

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: P1309633

Luminaire Tested: LDSQA3D20R709030D010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309633
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: LDSQA3D20R709030D010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

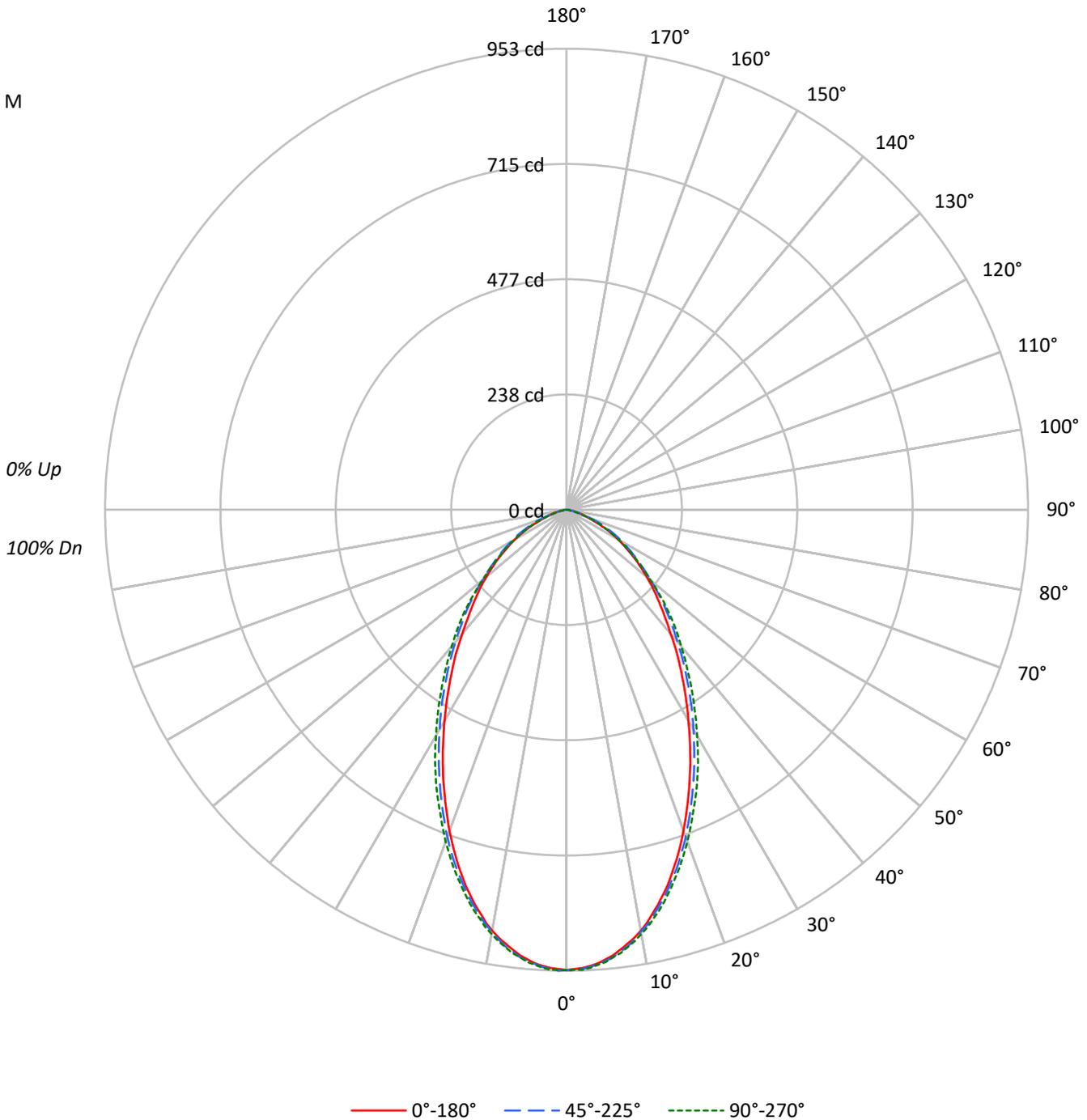
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1362.0 lumens
Efficiency: N/A
Efficacy: 47.3 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 (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: P1309633
CATALOG NUMBER: LDSQA3D20R709030D010 3LSQCLDWWR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1309633

CATALOG NUMBER: LDSQA3D20R709030D010 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | 89 | 89 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 79 | 79 | 79 |
| 3 | 96 | 87 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 69 | 69 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 67 | 64 | 62 | 62 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 55 | 55 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 | 50 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 58 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | 38 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 163853 | 163853 | 163853 |
| 5° | 161263 | 161851 | 162145 |
| 10° | 154558 | 154856 | 155748 |
| 15° | 143423 | 144618 | 145830 |
| 20° | 129466 | 131940 | 133791 |
| 25° | 114643 | 117855 | 120743 |
| 30° | 100149 | 104186 | 107208 |
| 35° | 87041 | 91667 | 94505 |
| 40° | 75225 | 80171 | 82824 |
| 45° | 65859 | 70389 | 72435 |
| 50° | 57953 | 60660 | 60660 |
| 55° | 50234 | 52756 | 51255 |
| 60° | 42505 | 45398 | 43056 |
| 65° | 33049 | 37858 | 34435 |
| 70° | 23818 | 28098 | 23818 |
| 75° | 17966 | 16835 | 13508 |
| 80° | 11703 | 8331 | 3372 |
| 85° | 3359 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 72435 cd/sqm



TEST NUMBER: P1309633

CATALOG NUMBER: LDSQA3D20R709030D010 3LSQCLDWWR1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.7 | 6.4 |
| 10°-20° | 226.4 | 16.6 |
| 20°-30° | 284.2 | 20.9 |
| 30°-40° | 271.4 | 19.9 |
| 40°-50° | 220.7 | 16.2 |
| 50°-60° | 154.5 | 11.3 |
| 60°-70° | 87.2 | 6.4 |
| 70°-80° | 27.6 | 2.0 |
| 80°-90° | 2.2 | 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° | 598.3 | 43.9 |
| 0°-40° | 869.8 | 63.9 |
| 0°-60° | 1245.0 | 91.4 |
| 0°-90° | 1362.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1362.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 951 | 951 | 951 | 951 | 951 | |
| 5° | 933 | 934 | 936 | 934 | 938 | 87 |
| 15° | 804 | 806 | 811 | 813 | 818 | 224 |
| 25° | 603 | 610 | 620 | 630 | 635 | 277 |
| 35° | 414 | 421 | 436 | 444 | 450 | 260 |
| 45° | 270 | 277 | 289 | 294 | 297 | 210 |
| 55° | 167 | 169 | 176 | 172 | 171 | 150 |
| 65° | 81 | 86 | 93 | 88 | 84 | 81 |
| 75° | 27 | 27 | 25 | 22 | 20 | 29 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309633

CATALOG NUMBER: LDSQA3D20R709030D010 3LSQCLDWWR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 951.4 | 951.4 | 951.4 | 951.4 | 951.4 |
| 1° | 949.7 | 951.4 | 953.1 | 949.7 | 951.4 |
| 2° | 948.0 | 949.7 | 949.7 | 948.0 | 951.4 |
| 3° | 944.6 | 946.3 | 946.3 | 944.6 | 948.0 |
| 4° | 939.6 | 941.3 | 941.3 | 939.6 | 942.9 |
| 5° | 932.8 | 934.5 | 936.2 | 934.5 | 937.9 |
| 6° | 926.0 | 927.7 | 929.4 | 927.7 | 929.4 |
| 7° | 915.9 | 919.3 | 919.3 | 919.3 | 922.7 |
| 8° | 905.8 | 909.1 | 910.8 | 909.1 | 912.5 |
| 9° | 895.6 | 897.3 | 899.0 | 899.0 | 902.4 |
| 10° | 883.8 | 885.5 | 885.5 | 887.2 | 890.6 |
| 11° | 870.3 | 870.3 | 873.7 | 873.7 | 878.7 |
| 12° | 853.4 | 855.1 | 858.4 | 860.1 | 863.5 |
| 13° | 838.2 | 839.9 | 843.2 | 844.9 | 850.0 |
| 14° | 821.3 | 824.7 | 828.0 | 829.7 | 834.8 |
| 15° | 804.4 | 806.1 | 811.1 | 812.8 | 817.9 |
| 17.5° | 757.1 | 758.7 | 767.2 | 770.6 | 775.6 |
| 20° | 706.4 | 711.4 | 719.9 | 724.9 | 730.0 |
| 22.5° | 654.0 | 659.0 | 669.2 | 677.6 | 681.0 |
| 25° | 603.3 | 610.0 | 620.2 | 630.3 | 635.4 |
| 27.5° | 552.6 | 559.3 | 571.2 | 581.3 | 588.1 |
| 30° | 503.6 | 510.3 | 523.9 | 532.3 | 539.1 |
| 32.5° | 458.0 | 464.7 | 479.9 | 488.4 | 493.4 |
| 35° | 414.0 | 420.8 | 436.0 | 444.4 | 449.5 |
| 37.5° | 375.1 | 381.9 | 395.4 | 403.9 | 407.3 |
| 40° | 334.6 | 343.0 | 356.6 | 365.0 | 368.4 |
| 42.5° | 300.8 | 307.6 | 321.1 | 327.8 | 332.9 |
| 45° | 270.4 | 277.1 | 289.0 | 294.0 | 297.4 |
| 47.5° | 243.3 | 246.7 | 256.9 | 258.5 | 261.9 |
| 50° | 216.3 | 219.7 | 226.4 | 228.1 | 226.4 |
| 52.5° | 191.0 | 194.3 | 199.4 | 197.7 | 197.7 |
| 55° | 167.3 | 169.0 | 175.7 | 172.4 | 170.7 |
| 57.5° | 143.6 | 147.0 | 153.8 | 148.7 | 147.0 |
| 60° | 123.4 | 126.7 | 131.8 | 128.4 | 125.0 |
| 62.5° | 103.1 | 104.8 | 113.2 | 106.5 | 103.1 |
| 65° | 81.1 | 86.2 | 92.9 | 87.9 | 84.5 |
| 67.5° | 60.8 | 69.3 | 76.0 | 69.3 | 65.9 |
| 70° | 47.3 | 50.7 | 55.8 | 52.4 | 47.3 |
| 72.5° | 35.5 | 37.2 | 38.9 | 35.5 | 32.1 |
| 75° | 27.0 | 27.0 | 25.3 | 22.0 | 20.3 |
| 77.5° | 18.6 | 18.6 | 15.2 | 10.1 | 10.1 |
| 80° | 11.8 | 11.8 | 8.4 | 3.4 | 3.4 |
| 82.5° | 5.1 | 5.1 | 3.4 | 1.7 | 1.7 |
| 85° | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1309633
CATALOG NUMBER: LDSQA3D20R709030D010 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)