

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: P1313094

Luminaire Tested: LDSQA3D24R709050D010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R709050D010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

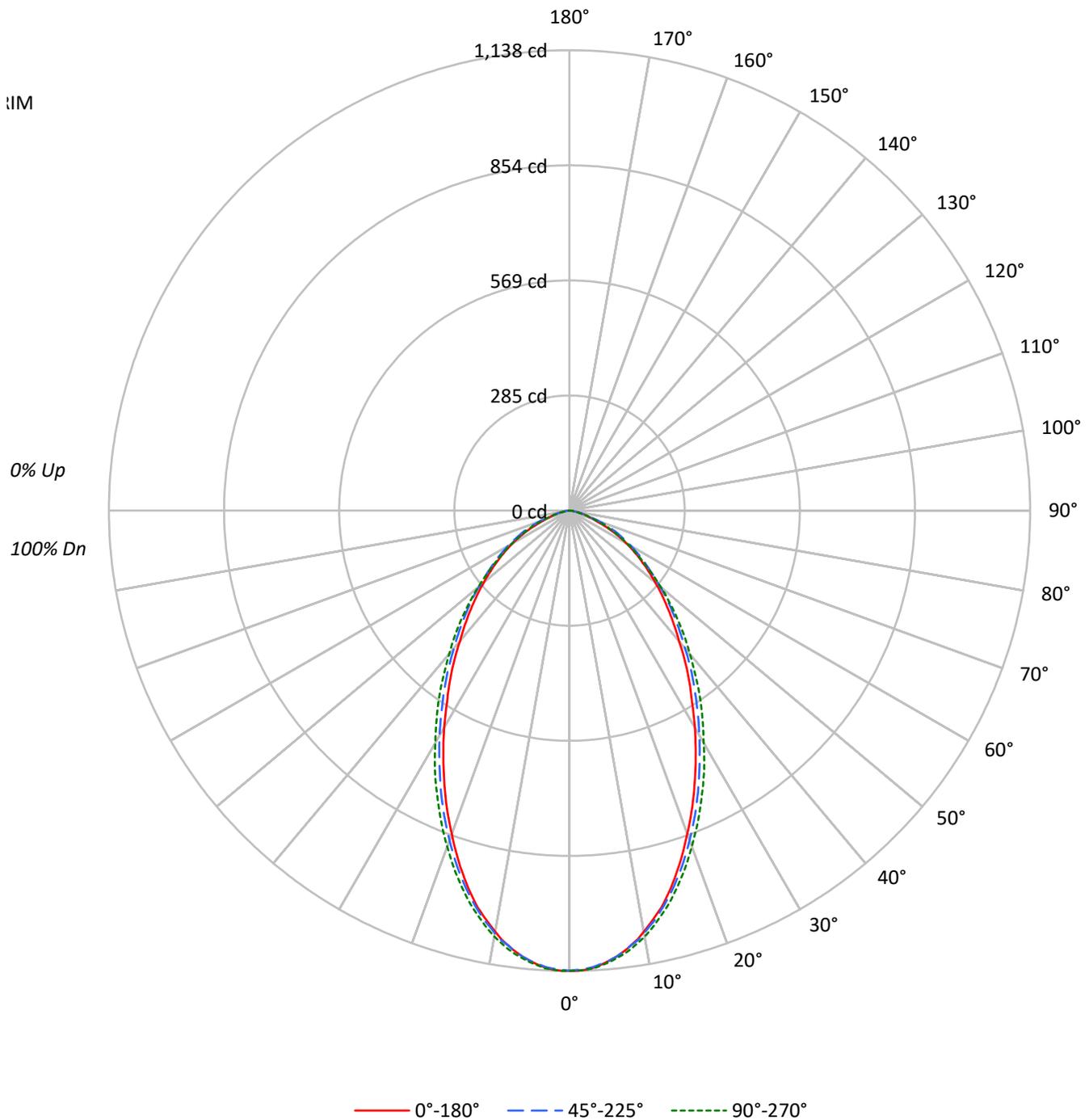
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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 (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

TEST NUMBER: P1313094
CATALOG NUMBER: LDSQA3D24R709050D010 3LSQCLDWWR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1313094

CATALOG NUMBER: LDSQA3D24R709050D010 3LSQCLDWWR1MW

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 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 78 |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 70 | 70 | 70 | 68 |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 62 | 62 | 62 | 61 |
| 5 | 83 | 71 | 64 | 58 | 81 | 70 | 63 | 58 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 56 | 56 | 56 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 51 | 51 | 51 | 49 |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 46 | 46 | 46 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 42 | 53 | 47 | 42 | 51 | 46 | 42 | 42 | 42 | 42 | 40 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 39 | 39 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 36 | 36 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 195903 | 195903 | 195903 |
| 5° | 193090 | 193090 | 193799 |
| 10° | 184848 | 185565 | 187016 |
| 15° | 172272 | 173734 | 175944 |
| 20° | 155894 | 158918 | 161942 |
| 25° | 139271 | 143185 | 147119 |
| 30° | 123157 | 127672 | 131788 |
| 35° | 108507 | 113280 | 118053 |
| 40° | 94672 | 99798 | 103957 |
| 45° | 83979 | 88485 | 91505 |
| 50° | 74110 | 77995 | 79093 |
| 55° | 65097 | 68820 | 66958 |
| 60° | 56179 | 60450 | 57591 |
| 65° | 44582 | 52162 | 47109 |
| 70° | 32227 | 40535 | 35349 |
| 75° | 24754 | 26084 | 21959 |
| 80° | 16365 | 16365 | 12298 |
| 85° | 8102 | 8102 | 8102 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 91505 cd/sqm



TEST NUMBER: P1313094

CATALOG NUMBER: LDSQA3D24R709050D010 3LSQCLDWWR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.8 | 6.1 |
| 10°-20° | 272.3 | 15.9 |
| 20°-30° | 345.9 | 20.3 |
| 30°-40° | 336.5 | 19.7 |
| 40°-50° | 279.8 | 16.4 |
| 50°-60° | 201.8 | 11.8 |
| 60°-70° | 118.7 | 7.0 |
| 70°-80° | 42.0 | 2.5 |
| 80°-90° | 6.2 | 0.4 |
| 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° | 723.0 | 42.3 |
| 0°-40° | 1059.5 | 62.0 |
| 0°-60° | 1541.1 | 90.2 |
| 0°-90° | 1708.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1708.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1138 | 1138 | 1138 | 1138 | 1138 | |
| 5° | 1117 | 1115 | 1117 | 1117 | 1121 | 105 |
| 15° | 966 | 966 | 974 | 981 | 987 | 270 |
| 25° | 733 | 741 | 754 | 768 | 774 | 337 |
| 35° | 516 | 522 | 539 | 553 | 562 | 322 |
| 45° | 345 | 351 | 363 | 372 | 376 | 267 |
| 55° | 217 | 223 | 229 | 227 | 223 | 195 |
| 65° | 109 | 118 | 128 | 122 | 116 | 109 |
| 75° | 37 | 39 | 39 | 35 | 33 | 40 |
| 85° | 4 | 4 | 4 | 4 | 4 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313094

CATALOG NUMBER: LDSQA3D24R709050D010 3LSQCLDWWR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |
| 1° | 1137.5 | 1135.4 | 1135.4 | 1135.4 | 1137.5 |
| 2° | 1135.4 | 1133.4 | 1133.4 | 1133.4 | 1135.4 |
| 3° | 1131.3 | 1129.3 | 1129.3 | 1129.3 | 1133.4 |
| 4° | 1125.1 | 1121.0 | 1123.1 | 1123.1 | 1127.2 |
| 5° | 1116.9 | 1114.8 | 1116.9 | 1116.9 | 1121.0 |
| 6° | 1108.6 | 1106.5 | 1108.6 | 1108.6 | 1112.7 |
| 7° | 1098.3 | 1096.2 | 1098.3 | 1100.3 | 1104.5 |
| 8° | 1085.9 | 1083.8 | 1085.9 | 1088.0 | 1094.2 |
| 9° | 1073.5 | 1071.4 | 1075.6 | 1077.6 | 1081.8 |
| 10° | 1057.0 | 1057.0 | 1061.1 | 1063.2 | 1069.4 |
| 11° | 1040.5 | 1040.5 | 1044.6 | 1048.7 | 1054.9 |
| 12° | 1024.0 | 1024.0 | 1030.2 | 1034.3 | 1038.4 |
| 13° | 1007.4 | 1005.4 | 1011.6 | 1015.7 | 1021.9 |
| 14° | 986.8 | 984.7 | 993.0 | 999.2 | 1005.4 |
| 15° | 966.2 | 966.2 | 974.4 | 980.6 | 986.8 |
| 17.5° | 910.4 | 912.5 | 922.8 | 931.1 | 937.3 |
| 20° | 850.6 | 856.7 | 867.1 | 877.4 | 883.6 |
| 22.5° | 792.7 | 796.9 | 811.3 | 823.7 | 829.9 |
| 25° | 732.9 | 741.1 | 753.5 | 768.0 | 774.2 |
| 27.5° | 675.1 | 683.3 | 695.7 | 710.2 | 720.5 |
| 30° | 619.3 | 625.5 | 642.0 | 656.5 | 662.7 |
| 32.5° | 563.6 | 571.9 | 588.4 | 602.8 | 611.1 |
| 35° | 516.1 | 522.3 | 538.8 | 553.3 | 561.5 |
| 37.5° | 468.6 | 474.8 | 491.3 | 503.7 | 509.9 |
| 40° | 421.1 | 431.5 | 443.9 | 456.2 | 462.4 |
| 42.5° | 381.9 | 390.2 | 402.6 | 412.9 | 419.1 |
| 45° | 344.8 | 351.0 | 363.3 | 371.6 | 375.7 |
| 47.5° | 309.7 | 315.9 | 328.2 | 332.4 | 334.4 |
| 50° | 276.6 | 282.8 | 291.1 | 293.2 | 295.2 |
| 52.5° | 245.7 | 249.8 | 258.1 | 258.1 | 256.0 |
| 55° | 216.8 | 223.0 | 229.2 | 227.1 | 223.0 |
| 57.5° | 189.9 | 192.0 | 202.3 | 198.2 | 194.1 |
| 60° | 163.1 | 167.2 | 175.5 | 171.3 | 167.2 |
| 62.5° | 136.3 | 140.4 | 150.7 | 146.6 | 140.4 |
| 65° | 109.4 | 117.7 | 128.0 | 121.8 | 115.6 |
| 67.5° | 82.6 | 92.9 | 103.2 | 97.0 | 92.9 |
| 70° | 64.0 | 72.3 | 80.5 | 74.3 | 70.2 |
| 72.5° | 49.5 | 53.7 | 57.8 | 53.7 | 49.5 |
| 75° | 37.2 | 39.2 | 39.2 | 35.1 | 33.0 |
| 77.5° | 26.8 | 28.9 | 24.8 | 20.6 | 20.6 |
| 80° | 16.5 | 18.6 | 16.5 | 12.4 | 12.4 |
| 82.5° | 8.3 | 10.3 | 8.3 | 8.3 | 8.3 |
| 85° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |



TEST NUMBER: P1313094
CATALOG NUMBER: LDSQA3D24R709050D010 3LSQCLDWWR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)