

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: P1314450

Luminaire Tested: LDSQA3D09R209730DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209730DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

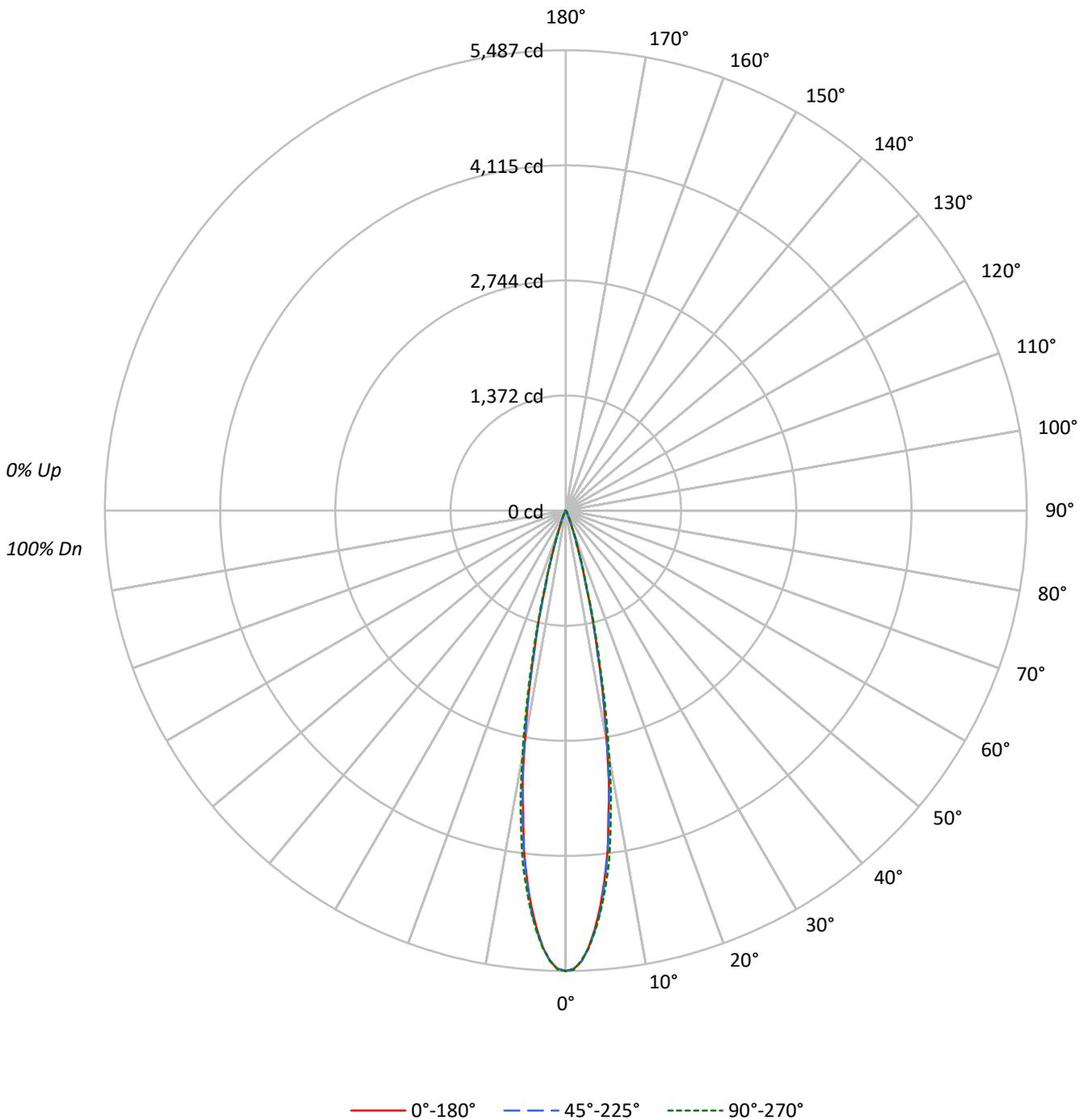
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 737.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1314450

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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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 97 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 93 | 93 | 93 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 92 | 92 | 92 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 90 | 90 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 87 | 87 | 87 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 85 | 85 | 85 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 84 | 84 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 945020 | 945020 | 945020 |
| 5° | 816376 | 823983 | 827060 |
| 10° | 491446 | 496046 | 520739 |
| 15° | 169989 | 166013 | 179225 |
| 20° | 44646 | 42007 | 42117 |
| 25° | 9729 | 11725 | 13359 |
| 30° | 4176 | 4176 | 4315 |
| 35° | 2355 | 2060 | 2208 |
| 40° | 1034 | 1192 | 1326 |
| 45° | 317 | 487 | 487 |
| 50° | 188 | 188 | 188 |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 487 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 392.5 | 53.2 |
| 10°-20° | 298.8 | 40.5 |
| 20°-30° | 36.9 | 5.0 |
| 30°-40° | 7.0 | 0.9 |
| 40°-50° | 1.7 | 0.2 |
| 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° | 728.2 | 98.8 |
| 0°-40° | 735.2 | 99.8 |
| 0°-60° | 737.0 | 100.0 |
| 0°-90° | 737.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 737.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5487 | 5487 | 5487 | 5487 | 5487 | |
| 5° | 4722 | 4719 | 4766 | 4763 | 4784 | 389 |
| 15° | 953 | 919 | 931 | 987 | 1005 | 299 |
| 25° | 51 | 58 | 62 | 64 | 70 | 35 |
| 35° | 11 | 11 | 10 | 10 | 10 | 7 |
| 45° | 1 | 2 | 2 | 2 | 2 | 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 5487.2 | 5487.2 | 5487.2 | 5487.2 | 5487.2 |
| 1° | 5461.6 | 5455.0 | 5460.3 | 5449.1 | 5472.1 |
| 2° | 5374.2 | 5367.7 | 5367.7 | 5361.1 | 5364.4 |
| 3° | 5211.4 | 5221.9 | 5215.3 | 5201.6 | 5219.3 |
| 4° | 4989.5 | 5001.3 | 5011.8 | 5012.5 | 5015.1 |
| 5° | 4722.2 | 4719.0 | 4766.2 | 4763.0 | 4784.0 |
| 6° | 4417.6 | 4413.6 | 4434.0 | 4468.1 | 4510.2 |
| 7° | 4082.7 | 4034.8 | 4089.3 | 4158.2 | 4214.7 |
| 8° | 3649.4 | 3661.8 | 3699.3 | 3780.7 | 3826.0 |
| 9° | 3281.7 | 3208.8 | 3288.2 | 3385.4 | 3434.7 |
| 10° | 2810.2 | 2751.1 | 2836.5 | 2938.9 | 2977.7 |
| 12.5° | 1768.9 | 1717.7 | 1745.2 | 1852.9 | 1870.0 |
| 15° | 953.4 | 919.2 | 931.1 | 986.9 | 1005.2 |
| 17.5° | 486.5 | 455.7 | 449.1 | 484.6 | 488.5 |
| 20° | 243.6 | 236.4 | 229.2 | 232.4 | 229.8 |
| 22.5° | 112.9 | 122.8 | 121.5 | 114.9 | 122.8 |
| 25° | 51.2 | 58.4 | 61.7 | 64.3 | 70.3 |
| 27.5° | 31.5 | 30.2 | 34.8 | 37.4 | 38.1 |
| 30° | 21.0 | 20.4 | 21.0 | 21.7 | 21.7 |
| 32.5° | 15.1 | 14.4 | 13.8 | 13.8 | 14.4 |
| 35° | 11.2 | 11.2 | 9.8 | 10.5 | 10.5 |
| 37.5° | 7.9 | 7.9 | 7.2 | 7.9 | 7.9 |
| 40° | 4.6 | 5.3 | 5.3 | 5.3 | 5.9 |
| 42.5° | 2.6 | 3.3 | 3.3 | 3.3 | 3.3 |
| 45° | 1.3 | 2.0 | 2.0 | 2.0 | 2.0 |
| 47.5° | 0.7 | 0.7 | 0.7 | 1.3 | 1.3 |
| 50° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)