

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: P1317788

Luminaire Tested: LDSQA3D20R359827D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317788
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: LDSQA3D20R359827D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

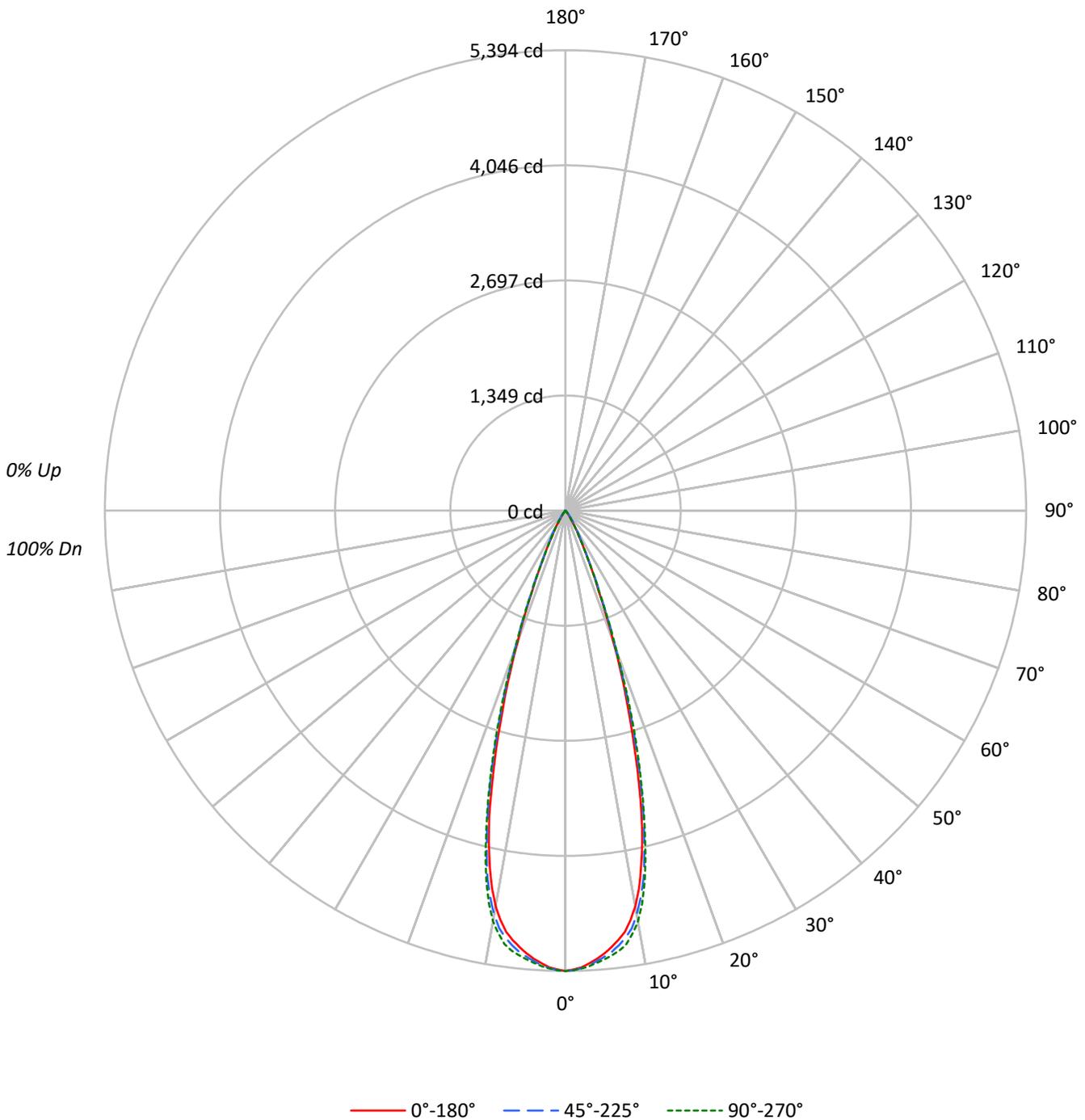
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1796.0 lumens
Efficiency: N/A
Efficacy: 65.5 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): 27.4
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: P1317788
CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1317788

CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCDR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 929003 | 929003 | 929003 |
| 5° | 900828 | 907208 | 912135 |
| 10° | 823175 | 840593 | 855021 |
| 15° | 591967 | 617838 | 622920 |
| 20° | 301378 | 316498 | 317287 |
| 25° | 114339 | 116771 | 113541 |
| 30° | 44407 | 51486 | 43273 |
| 35° | 15243 | 23926 | 14360 |
| 40° | 5126 | 9285 | 4789 |
| 45° | 341 | 3118 | 341 |
| 50° | 0 | 375 | 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: 3118 cd/sqm



TEST NUMBER: P1317788

CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCDR1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 488.3 | 27.2 |
| 10°-20° | 909.7 | 50.7 |
| 20°-30° | 327.0 | 18.2 |
| 30°-40° | 63.8 | 3.6 |
| 40°-50° | 7.1 | 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° | 1725.0 | 96.0 |
| 0°-40° | 1788.8 | 99.6 |
| 0°-60° | 1796.0 | 100.0 |
| 0°-90° | 1796.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1796.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5394 | 5394 | 5394 | 5394 | 5394 | |
| 5° | 5211 | 5225 | 5248 | 5272 | 5276 | 483 |
| 15° | 3320 | 3376 | 3465 | 3489 | 3494 | 882 |
| 25° | 602 | 607 | 614 | 610 | 598 | 315 |
| 35° | 72 | 82 | 114 | 84 | 68 | 54 |
| 45° | 1 | 4 | 13 | 4 | 1 | 4 |
| 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 |



TEST NUMBER: P1317788

CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 5394.2 | 5394.2 | 5394.2 | 5394.2 | 5394.2 |
| 1° | 5378.5 | 5385.6 | 5387.0 | 5397.0 | 5385.6 |
| 2° | 5355.8 | 5360.0 | 5365.7 | 5374.2 | 5368.6 |
| 3° | 5311.7 | 5320.2 | 5333.0 | 5344.4 | 5344.4 |
| 4° | 5264.7 | 5276.1 | 5291.7 | 5311.7 | 5310.2 |
| 5° | 5210.7 | 5224.9 | 5247.6 | 5271.8 | 5276.1 |
| 6° | 5142.4 | 5159.4 | 5196.4 | 5230.6 | 5236.3 |
| 7° | 5069.8 | 5095.4 | 5131.0 | 5180.8 | 5193.6 |
| 8° | 4984.5 | 5004.4 | 5055.6 | 5113.9 | 5128.2 |
| 9° | 4859.3 | 4889.2 | 4954.6 | 5008.7 | 5017.2 |
| 10° | 4707.1 | 4728.4 | 4806.7 | 4863.6 | 4889.2 |
| 11° | 4510.8 | 4542.1 | 4618.9 | 4677.2 | 4694.3 |
| 12° | 4260.4 | 4305.9 | 4395.6 | 4438.2 | 4452.5 |
| 13° | 3990.1 | 4028.6 | 4098.3 | 4150.9 | 4162.3 |
| 14° | 3685.7 | 3722.7 | 3795.3 | 3837.9 | 3828.0 |
| 15° | 3320.1 | 3375.6 | 3465.2 | 3489.4 | 3493.7 |
| 17.5° | 2452.4 | 2488.0 | 2567.6 | 2606.0 | 2633.1 |
| 20° | 1644.4 | 1678.6 | 1726.9 | 1752.5 | 1731.2 |
| 22.5° | 1000.0 | 1028.5 | 1054.1 | 1052.7 | 1045.5 |
| 25° | 601.7 | 607.4 | 614.5 | 610.3 | 597.5 |
| 27.5° | 351.4 | 367.0 | 388.3 | 374.1 | 352.8 |
| 30° | 223.3 | 236.1 | 258.9 | 234.7 | 217.6 |
| 32.5° | 118.1 | 149.4 | 173.5 | 140.8 | 123.8 |
| 35° | 72.5 | 82.5 | 113.8 | 83.9 | 68.3 |
| 37.5° | 44.1 | 51.2 | 71.1 | 49.8 | 39.8 |
| 40° | 22.8 | 32.7 | 41.3 | 29.9 | 21.3 |
| 42.5° | 7.1 | 15.6 | 22.8 | 14.2 | 7.1 |
| 45° | 1.4 | 4.3 | 12.8 | 4.3 | 1.4 |
| 47.5° | 0.0 | 0.0 | 5.7 | 1.4 | 0.0 |
| 50° | 0.0 | 0.0 | 1.4 | 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 |



TEST NUMBER: P1317788
CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)