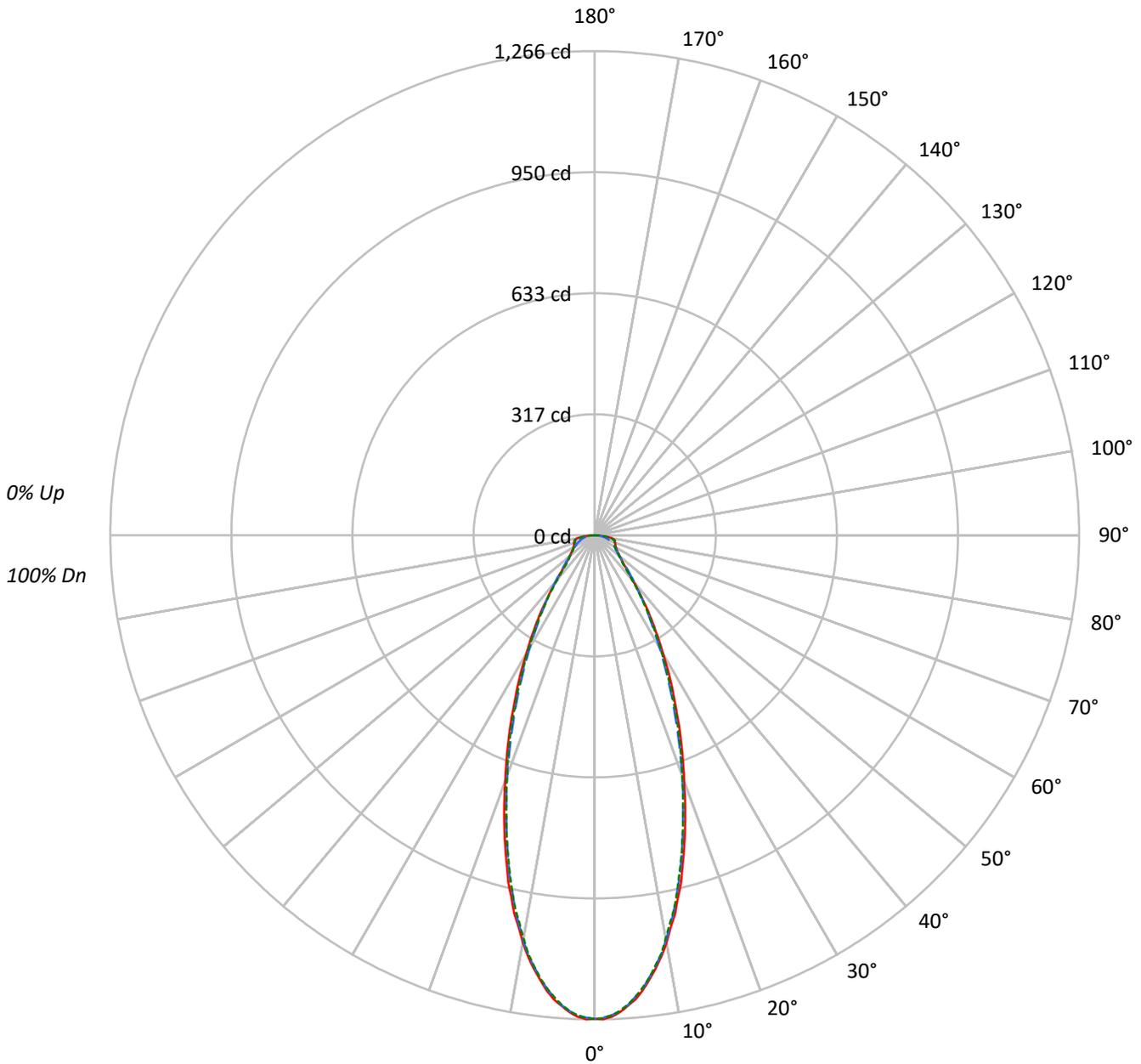
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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



— 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 83 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 66 |
| 5 | 86 | 76 | 69 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 61 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 58 | 58 | 56 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 54 | 54 | 52 |
| 8 | 74 | 63 | 56 | 51 | 72 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 51 | 51 | 49 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 56 | 51 | 48 | 48 | 48 | 46 |
| 10 | 67 | 56 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 45 | 45 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 217741 | 217741 | 217741 |
| 5° | 210655 | 209600 | 209600 |
| 10° | 189062 | 187995 | 187191 |
| 15° | 158453 | 155993 | 155725 |
| 20° | 125086 | 122575 | 122575 |
| 25° | 95754 | 91973 | 93721 |
| 30° | 71055 | 67415 | 68927 |
| 35° | 51363 | 49113 | 49429 |
| 40° | 35364 | 36039 | 34330 |
| 45° | 26402 | 27522 | 25281 |
| 50° | 22908 | 22506 | 22506 |
| 55° | 21559 | 20628 | 21078 |
| 60° | 22079 | 20529 | 21562 |
| 65° | 24288 | 20539 | 23636 |
| 70° | 28450 | 20746 | 27695 |
| 75° | 36598 | 22358 | 35533 |
| 80° | 45424 | 24200 | 42449 |
| 85° | 36161 | 24108 | 33197 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 45424 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.5 | 11.2 |
| 10°-20° | 242.4 | 24.3 |
| 20°-30° | 225.9 | 22.7 |
| 30°-40° | 149.9 | 15.0 |
| 40°-50° | 87.3 | 8.8 |
| 50°-60° | 63.5 | 6.4 |
| 60°-70° | 53.7 | 5.4 |
| 70°-80° | 44.4 | 4.5 |
| 80°-90° | 18.5 | 1.9 |
| 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° | 579.8 | 58.2 |
| 0°-40° | 729.6 | 73.2 |
| 0°-60° | 880.4 | 88.3 |
| 0°-90° | 997.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 997.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1264 | 1264 | 1264 | 1264 | 1264 | |
| 5° | 1218 | 1217 | 1212 | 1212 | 1212 | 112 |
| 15° | 889 | 880 | 875 | 873 | 873 | 246 |
| 25° | 504 | 495 | 484 | 486 | 493 | 232 |
| 35° | 244 | 240 | 234 | 235 | 235 | 154 |
| 45° | 108 | 110 | 113 | 107 | 104 | 87 |
| 55° | 72 | 70 | 69 | 70 | 70 | 65 |
| 65° | 60 | 53 | 50 | 53 | 58 | 59 |
| 75° | 55 | 41 | 34 | 41 | 53 | 56 |
| 85° | 18 | 21 | 12 | 20 | 17 | 21 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318656

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1264.3 | 1264.3 | 1264.3 | 1264.3 | 1264.3 |
| 1° | 1265.8 | 1264.3 | 1261.2 | 1262.8 | 1262.8 |
| 2° | 1259.7 | 1258.2 | 1256.7 | 1256.7 | 1256.7 |
| 3° | 1249.0 | 1247.5 | 1246.0 | 1246.0 | 1246.0 |
| 4° | 1233.8 | 1232.2 | 1232.2 | 1230.7 | 1230.7 |
| 5° | 1218.5 | 1217.0 | 1212.4 | 1212.4 | 1212.4 |
| 6° | 1197.1 | 1195.6 | 1192.5 | 1191.0 | 1191.0 |
| 7° | 1171.2 | 1171.2 | 1166.6 | 1165.0 | 1166.6 |
| 8° | 1143.7 | 1142.1 | 1139.1 | 1137.6 | 1137.6 |
| 9° | 1114.7 | 1110.1 | 1110.1 | 1105.5 | 1108.6 |
| 10° | 1081.1 | 1078.0 | 1075.0 | 1071.9 | 1070.4 |
| 11° | 1042.9 | 1041.4 | 1036.8 | 1033.7 | 1032.2 |
| 12° | 1010.8 | 1003.2 | 1000.1 | 995.6 | 998.6 |
| 13° | 969.6 | 965.0 | 957.4 | 955.9 | 957.4 |
| 14° | 934.5 | 925.3 | 919.2 | 916.2 | 914.6 |
| 15° | 888.7 | 879.5 | 874.9 | 873.4 | 873.4 |
| 17.5° | 786.4 | 780.3 | 768.0 | 768.0 | 768.0 |
| 20° | 682.5 | 676.4 | 668.8 | 667.3 | 668.8 |
| 22.5° | 592.4 | 581.8 | 569.5 | 571.1 | 580.2 |
| 25° | 503.9 | 494.7 | 484.0 | 485.6 | 493.2 |
| 27.5° | 429.1 | 416.9 | 406.2 | 409.2 | 413.8 |
| 30° | 357.3 | 349.7 | 339.0 | 342.0 | 346.6 |
| 32.5° | 296.2 | 291.6 | 279.4 | 282.5 | 287.1 |
| 35° | 244.3 | 239.7 | 233.6 | 235.1 | 235.1 |
| 37.5° | 195.4 | 195.4 | 193.9 | 192.4 | 190.9 |
| 40° | 157.3 | 160.3 | 160.3 | 155.7 | 152.7 |
| 42.5° | 128.3 | 131.3 | 134.4 | 128.3 | 123.7 |
| 45° | 108.4 | 109.9 | 113.0 | 106.9 | 103.8 |
| 47.5° | 94.7 | 94.7 | 97.7 | 93.1 | 91.6 |
| 50° | 85.5 | 85.5 | 84.0 | 82.5 | 84.0 |
| 52.5° | 77.9 | 76.3 | 74.8 | 76.3 | 76.3 |
| 55° | 71.8 | 70.2 | 68.7 | 70.2 | 70.2 |
| 57.5° | 67.2 | 65.7 | 64.1 | 64.1 | 65.7 |
| 60° | 64.1 | 61.1 | 59.6 | 61.1 | 62.6 |
| 62.5° | 61.1 | 56.5 | 55.0 | 56.5 | 59.6 |
| 65° | 59.6 | 53.4 | 50.4 | 53.4 | 58.0 |
| 67.5° | 58.0 | 50.4 | 45.8 | 50.4 | 56.5 |
| 70° | 56.5 | 47.3 | 41.2 | 47.3 | 55.0 |
| 72.5° | 55.0 | 44.3 | 38.2 | 44.3 | 55.0 |
| 75° | 55.0 | 41.2 | 33.6 | 41.2 | 53.4 |
| 77.5° | 51.9 | 38.2 | 29.0 | 38.2 | 50.4 |
| 80° | 45.8 | 35.1 | 24.4 | 33.6 | 42.8 |
| 82.5° | 33.6 | 30.5 | 18.3 | 29.0 | 32.1 |
| 85° | 18.3 | 21.4 | 12.2 | 19.9 | 16.8 |
| 87.5° | 3.1 | 4.6 | 3.1 | 9.2 | 6.1 |



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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)