

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: P1323906

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309030D2WDE010 3LSQPHR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

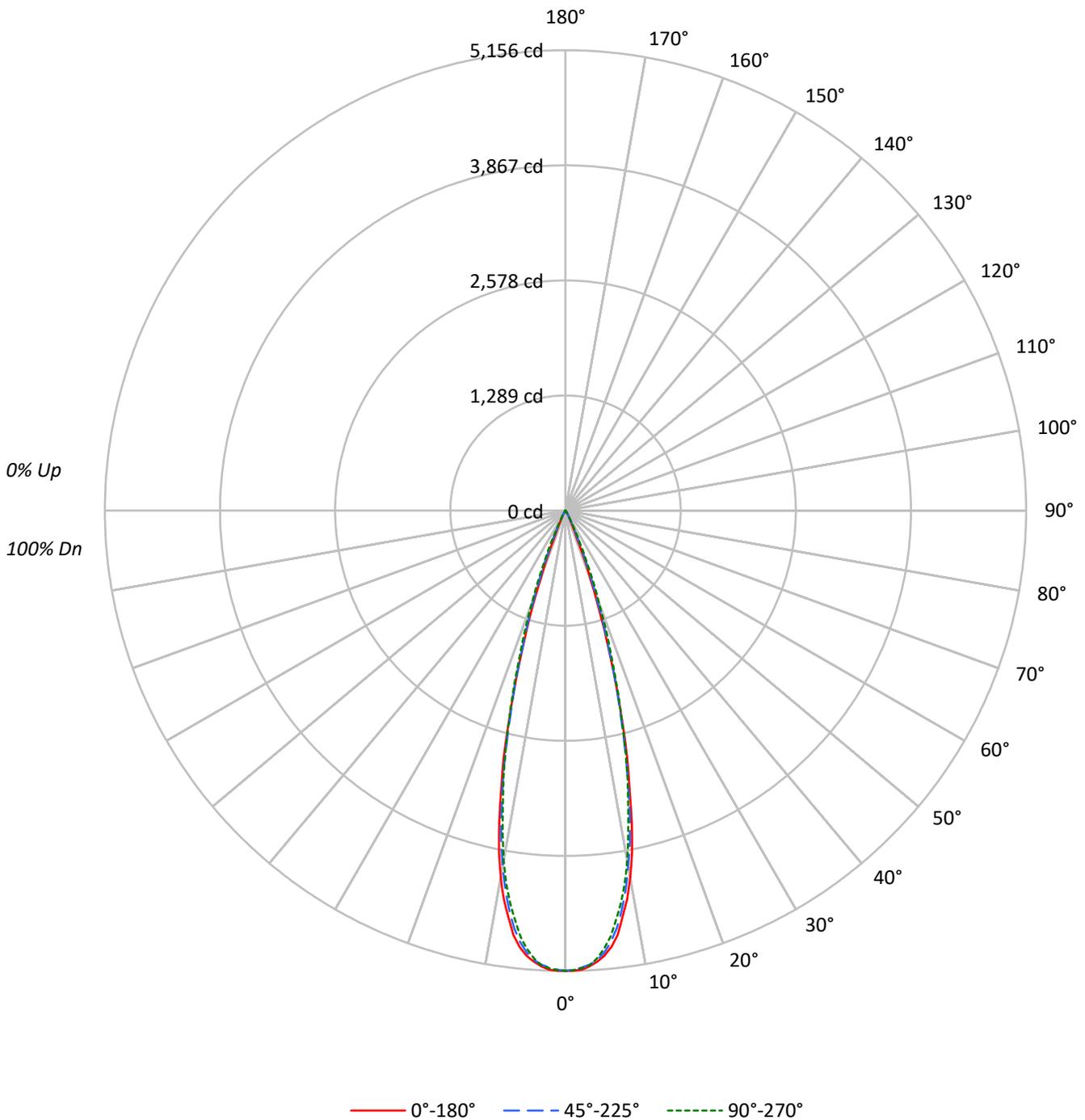
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1249.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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





TEST NUMBER: P1323906

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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 | 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 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 102 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 91 | 89 | 93 | 90 | 88 | 92 | 89 | 88 | 92 | 89 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 84 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 88 | 86 | 83 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 92 | 86 | 82 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 90 | 84 | 80 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 887756 | 887756 | 887756 |
| 5° | 864887 | 858939 | 851869 |
| 10° | 729894 | 707492 | 696003 |
| 15° | 439861 | 427559 | 435439 |
| 20° | 149205 | 172297 | 198726 |
| 25° | 27421 | 42965 | 50737 |
| 30° | 9426 | 10500 | 11773 |
| 35° | 2712 | 3406 | 3616 |
| 40° | 719 | 1214 | 967 |
| 45° | 268 | 268 | 268 |
| 50° | 295 | 0 | 295 |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 445.7 | 35.7 |
| 10°-20° | 651.4 | 52.2 |
| 20°-30° | 137.8 | 11.0 |
| 30°-40° | 12.7 | 1.0 |
| 40°-50° | 1.2 | 0.1 |
| 50°-60° | 0.1 | 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° | 1235.0 | 98.9 |
| 0°-40° | 1247.7 | 99.9 |
| 0°-60° | 1249.0 | 100.0 |
| 0°-90° | 1249.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1249.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5155 | 5155 | 5155 | 5155 | 5155 | |
| 5° | 5003 | 4993 | 4968 | 4953 | 4928 | 452 |
| 15° | 2467 | 2458 | 2398 | 2454 | 2442 | 651 |
| 25° | 144 | 162 | 226 | 266 | 267 | 105 |
| 35° | 13 | 16 | 16 | 19 | 17 | 11 |
| 45° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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: P1323906

CATALOG NUMBER: LDSQA3D13R309030D2WDE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 5154.7 | 5154.7 | 5154.7 | 5154.7 | 5154.7 |
| 1° | 5155.7 | 5150.4 | 5142.8 | 5153.6 | 5146.1 |
| 2° | 5145.0 | 5132.1 | 5121.3 | 5132.1 | 5128.8 |
| 3° | 5112.7 | 5101.9 | 5094.4 | 5099.8 | 5099.8 |
| 4° | 5064.2 | 5052.4 | 5045.9 | 5047.0 | 5030.8 |
| 5° | 5002.8 | 4993.2 | 4968.4 | 4953.3 | 4927.5 |
| 6° | 4912.4 | 4888.7 | 4858.6 | 4833.8 | 4800.4 |
| 7° | 4789.6 | 4753.0 | 4710.0 | 4666.9 | 4624.9 |
| 8° | 4592.6 | 4575.4 | 4517.2 | 4488.1 | 4446.1 |
| 9° | 4407.4 | 4365.4 | 4302.9 | 4255.5 | 4232.9 |
| 10° | 4173.7 | 4111.2 | 4045.6 | 4007.9 | 3979.9 |
| 11° | 3897.0 | 3833.4 | 3780.7 | 3725.8 | 3682.7 |
| 12° | 3571.8 | 3517.9 | 3457.6 | 3421.0 | 3370.4 |
| 13° | 3186.3 | 3178.7 | 3110.9 | 3099.0 | 3092.6 |
| 14° | 2855.7 | 2825.5 | 2758.8 | 2777.1 | 2781.4 |
| 15° | 2467.0 | 2458.3 | 2398.0 | 2454.0 | 2442.2 |
| 17.5° | 1545.2 | 1548.4 | 1586.1 | 1674.4 | 1702.4 |
| 20° | 814.1 | 838.8 | 940.1 | 1046.7 | 1084.3 |
| 22.5° | 329.5 | 384.4 | 487.8 | 559.9 | 608.4 |
| 25° | 144.3 | 161.5 | 226.1 | 266.0 | 267.0 |
| 27.5° | 81.8 | 82.9 | 108.8 | 113.1 | 115.2 |
| 30° | 47.4 | 48.5 | 52.8 | 56.0 | 59.2 |
| 32.5° | 25.8 | 28.0 | 29.1 | 33.4 | 33.4 |
| 35° | 12.9 | 16.2 | 16.2 | 19.4 | 17.2 |
| 37.5° | 7.5 | 8.6 | 9.7 | 9.7 | 8.6 |
| 40° | 3.2 | 4.3 | 5.4 | 5.4 | 4.3 |
| 42.5° | 1.1 | 2.2 | 2.2 | 2.2 | 3.2 |
| 45° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 47.5° | 1.1 | 1.1 | 0.0 | 1.1 | 1.1 |
| 50° | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| 52.5° | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| 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 |



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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)