

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: P1309879

Luminaire Tested: LDSQA3D02R309035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309035DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

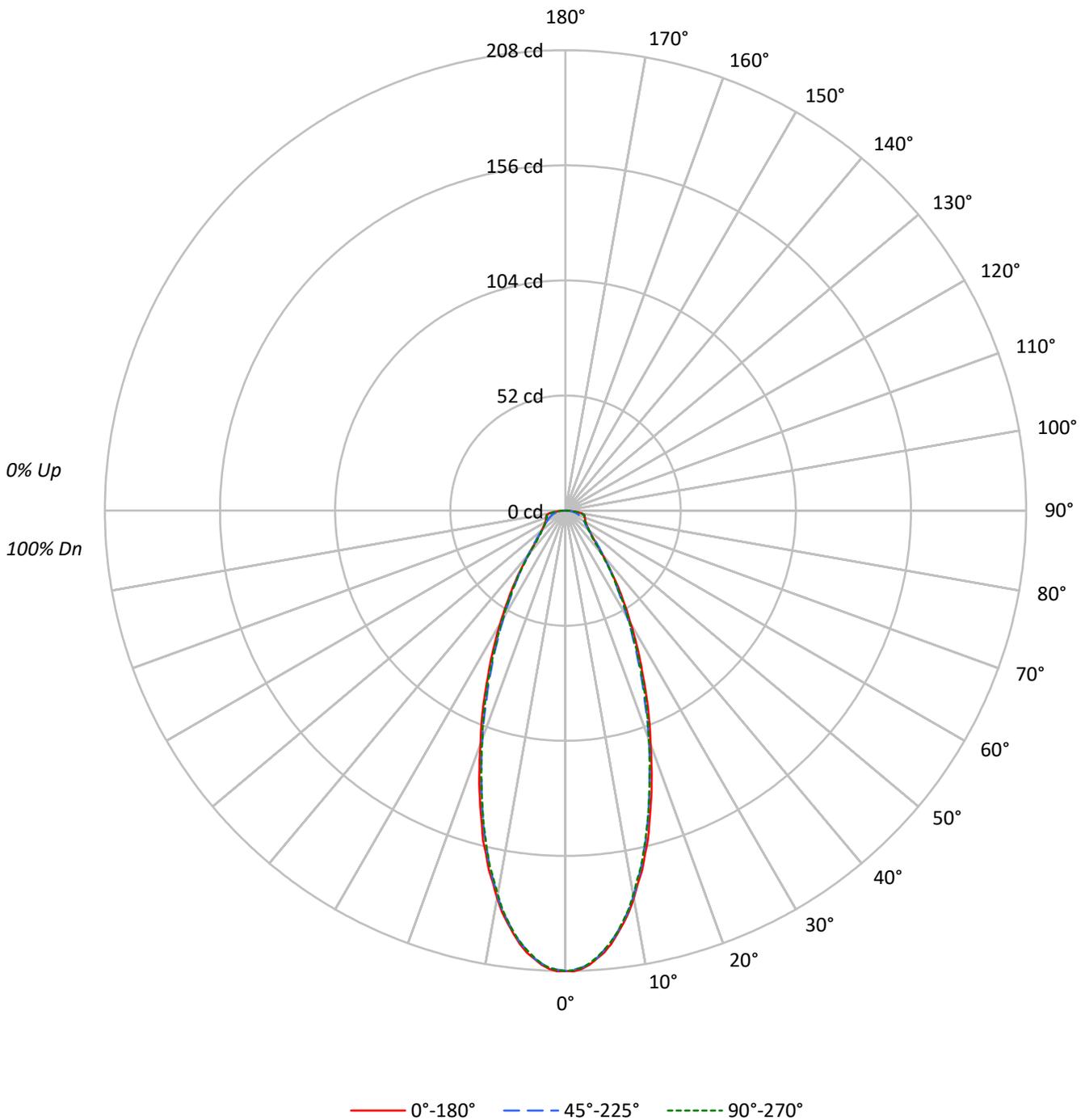
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1309879

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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 83 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 66 |
| 5 | 86 | 76 | 69 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 61 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 58 | 58 | 56 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 62 | 57 | 54 | 54 | 54 | 52 |
| 8 | 74 | 63 | 56 | 51 | 72 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 51 | 51 | 49 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 56 | 51 | 48 | 48 | 48 | 46 |
| 10 | 67 | 56 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 45 | 45 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 35822 | 35822 | 35822 |
| 5° | 34645 | 34472 | 34472 |
| 10° | 31094 | 30919 | 30796 |
| 15° | 26067 | 25657 | 25621 |
| 20° | 20582 | 20160 | 20160 |
| 25° | 15753 | 15126 | 15411 |
| 30° | 11693 | 11097 | 11335 |
| 35° | 8452 | 8073 | 8136 |
| 40° | 5823 | 5935 | 5643 |
| 45° | 4335 | 4530 | 4165 |
| 50° | 3778 | 3697 | 3697 |
| 55° | 3543 | 3393 | 3483 |
| 60° | 3617 | 3376 | 3548 |
| 65° | 3994 | 3382 | 3871 |
| 70° | 4683 | 3424 | 4532 |
| 75° | 5989 | 3660 | 5856 |
| 80° | 7438 | 3967 | 6943 |
| 85° | 5928 | 3952 | 5533 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 7438 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.3 | 11.2 |
| 10°-20° | 39.9 | 24.3 |
| 20°-30° | 37.2 | 22.7 |
| 30°-40° | 24.7 | 15.0 |
| 40°-50° | 14.4 | 8.8 |
| 50°-60° | 10.5 | 6.4 |
| 60°-70° | 8.8 | 5.4 |
| 70°-80° | 7.3 | 4.5 |
| 80°-90° | 3.0 | 1.9 |
| 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° | 95.4 | 58.1 |
| 0°-40° | 120.0 | 73.2 |
| 0°-60° | 144.8 | 88.3 |
| 0°-90° | 164.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 164.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 208 | 208 | 208 | 208 | 208 | |
| 5° | 200 | 200 | 199 | 199 | 199 | 18 |
| 15° | 146 | 145 | 144 | 144 | 144 | 40 |
| 25° | 83 | 81 | 80 | 80 | 81 | 38 |
| 35° | 40 | 39 | 38 | 39 | 39 | 25 |
| 45° | 18 | 18 | 19 | 18 | 17 | 14 |
| 55° | 12 | 12 | 11 | 12 | 12 | 11 |
| 65° | 10 | 9 | 8 | 9 | 10 | 10 |
| 75° | 9 | 7 | 6 | 7 | 9 | 9 |
| 85° | 3 | 4 | 2 | 3 | 3 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309879

CATALOG NUMBER: LDSQA3D02R309035DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 208.0 | 208.0 | 208.0 | 208.0 | 208.0 |
| 1° | 208.2 | 208.0 | 207.5 | 207.7 | 207.7 |
| 2° | 207.2 | 207.0 | 206.7 | 206.7 | 206.7 |
| 3° | 205.5 | 205.2 | 205.0 | 205.0 | 205.0 |
| 4° | 202.9 | 202.7 | 202.7 | 202.4 | 202.4 |
| 5° | 200.4 | 200.2 | 199.4 | 199.4 | 199.4 |
| 6° | 196.9 | 196.7 | 196.2 | 195.9 | 195.9 |
| 7° | 192.6 | 192.6 | 191.9 | 191.6 | 191.9 |
| 8° | 188.1 | 187.9 | 187.4 | 187.1 | 187.1 |
| 9° | 183.4 | 182.6 | 182.6 | 181.8 | 182.3 |
| 10° | 177.8 | 177.3 | 176.8 | 176.3 | 176.1 |
| 11° | 171.5 | 171.3 | 170.5 | 170.0 | 169.8 |
| 12° | 166.3 | 165.0 | 164.5 | 163.8 | 164.3 |
| 13° | 159.5 | 158.7 | 157.5 | 157.2 | 157.5 |
| 14° | 153.7 | 152.2 | 151.2 | 150.7 | 150.5 |
| 15° | 146.2 | 144.7 | 143.9 | 143.7 | 143.7 |
| 17.5° | 129.4 | 128.3 | 126.3 | 126.3 | 126.3 |
| 20° | 112.3 | 111.3 | 110.0 | 109.8 | 110.0 |
| 22.5° | 97.5 | 95.7 | 93.7 | 93.9 | 95.4 |
| 25° | 82.9 | 81.4 | 79.6 | 79.9 | 81.1 |
| 27.5° | 70.6 | 68.6 | 66.8 | 67.3 | 68.1 |
| 30° | 58.8 | 57.5 | 55.8 | 56.3 | 57.0 |
| 32.5° | 48.7 | 48.0 | 46.0 | 46.5 | 47.2 |
| 35° | 40.2 | 39.4 | 38.4 | 38.7 | 38.7 |
| 37.5° | 32.1 | 32.1 | 31.9 | 31.6 | 31.4 |
| 40° | 25.9 | 26.4 | 26.4 | 25.6 | 25.1 |
| 42.5° | 21.1 | 21.6 | 22.1 | 21.1 | 20.3 |
| 45° | 17.8 | 18.1 | 18.6 | 17.6 | 17.1 |
| 47.5° | 15.6 | 15.6 | 16.1 | 15.3 | 15.1 |
| 50° | 14.1 | 14.1 | 13.8 | 13.6 | 13.8 |
| 52.5° | 12.8 | 12.6 | 12.3 | 12.6 | 12.6 |
| 55° | 11.8 | 11.6 | 11.3 | 11.6 | 11.6 |
| 57.5° | 11.1 | 10.8 | 10.5 | 10.5 | 10.8 |
| 60° | 10.5 | 10.0 | 9.8 | 10.0 | 10.3 |
| 62.5° | 10.0 | 9.3 | 9.0 | 9.3 | 9.8 |
| 65° | 9.8 | 8.8 | 8.3 | 8.8 | 9.5 |
| 67.5° | 9.5 | 8.3 | 7.5 | 8.3 | 9.3 |
| 70° | 9.3 | 7.8 | 6.8 | 7.8 | 9.0 |
| 72.5° | 9.0 | 7.3 | 6.3 | 7.3 | 9.0 |
| 75° | 9.0 | 6.8 | 5.5 | 6.8 | 8.8 |
| 77.5° | 8.5 | 6.3 | 4.8 | 6.3 | 8.3 |
| 80° | 7.5 | 5.8 | 4.0 | 5.5 | 7.0 |
| 82.5° | 5.5 | 5.0 | 3.0 | 4.8 | 5.3 |
| 85° | 3.0 | 3.5 | 2.0 | 3.3 | 2.8 |
| 87.5° | 0.5 | 0.8 | 0.5 | 1.5 | 1.0 |



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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)