

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: P1312015

Luminaire Tested: LDSQA3D24R709040D010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R709040D010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

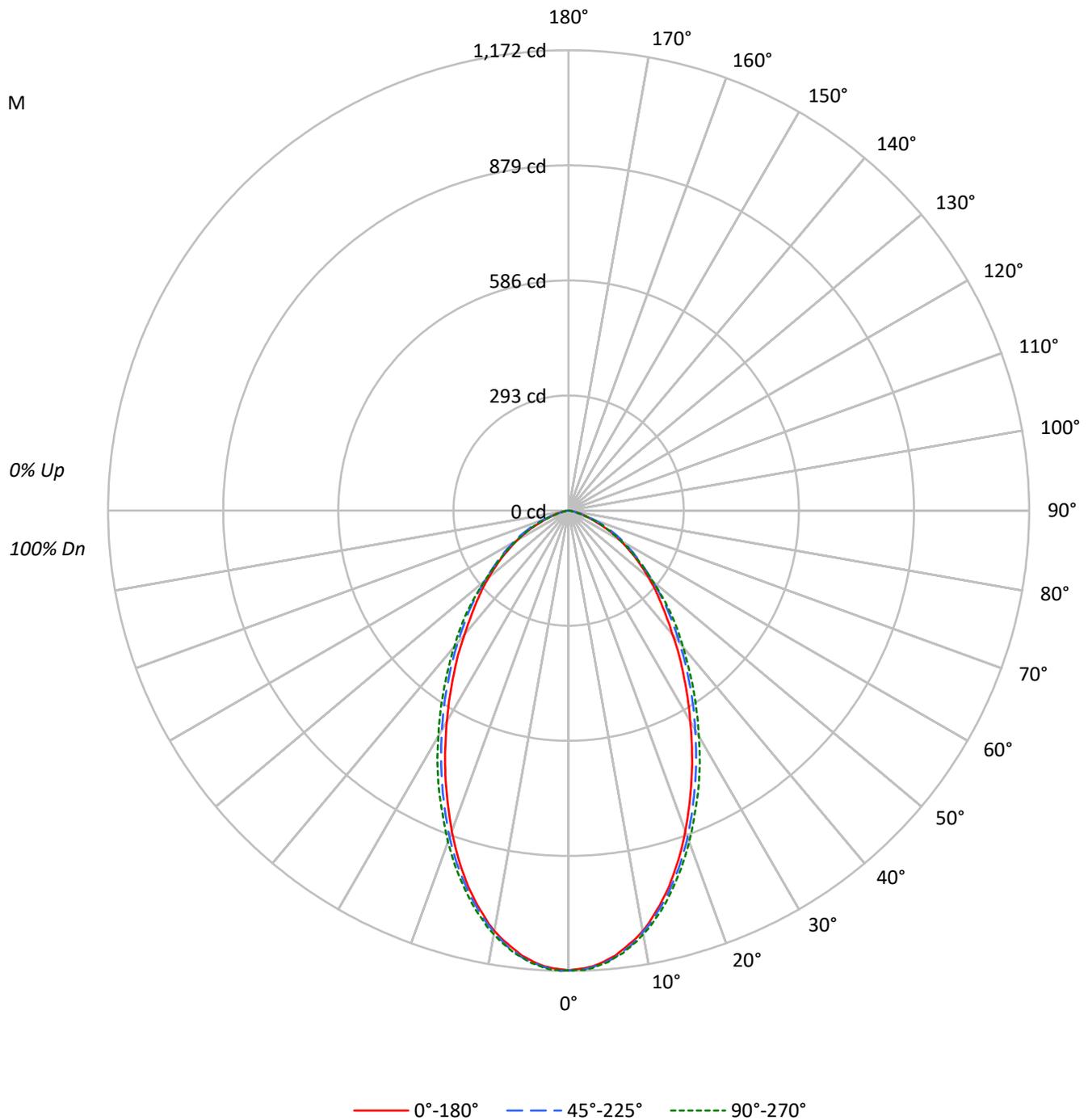
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
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

TEST NUMBER: P1312015
CATALOG NUMBER: LDSQA3D24R709040D010 3LSQCLDWWR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1312015

CATALOG NUMBER: LDSQA3D24R709040D010 3LSQCLDWWR1MB

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 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 3 | 96 | 87 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 71 | 71 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 67 | 64 | 64 | 64 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 52 | 52 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 58 | 52 | 47 | 56 | 51 | 47 | 47 | 47 | 47 | 45 |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 43 | 43 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 201500 | 201500 | 201500 |
| 5° | 198329 | 199037 | 199400 |
| 10° | 190076 | 190444 | 191528 |
| 15° | 176372 | 177852 | 179350 |
| 20° | 159211 | 162254 | 164545 |
| 25° | 140981 | 144933 | 148487 |
| 30° | 123157 | 128109 | 131828 |
| 35° | 107057 | 112733 | 116223 |
| 40° | 92514 | 98584 | 101844 |
| 45° | 80984 | 86561 | 89094 |
| 50° | 71270 | 74619 | 74619 |
| 55° | 61764 | 64886 | 63025 |
| 60° | 52252 | 55835 | 52976 |
| 65° | 40670 | 46579 | 42341 |
| 70° | 29306 | 34543 | 29306 |
| 75° | 22158 | 20761 | 16569 |
| 80° | 14381 | 10315 | 4166 |
| 85° | 4150 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 89094 cd/sqm



TEST NUMBER: P1312015

CATALOG NUMBER: LDSQA3D24R709040D010 3LSQCLDWWR1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.9 | 6.4 |
| 10°-20° | 278.4 | 16.6 |
| 20°-30° | 349.5 | 20.9 |
| 30°-40° | 333.8 | 19.9 |
| 40°-50° | 271.4 | 16.2 |
| 50°-60° | 190.0 | 11.3 |
| 60°-70° | 107.3 | 6.4 |
| 70°-80° | 34.0 | 2.0 |
| 80°-90° | 2.6 | 0.2 |
| 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° | 735.8 | 43.9 |
| 0°-40° | 1069.7 | 63.9 |
| 0°-60° | 1531.1 | 91.4 |
| 0°-90° | 1675.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1675.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1170 | 1170 | 1170 | 1170 | 1170 | |
| 5° | 1147 | 1149 | 1151 | 1149 | 1153 | 108 |
| 15° | 989 | 991 | 998 | 1000 | 1006 | 276 |
| 25° | 742 | 750 | 763 | 775 | 781 | 340 |
| 35° | 509 | 518 | 536 | 547 | 553 | 319 |
| 45° | 332 | 341 | 355 | 362 | 366 | 258 |
| 55° | 206 | 208 | 216 | 212 | 210 | 184 |
| 65° | 100 | 106 | 114 | 108 | 104 | 100 |
| 75° | 33 | 33 | 31 | 27 | 25 | 36 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312015
 CATALOG NUMBER: LDSQA3D24R709040D010 3LSQCLDWWR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1170.0 | 1170.0 | 1170.0 | 1170.0 | 1170.0 |
| 1° | 1168.0 | 1170.0 | 1172.1 | 1168.0 | 1170.0 |
| 2° | 1165.9 | 1168.0 | 1168.0 | 1165.9 | 1170.0 |
| 3° | 1161.7 | 1163.8 | 1163.8 | 1161.7 | 1165.9 |
| 4° | 1155.5 | 1157.6 | 1157.6 | 1155.5 | 1159.6 |
| 5° | 1147.2 | 1149.2 | 1151.3 | 1149.2 | 1153.4 |
| 6° | 1138.9 | 1140.9 | 1143.0 | 1140.9 | 1143.0 |
| 7° | 1126.4 | 1130.5 | 1130.5 | 1130.5 | 1134.7 |
| 8° | 1113.9 | 1118.1 | 1120.2 | 1118.1 | 1122.2 |
| 9° | 1101.4 | 1103.5 | 1105.6 | 1105.6 | 1109.8 |
| 10° | 1086.9 | 1089.0 | 1089.0 | 1091.1 | 1095.2 |
| 11° | 1070.3 | 1070.3 | 1074.4 | 1074.4 | 1080.7 |
| 12° | 1049.5 | 1051.6 | 1055.7 | 1057.8 | 1062.0 |
| 13° | 1030.8 | 1032.9 | 1037.0 | 1039.1 | 1045.3 |
| 14° | 1010.0 | 1014.2 | 1018.3 | 1020.4 | 1026.6 |
| 15° | 989.2 | 991.3 | 997.5 | 999.6 | 1005.9 |
| 17.5° | 931.0 | 933.1 | 943.5 | 947.7 | 953.9 |
| 20° | 868.7 | 874.9 | 885.3 | 891.5 | 897.8 |
| 22.5° | 804.3 | 810.5 | 823.0 | 833.4 | 837.5 |
| 25° | 741.9 | 750.2 | 762.7 | 775.2 | 781.4 |
| 27.5° | 679.6 | 687.9 | 702.4 | 714.9 | 723.2 |
| 30° | 619.3 | 627.6 | 644.2 | 654.6 | 662.9 |
| 32.5° | 563.2 | 571.5 | 590.2 | 600.6 | 606.8 |
| 35° | 509.2 | 517.5 | 536.2 | 546.6 | 552.8 |
| 37.5° | 461.4 | 469.7 | 486.3 | 496.7 | 500.8 |
| 40° | 411.5 | 421.9 | 438.5 | 448.9 | 453.0 |
| 42.5° | 369.9 | 378.2 | 394.9 | 403.2 | 409.4 |
| 45° | 332.5 | 340.8 | 355.4 | 361.6 | 365.8 |
| 47.5° | 299.3 | 303.4 | 315.9 | 318.0 | 322.1 |
| 50° | 266.0 | 270.2 | 278.5 | 280.6 | 278.5 |
| 52.5° | 234.8 | 239.0 | 245.2 | 243.1 | 243.1 |
| 55° | 205.7 | 207.8 | 216.1 | 212.0 | 209.9 |
| 57.5° | 176.6 | 180.8 | 189.1 | 182.9 | 180.8 |
| 60° | 151.7 | 155.9 | 162.1 | 157.9 | 153.8 |
| 62.5° | 126.8 | 128.8 | 139.2 | 130.9 | 126.8 |
| 65° | 99.8 | 106.0 | 114.3 | 108.1 | 103.9 |
| 67.5° | 74.8 | 85.2 | 93.5 | 85.2 | 81.0 |
| 70° | 58.2 | 62.3 | 68.6 | 64.4 | 58.2 |
| 72.5° | 43.6 | 45.7 | 47.8 | 43.6 | 39.5 |
| 75° | 33.3 | 33.3 | 31.2 | 27.0 | 24.9 |
| 77.5° | 22.9 | 22.9 | 18.7 | 12.5 | 12.5 |
| 80° | 14.5 | 14.5 | 10.4 | 4.2 | 4.2 |
| 82.5° | 6.2 | 6.2 | 4.2 | 2.1 | 2.1 |
| 85° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1312015
CATALOG NUMBER: LDSQA3D24R709040D010 3LSQCLDWWR1MB

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)