

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: P1326504

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

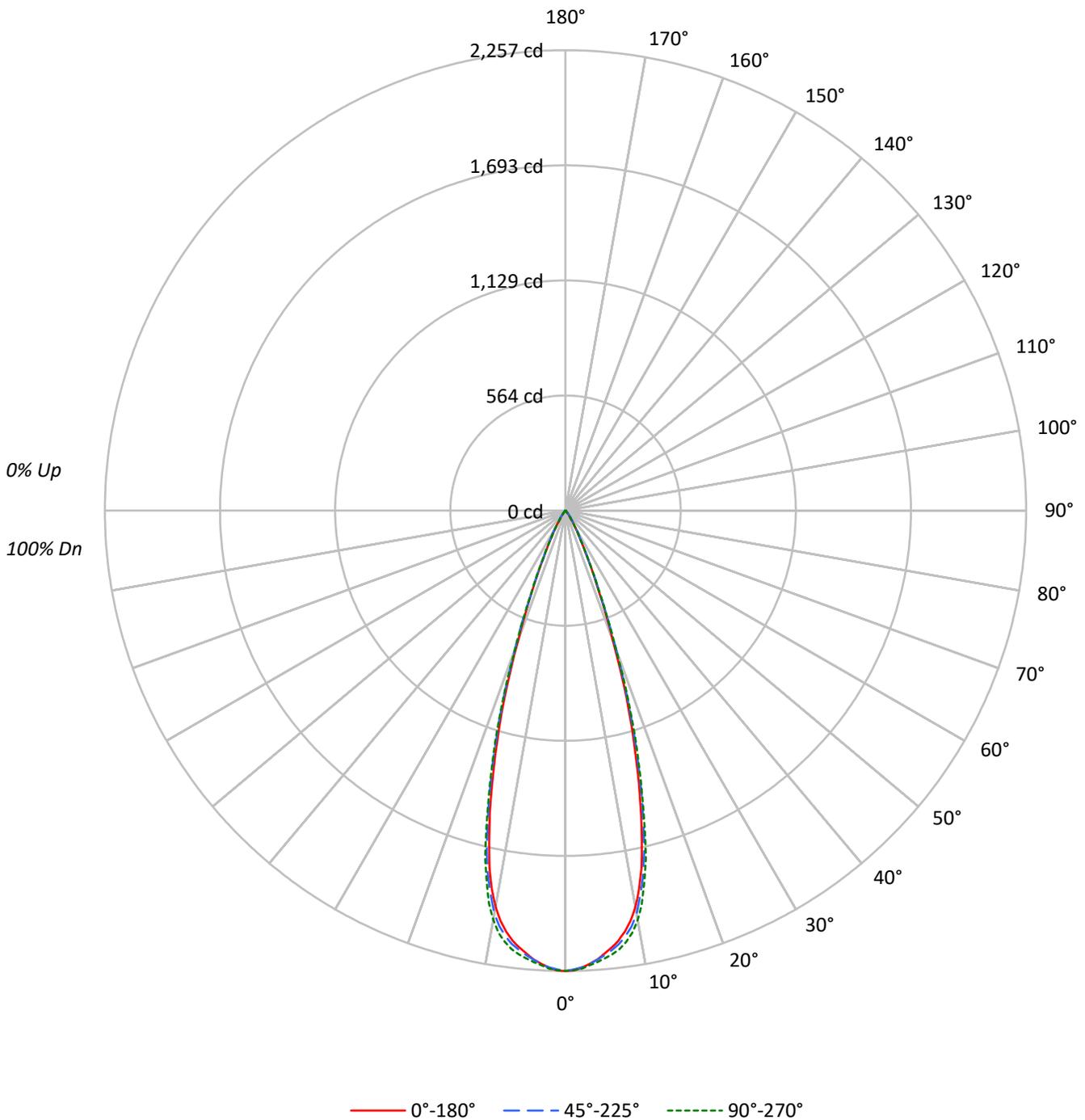
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 758.1 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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





TEST NUMBER: P1326504

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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 | 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 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98 | 99 | 98 | 96 | 97 | 95 | 94 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 97 | 90 | 86 | 83 | 96 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 94 | 87 | 83 | 80 | 93 | 87 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 78 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 79 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 88 | 81 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 73 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 86 | 79 | 75 | 72 | 85 | 78 | 74 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 71 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 388638 | 388638 | 388638 |
| 5° | 377139 | 378453 | 381011 |
| 10° | 344985 | 350983 | 356352 |
| 15° | 247620 | 256696 | 259334 |
| 20° | 124554 | 131830 | 132142 |
| 25° | 47203 | 48666 | 48894 |
| 30° | 19171 | 21995 | 18813 |
| 35° | 6959 | 10575 | 6707 |
| 40° | 2923 | 4519 | 2788 |
| 45° | 731 | 1875 | 731 |
| 50° | 482 | 804 | 482 |
| 55° | 540 | 540 | 540 |
| 60° | 620 | 620 | 620 |
| 65° | 489 | 489 | 489 |
| 70° | 302 | 302 | 302 |
| 75° | 399 | 399 | 399 |
| 80° | 595 | 595 | 595 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1875 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 204.0 | 26.9 |
| 10°-20° | 380.1 | 50.1 |
| 20°-30° | 136.7 | 18.0 |
| 30°-40° | 28.7 | 3.8 |
| 40°-50° | 5.0 | 0.7 |
| 50°-60° | 1.6 | 0.2 |
| 60°-70° | 1.2 | 0.2 |
| 70°-80° | 0.6 | 0.1 |
| 80°-90° | 0.1 | 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° | 720.8 | 95.1 |
| 0°-40° | 749.5 | 98.9 |
| 0°-60° | 756.1 | 99.7 |
| 0°-90° | 758.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 758.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2257 | 2257 | 2257 | 2257 | 2257 | |
| 5° | 2182 | 2186 | 2189 | 2204 | 2204 | 202 |
| 15° | 1389 | 1413 | 1440 | 1455 | 1454 | 370 |
| 25° | 248 | 252 | 256 | 258 | 257 | 132 |
| 35° | 33 | 39 | 50 | 38 | 32 | 25 |
| 45° | 3 | 5 | 8 | 5 | 3 | 4 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2256.6 | 2256.6 | 2256.6 | 2256.6 | 2256.6 |
| 1° | 2255.4 | 2255.4 | 2250.7 | 2256.0 | 2254.2 |
| 2° | 2243.0 | 2244.2 | 2241.2 | 2247.7 | 2247.1 |
| 3° | 2225.8 | 2228.8 | 2226.4 | 2235.9 | 2232.9 |
| 4° | 2207.5 | 2209.8 | 2208.7 | 2220.5 | 2219.3 |
| 5° | 2181.5 | 2185.6 | 2189.1 | 2203.9 | 2203.9 |
| 6° | 2154.8 | 2159.0 | 2166.7 | 2182.6 | 2188.0 |
| 7° | 2124.1 | 2129.4 | 2141.8 | 2163.1 | 2166.7 |
| 8° | 2085.0 | 2091.0 | 2108.1 | 2131.2 | 2135.9 |
| 9° | 2036.5 | 2045.4 | 2064.9 | 2092.7 | 2095.7 |
| 10° | 1972.7 | 1979.8 | 2007.0 | 2030.0 | 2037.7 |
| 11° | 1889.8 | 1895.8 | 1920.0 | 1957.3 | 1962.0 |
| 12° | 1789.3 | 1796.4 | 1827.7 | 1852.0 | 1856.7 |
| 13° | 1662.1 | 1675.7 | 1713.6 | 1737.2 | 1750.3 |
| 14° | 1531.4 | 1549.7 | 1576.9 | 1610.7 | 1602.4 |
| 15° | 1388.8 | 1413.1 | 1439.7 | 1455.1 | 1454.5 |
| 17.5° | 1039.3 | 1053.5 | 1077.1 | 1086.0 | 1097.8 |
| 20° | 679.6 | 698.0 | 719.3 | 727.5 | 721.0 |
| 22.5° | 421.7 | 426.5 | 433.0 | 436.5 | 435.3 |
| 25° | 248.4 | 252.0 | 256.1 | 258.5 | 257.3 |
| 27.5° | 149.6 | 157.9 | 163.8 | 156.7 | 152.6 |
| 30° | 96.4 | 100.0 | 110.6 | 101.1 | 94.6 |
| 32.5° | 57.4 | 65.7 | 74.5 | 63.3 | 55.0 |
| 35° | 33.1 | 39.0 | 50.3 | 38.4 | 31.9 |
| 37.5° | 21.3 | 24.3 | 32.5 | 23.7 | 20.7 |
| 40° | 13.0 | 16.6 | 20.1 | 15.4 | 12.4 |
| 42.5° | 6.5 | 10.1 | 11.8 | 8.9 | 6.5 |
| 45° | 3.0 | 4.7 | 7.7 | 4.7 | 3.0 |
| 47.5° | 1.8 | 2.4 | 4.7 | 2.4 | 1.8 |
| 50° | 1.8 | 1.8 | 3.0 | 1.8 | 1.8 |
| 52.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 55° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 57.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 60° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 65° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 75° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 82.5° | 0.6 | 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)