

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: P1310012

Luminaire Tested: LDSQA3D05R209035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

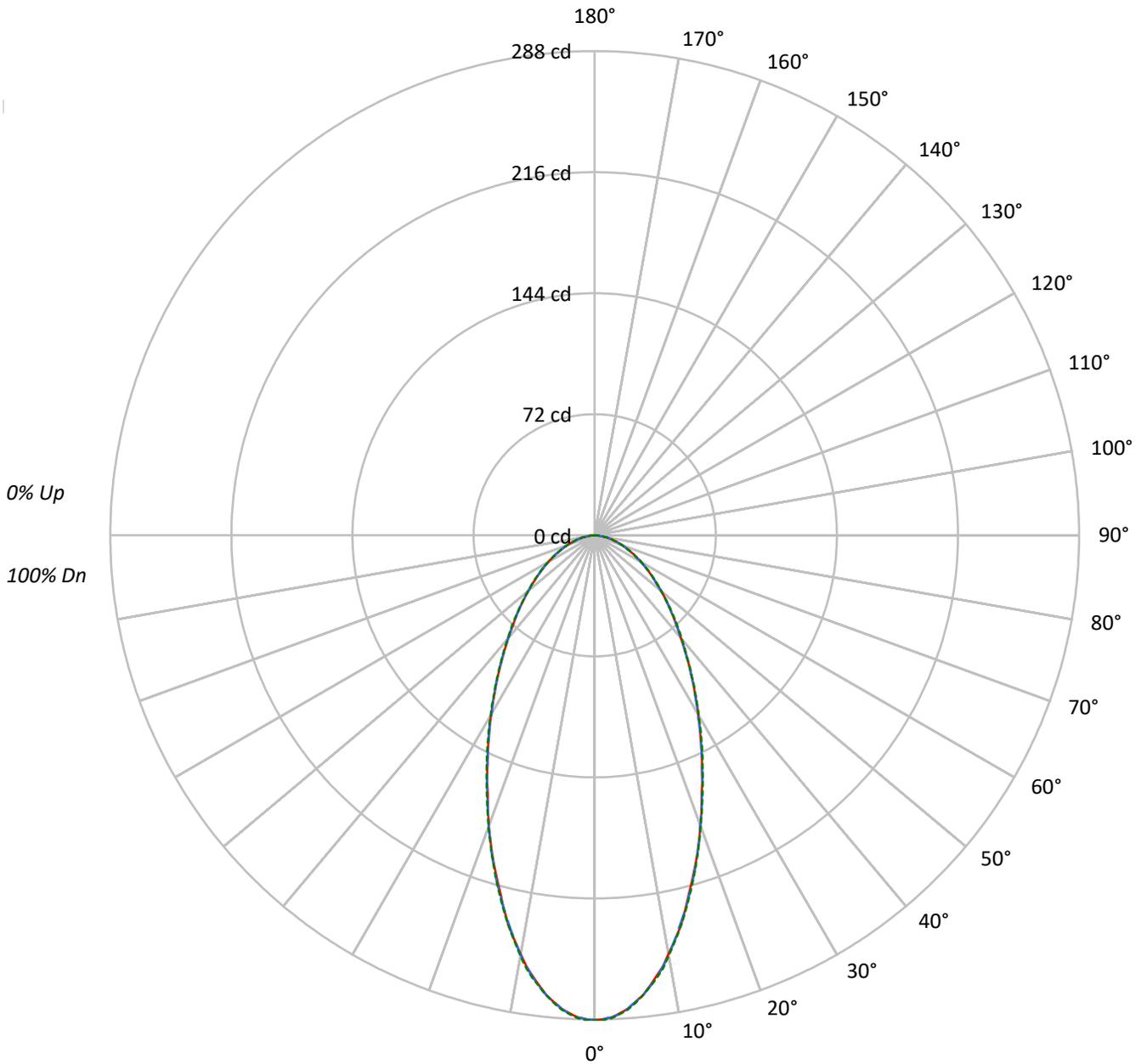
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



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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 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 88 |
| 2 | 103 | 96 | 91 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 77 |
| 3 | 96 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 72 | 77 | 74 | 70 | 70 | 70 | 68 |
| 4 | 89 | 79 | 71 | 66 | 87 | 78 | 71 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 58 | 69 | 63 | 58 | 67 | 62 | 57 | 65 | 61 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 52 | 52 | 50 |
| 7 | 73 | 61 | 54 | 48 | 71 | 60 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 47 | 47 | 47 | 46 |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 42 |
| 9 | 65 | 53 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 49 | 44 | 40 | 40 | 40 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 37 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 49669 | 49669 | 49669 |
| 5° | 48165 | 48165 | 48268 |
| 10° | 44227 | 44314 | 44402 |
| 15° | 38940 | 39119 | 39208 |
| 20° | 33704 | 33704 | 33796 |
| 25° | 28675 | 28675 | 28865 |
| 30° | 24480 | 24381 | 24580 |
| 35° | 20898 | 20898 | 21003 |
| 40° | 17941 | 17941 | 18076 |
| 45° | 15685 | 15685 | 15807 |
| 50° | 13798 | 13798 | 13798 |
| 55° | 12221 | 12221 | 12371 |
| 60° | 10988 | 10988 | 10988 |
| 65° | 9862 | 9862 | 9862 |
| 70° | 8812 | 8812 | 8812 |
| 75° | 7852 | 7519 | 7852 |
| 80° | 6645 | 6645 | 6645 |
| 85° | 4150 | 4150 | 5138 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 15807 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.8 | 7.5 |
| 10°-20° | 61.1 | 17.7 |
| 20°-30° | 69.5 | 20.2 |
| 30°-40° | 62.4 | 18.1 |
| 40°-50° | 50.0 | 14.5 |
| 50°-60° | 36.8 | 10.7 |
| 60°-70° | 24.0 | 7.0 |
| 70°-80° | 12.4 | 3.6 |
| 80°-90° | 2.9 | 0.8 |
| 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° | 156.4 | 45.3 |
| 0°-40° | 218.8 | 63.4 |
| 0°-60° | 305.6 | 88.6 |
| 0°-90° | 345.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 345.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 288 | 288 | 288 | 288 | 288 | |
| 5° | 279 | 279 | 279 | 279 | 279 | 26 |
| 15° | 218 | 218 | 219 | 219 | 220 | 61 |
| 25° | 151 | 151 | 151 | 151 | 152 | 69 |
| 35° | 99 | 99 | 99 | 99 | 100 | 62 |
| 45° | 64 | 64 | 64 | 64 | 65 | 50 |
| 55° | 41 | 41 | 41 | 41 | 41 | 37 |
| 65° | 24 | 24 | 24 | 24 | 24 | 24 |
| 75° | 12 | 11 | 11 | 12 | 12 | 13 |
| 85° | 2 | 2 | 2 | 3 | 3 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 288.4 | 288.4 | 288.4 | 288.4 | 288.4 |
| 1° | 287.9 | 287.4 | 287.9 | 287.9 | 288.4 |
| 2° | 286.9 | 286.9 | 286.9 | 286.4 | 287.4 |
| 3° | 284.8 | 284.8 | 285.3 | 284.8 | 285.3 |
| 4° | 282.3 | 282.3 | 282.3 | 281.7 | 282.8 |
| 5° | 278.6 | 278.6 | 278.6 | 278.6 | 279.2 |
| 6° | 275.0 | 274.5 | 275.0 | 274.5 | 275.0 |
| 7° | 269.9 | 269.9 | 270.4 | 269.9 | 270.4 |
| 8° | 264.7 | 264.2 | 265.3 | 264.7 | 265.8 |
| 9° | 259.6 | 259.1 | 259.6 | 259.1 | 260.6 |
| 10° | 252.9 | 253.4 | 253.4 | 253.4 | 253.9 |
| 12.5° | 237.4 | 236.4 | 236.4 | 236.4 | 237.4 |
| 15° | 218.4 | 218.4 | 219.4 | 219.4 | 219.9 |
| 17.5° | 201.4 | 200.9 | 201.9 | 201.9 | 201.9 |
| 20° | 183.9 | 183.4 | 183.9 | 183.9 | 184.4 |
| 22.5° | 166.4 | 166.9 | 166.9 | 166.9 | 167.4 |
| 25° | 150.9 | 150.9 | 150.9 | 151.4 | 151.9 |
| 27.5° | 136.5 | 136.0 | 136.5 | 137.0 | 137.5 |
| 30° | 123.1 | 122.6 | 122.6 | 123.1 | 123.6 |
| 32.5° | 110.7 | 110.2 | 110.7 | 110.7 | 111.3 |
| 35° | 99.4 | 99.4 | 99.4 | 99.4 | 99.9 |
| 37.5° | 89.1 | 89.1 | 89.1 | 89.6 | 89.6 |
| 40° | 79.8 | 79.8 | 79.8 | 80.4 | 80.4 |
| 42.5° | 71.6 | 71.6 | 71.6 | 72.1 | 72.6 |
| 45° | 64.4 | 64.4 | 64.4 | 64.4 | 64.9 |
| 47.5° | 57.7 | 57.7 | 57.7 | 58.2 | 58.2 |
| 50° | 51.5 | 51.0 | 51.5 | 52.0 | 51.5 |
| 52.5° | 45.8 | 45.8 | 45.8 | 45.8 | 46.4 |
| 55° | 40.7 | 40.7 | 40.7 | 40.7 | 41.2 |
| 57.5° | 36.1 | 36.1 | 36.1 | 36.6 | 36.6 |
| 60° | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| 62.5° | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 65° | 24.2 | 23.7 | 24.2 | 24.2 | 24.2 |
| 67.5° | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 |
| 70° | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| 72.5° | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 |
| 75° | 11.8 | 11.3 | 11.3 | 11.8 | 11.8 |
| 77.5° | 9.3 | 8.8 | 9.3 | 9.3 | 9.3 |
| 80° | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 82.5° | 4.1 | 4.1 | 4.1 | 4.6 | 4.6 |
| 85° | 2.1 | 2.1 | 2.1 | 2.6 | 2.6 |
| 87.5° | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)