

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: P1307396

Luminaire Tested: LDSQA3D17R709024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

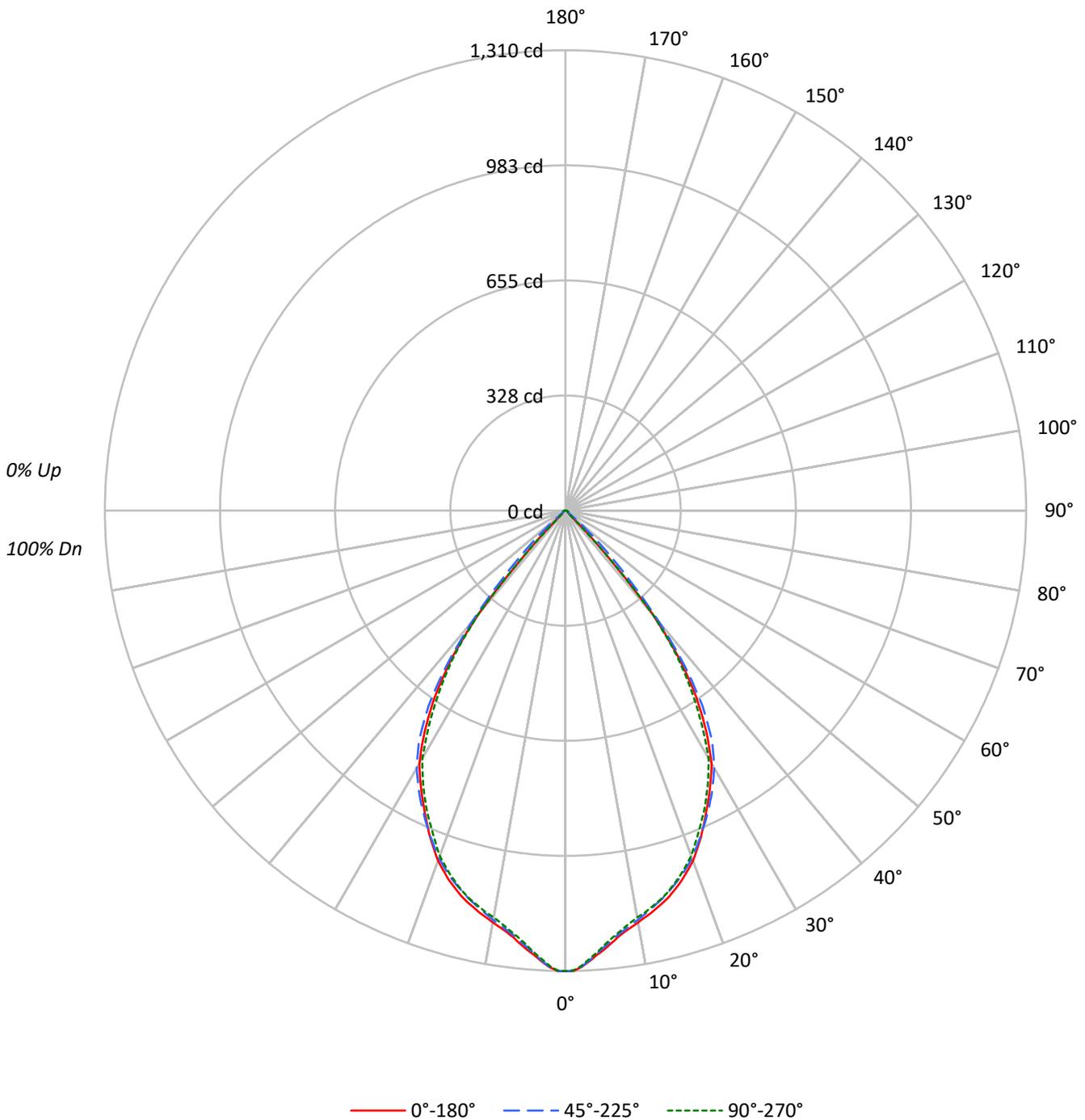
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1307396

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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 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 69 | 69 | 69 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 51 | 51 | 51 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 225646 | 225646 | 225646 |
| 5° | 216896 | 215703 | 214925 |
| 10° | 208072 | 206882 | 205501 |
| 15° | 202832 | 200603 | 200407 |
| 20° | 194345 | 192897 | 191651 |
| 25° | 179936 | 181228 | 177770 |
| 30° | 165277 | 168201 | 161877 |
| 35° | 136302 | 142735 | 131046 |
| 40° | 86781 | 93413 | 86781 |
| 45° | 6089 | 40382 | 6625 |
| 50° | 2733 | 8225 | 2733 |
| 55° | 3063 | 3063 | 3063 |
| 60° | 3134 | 3134 | 3134 |
| 65° | 2771 | 3219 | 2771 |
| 70° | 2870 | 3424 | 2870 |
| 75° | 2994 | 2994 | 2994 |
| 80° | 3372 | 3372 | 3372 |
| 85° | 2174 | 4545 | 2174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 40382 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 116.9 | 8.4 |
| 10°-20° | 316.5 | 22.7 |
| 20°-30° | 435.1 | 31.1 |
| 30°-40° | 398.5 | 28.5 |
| 40°-50° | 105.8 | 7.6 |
| 50°-60° | 9.4 | 0.7 |
| 60°-70° | 7.7 | 0.5 |
| 70°-80° | 5.1 | 0.4 |
| 80°-90° | 1.9 | 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° | 868.5 | 62.2 |
| 0°-40° | 1267.0 | 90.7 |
| 0°-60° | 1382.2 | 98.9 |
| 0°-90° | 1397.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1397.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1310 | 1310 | 1310 | 1310 | 1310 | |
| 5° | 1255 | 1249 | 1248 | 1246 | 1243 | 118 |
| 15° | 1138 | 1127 | 1125 | 1125 | 1124 | 319 |
| 25° | 947 | 950 | 954 | 942 | 936 | 435 |
| 35° | 648 | 658 | 679 | 648 | 623 | 393 |
| 45° | 25 | 85 | 166 | 86 | 27 | 75 |
| 55° | 10 | 10 | 10 | 10 | 10 | 9 |
| 65° | 7 | 8 | 8 | 8 | 7 | 7 |
| 75° | 4 | 4 | 4 | 4 | 4 | 5 |
| 85° | 1 | 2 | 2 | 2 | 1 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307396

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1310.2 | 1310.2 | 1310.2 | 1310.2 | 1310.2 |
| 1° | 1310.2 | 1307.9 | 1310.2 | 1310.2 | 1307.9 |
| 2° | 1300.0 | 1297.7 | 1298.8 | 1297.7 | 1296.6 |
| 3° | 1285.2 | 1281.8 | 1282.9 | 1280.7 | 1278.4 |
| 4° | 1268.2 | 1264.8 | 1264.8 | 1263.6 | 1261.4 |
| 5° | 1254.6 | 1248.9 | 1247.7 | 1245.5 | 1243.2 |
| 6° | 1238.7 | 1233.0 | 1231.8 | 1228.4 | 1226.2 |
| 7° | 1222.8 | 1218.2 | 1217.1 | 1212.5 | 1212.5 |
| 8° | 1210.3 | 1204.6 | 1204.6 | 1198.9 | 1198.9 |
| 9° | 1200.1 | 1193.2 | 1193.2 | 1188.7 | 1186.4 |
| 10° | 1189.8 | 1183.0 | 1183.0 | 1177.4 | 1175.1 |
| 11° | 1179.6 | 1173.9 | 1171.7 | 1168.3 | 1167.1 |
| 12° | 1170.5 | 1162.6 | 1160.3 | 1159.2 | 1156.9 |
| 13° | 1159.2 | 1151.2 | 1149.0 | 1147.8 | 1146.7 |
| 14° | 1149.0 | 1138.8 | 1137.6 | 1135.3 | 1136.5 |
| 15° | 1137.6 | 1127.4 | 1125.1 | 1125.1 | 1124.0 |
| 17.5° | 1102.4 | 1095.6 | 1092.2 | 1089.9 | 1087.7 |
| 20° | 1060.4 | 1054.7 | 1052.5 | 1047.9 | 1045.7 |
| 22.5° | 1005.9 | 1004.8 | 1003.6 | 998.0 | 988.9 |
| 25° | 946.9 | 950.3 | 953.7 | 942.3 | 935.5 |
| 27.5° | 890.1 | 899.2 | 902.6 | 891.2 | 876.5 |
| 30° | 831.1 | 839.0 | 845.8 | 829.9 | 814.0 |
| 32.5° | 745.9 | 765.2 | 775.4 | 757.3 | 720.9 |
| 35° | 648.3 | 658.5 | 678.9 | 648.3 | 623.3 |
| 37.5° | 534.7 | 540.4 | 556.3 | 535.9 | 518.9 |
| 40° | 386.0 | 403.0 | 415.5 | 403.0 | 386.0 |
| 42.5° | 173.7 | 243.0 | 274.8 | 256.6 | 181.7 |
| 45° | 25.0 | 85.2 | 165.8 | 86.3 | 27.2 |
| 47.5° | 10.2 | 13.6 | 86.3 | 12.5 | 10.2 |
| 50° | 10.2 | 10.2 | 30.7 | 10.2 | 10.2 |
| 52.5° | 10.2 | 10.2 | 11.4 | 10.2 | 10.2 |
| 55° | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 57.5° | 9.1 | 9.1 | 10.2 | 9.1 | 9.1 |
| 60° | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 62.5° | 7.9 | 9.1 | 9.1 | 9.1 | 7.9 |
| 65° | 6.8 | 7.9 | 7.9 | 7.9 | 6.8 |
| 67.5° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 70° | 5.7 | 6.8 | 6.8 | 6.8 | 5.7 |
| 72.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 75° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 77.5° | 3.4 | 4.5 | 4.5 | 4.5 | 3.4 |
| 80° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 82.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 85° | 1.1 | 2.3 | 2.3 | 2.3 | 1.1 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |



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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)