

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: P1312424

Luminaire Tested: LDSQA3D09R409050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

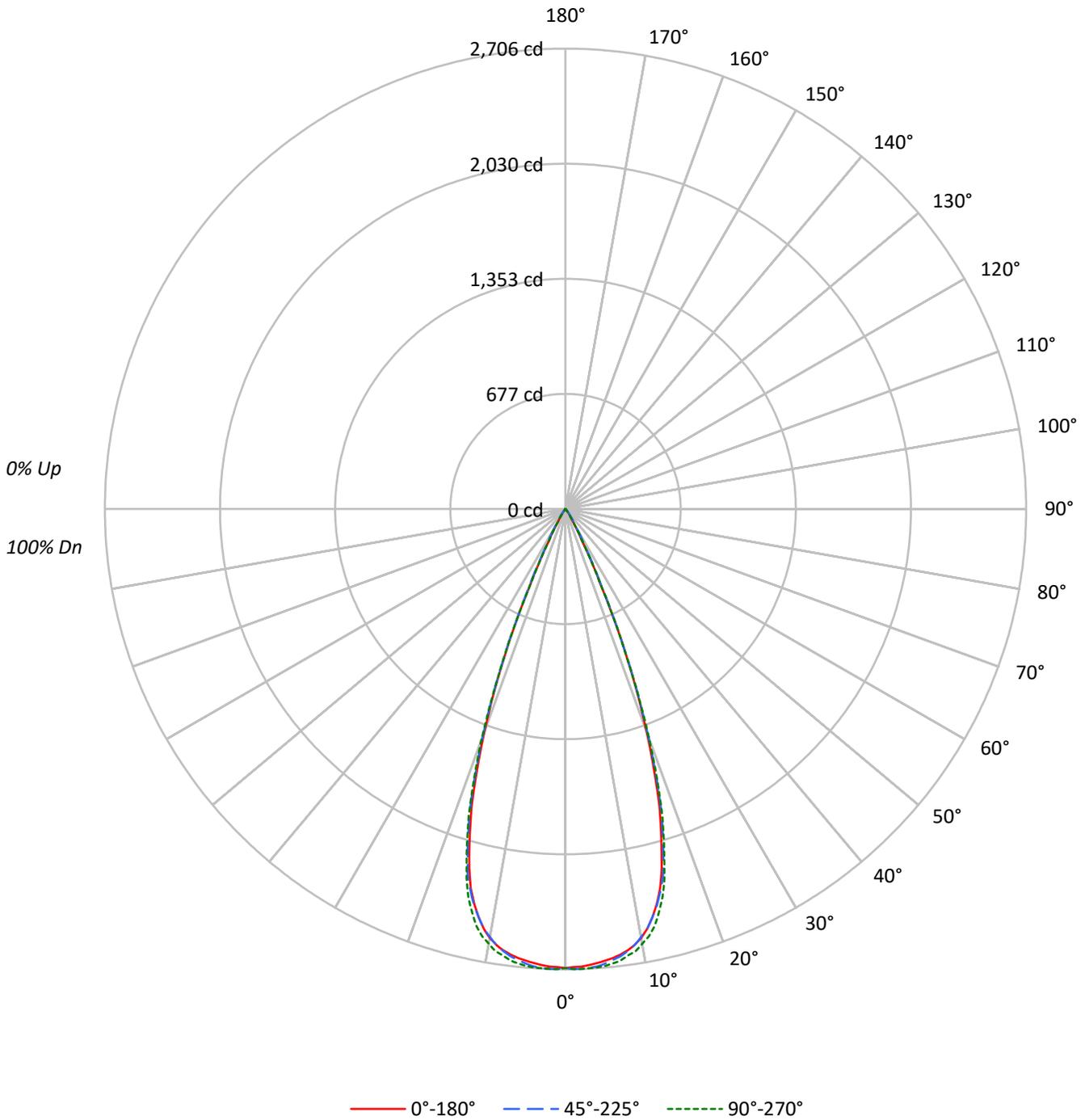
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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 (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





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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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	464846	464846	464846
5°	460813	463717	465930
10°	447691	446852	453847
15°	389456	395732	400582
20°	255614	260599	263953
25°	91118	96439	90681
30°	19867	26867	20026
35°	6391	11101	6223
40°	1978	3417	1799
45°	195	1169	195
50°	0	214	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: 1169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	22.2
10°-20°	587.8	51.8
20°-30°	263.6	23.2
30°-40°	28.5	2.5
40°-50°	2.6	0.2
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°	1103.9	97.3
0°-40°	1132.3	99.8
0°-60°	1135.0	100.0
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2699	2699	2699	2699	2699	
5°	2666	2673	2682	2686	2695	251
15°	2184	2200	2220	2232	2247	580
25°	480	494	508	516	477	256
35°	30	35	53	34	30	24
45°	1	2	5	2	1	2
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°	2699.1	2699.1	2699.1	2699.1	2699.1
1°	2693.5	2699.1	2703.9	2699.9	2705.5
2°	2691.1	2697.5	2704.7	2700.7	2705.5
3°	2684.7	2692.7	2700.7	2698.3	2703.1
4°	2675.9	2682.3	2694.3	2694.3	2701.5
5°	2665.5	2672.7	2682.3	2686.3	2695.1
6°	2654.3	2658.3	2665.5	2673.5	2685.5
7°	2639.9	2639.9	2648.7	2656.7	2672.7
8°	2619.9	2618.3	2624.7	2635.1	2649.5
9°	2595.2	2589.6	2594.4	2609.5	2631.1
10°	2560.0	2555.2	2555.2	2574.4	2595.2
11°	2514.4	2512.8	2513.6	2532.0	2560.0
12°	2452.9	2454.5	2454.5	2475.3	2509.6
13°	2383.4	2382.6	2389.8	2412.9	2436.1
14°	2298.6	2303.4	2310.6	2331.4	2355.4
15°	2184.3	2200.3	2219.5	2232.3	2246.7
17.5°	1836.7	1852.7	1879.0	1889.4	1892.6
20°	1394.7	1417.9	1421.9	1442.6	1440.2
22.5°	935.1	933.5	936.7	939.1	939.9
25°	479.5	493.9	507.5	516.3	477.2
27.5°	208.6	233.4	251.0	227.8	211.0
30°	99.9	113.5	135.1	114.3	100.7
32.5°	54.3	63.1	85.5	62.3	53.5
35°	30.4	35.2	52.8	34.4	29.6
37.5°	17.6	19.2	28.8	19.2	16.8
40°	8.8	11.2	15.2	11.2	8.0
42.5°	3.2	5.6	8.0	5.6	3.2
45°	0.8	1.6	4.8	1.6	0.8
47.5°	0.0	0.0	2.4	0.0	0.0
50°	0.0	0.0	0.8	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



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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)