

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: P1324976

Luminaire Tested: LDSQA3D05R35W2N902765DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902765DE010 3LSQCDR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

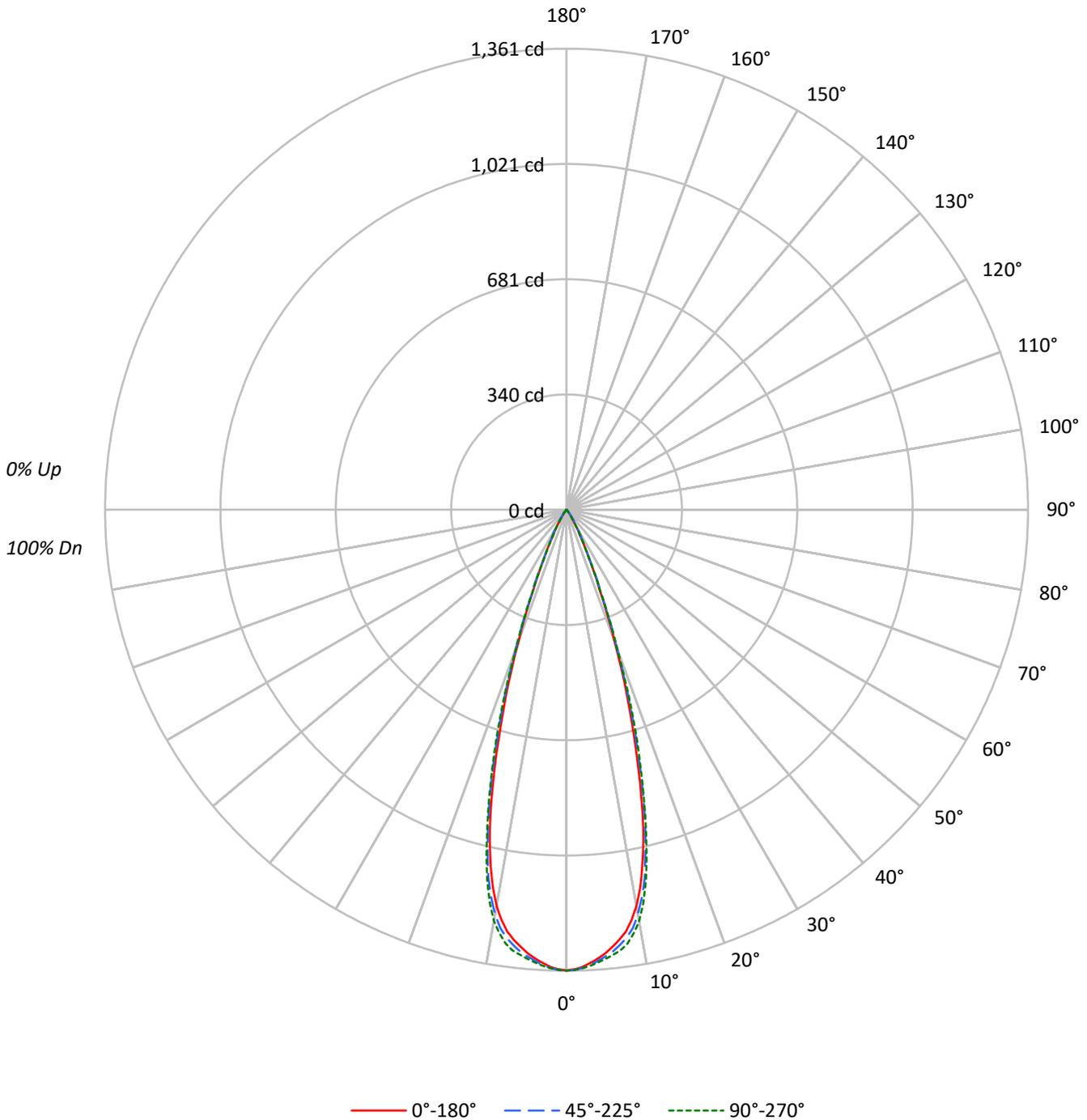
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 453.0 lumens
Efficiency: N/A
Efficacy: 76.8 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): 5.9
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





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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 234326 | 234326 | 234326 |
| 5° | 227217 | 228825 | 230069 |
| 10° | 207634 | 212024 | 215661 |
| 15° | 149307 | 155832 | 157116 |
| 20° | 76023 | 79835 | 80036 |
| 25° | 28846 | 29454 | 28637 |
| 30° | 11196 | 12986 | 10918 |
| 35° | 3847 | 6034 | 3616 |
| 40° | 1281 | 2338 | 1214 |
| 45° | 97 | 779 | 97 |
| 50° | 0 | 107 | 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: 779 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.2 | 27.2 |
| 10°-20° | 229.5 | 50.7 |
| 20°-30° | 82.5 | 18.2 |
| 30°-40° | 16.1 | 3.6 |
| 40°-50° | 1.8 | 0.4 |
| 50°-60° | 0.0 | 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° | 435.1 | 96.0 |
| 0°-40° | 451.2 | 99.6 |
| 0°-60° | 453.0 | 100.0 |
| 0°-90° | 453.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 453.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1361 | 1361 | 1361 | 1361 | 1361 | |
| 5° | 1314 | 1318 | 1324 | 1330 | 1331 | 122 |
| 15° | 837 | 851 | 874 | 880 | 881 | 223 |
| 25° | 152 | 153 | 155 | 154 | 151 | 80 |
| 35° | 18 | 21 | 29 | 21 | 17 | 14 |
| 45° | 0 | 1 | 3 | 1 | 0 | 1 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1360.6 | 1360.6 | 1360.6 | 1360.6 | 1360.6 |
| 1° | 1356.6 | 1358.4 | 1358.8 | 1361.3 | 1358.4 |
| 2° | 1350.9 | 1351.9 | 1353.4 | 1355.5 | 1354.1 |
| 3° | 1339.7 | 1341.9 | 1345.1 | 1348.0 | 1348.0 |
| 4° | 1327.9 | 1330.8 | 1334.7 | 1339.7 | 1339.4 |
| 5° | 1314.3 | 1317.9 | 1323.6 | 1329.7 | 1330.8 |
| 6° | 1297.0 | 1301.4 | 1310.7 | 1319.3 | 1320.7 |
| 7° | 1278.7 | 1285.2 | 1294.2 | 1306.7 | 1310.0 |
| 8° | 1257.2 | 1262.2 | 1275.2 | 1289.9 | 1293.5 |
| 9° | 1225.6 | 1233.2 | 1249.7 | 1263.3 | 1265.5 |
| 10° | 1187.3 | 1192.6 | 1212.4 | 1226.7 | 1233.2 |
| 11° | 1137.7 | 1145.6 | 1165.0 | 1179.7 | 1184.0 |
| 12° | 1074.6 | 1086.1 | 1108.7 | 1119.4 | 1123.0 |
| 13° | 1006.4 | 1016.1 | 1033.7 | 1047.0 | 1049.8 |
| 14° | 929.6 | 939.0 | 957.3 | 968.0 | 965.5 |
| 15° | 837.4 | 851.4 | 874.0 | 880.1 | 881.2 |
| 17.5° | 618.6 | 627.5 | 647.6 | 657.3 | 664.1 |
| 20° | 414.8 | 423.4 | 435.6 | 442.0 | 436.7 |
| 22.5° | 252.2 | 259.4 | 265.9 | 265.5 | 263.7 |
| 25° | 151.8 | 153.2 | 155.0 | 153.9 | 150.7 |
| 27.5° | 88.6 | 92.6 | 98.0 | 94.4 | 89.0 |
| 30° | 56.3 | 59.6 | 65.3 | 59.2 | 54.9 |
| 32.5° | 29.8 | 37.7 | 43.8 | 35.5 | 31.2 |
| 35° | 18.3 | 20.8 | 28.7 | 21.2 | 17.2 |
| 37.5° | 11.1 | 12.9 | 17.9 | 12.6 | 10.0 |
| 40° | 5.7 | 8.3 | 10.4 | 7.5 | 5.4 |
| 42.5° | 1.8 | 3.9 | 5.7 | 3.6 | 1.8 |
| 45° | 0.4 | 1.1 | 3.2 | 1.1 | 0.4 |
| 47.5° | 0.0 | 0.0 | 1.4 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 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)