

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: P1312425

Luminaire Tested: LDSQA3D09R409050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

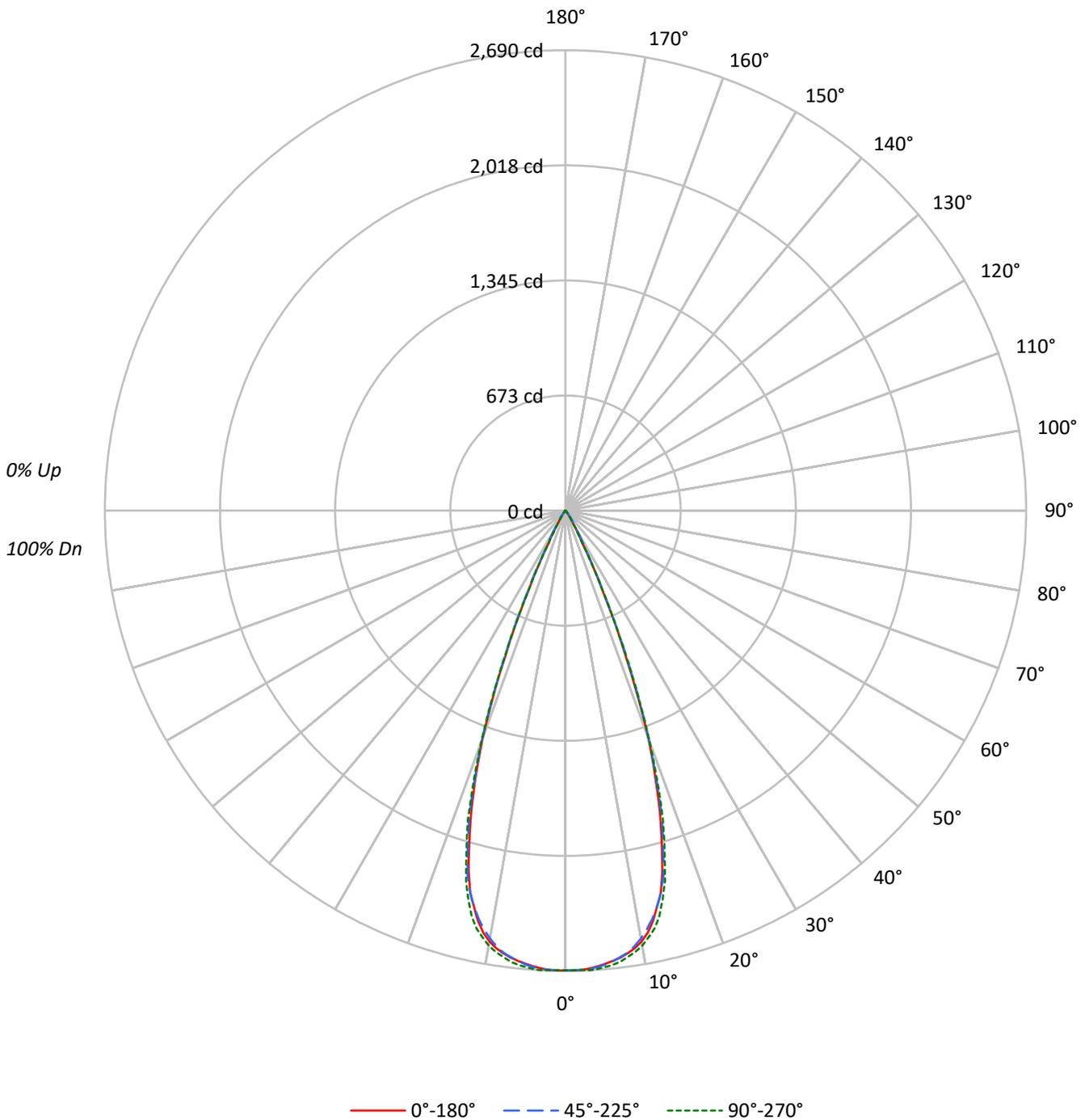
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1137.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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 (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





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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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	462676	462676	462676
5°	459603	460294	462784
10°	447167	443809	451224
15°	389617	393611	399726
20°	259518	260838	263330
25°	94348	97237	94804
30°	20026	26867	20026
35°	7064	11942	6728
40°	2518	3777	2518
45°	585	1559	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	652	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	22.1
10°-20°	585.0	51.5
20°-30°	263.3	23.2
30°-40°	30.0	2.6
40°-50°	4.3	0.4
50°-60°	1.5	0.1
60°-70°	1.2	0.1
70°-80°	0.7	0.1
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°	1099.3	96.7
0°-40°	1129.3	99.3
0°-60°	1135.0	99.8
0°-90°	1137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2686	2686	2686	2686	2686	
5°	2658	2655	2662	2674	2677	251
15°	2185	2191	2208	2225	2242	580
25°	496	500	512	512	499	257
35°	34	38	57	36	32	25
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	2686.5	2686.5	2686.5	2686.5	2686.5
1°	2688.1	2685.7	2684.9	2689.7	2685.7
2°	2685.7	2684.1	2684.9	2689.7	2686.5
3°	2678.5	2679.3	2681.7	2690.5	2689.7
4°	2669.7	2668.9	2673.7	2684.9	2684.9
5°	2658.5	2655.3	2662.5	2674.5	2676.9
6°	2645.7	2641.7	2647.3	2662.5	2668.1
7°	2631.3	2623.3	2628.1	2646.5	2653.7
8°	2612.1	2601.7	2607.3	2625.7	2631.3
9°	2588.2	2572.2	2577.0	2599.3	2610.5
10°	2557.0	2537.0	2537.8	2562.6	2580.2
11°	2513.0	2490.6	2491.4	2522.6	2541.0
12°	2454.6	2434.6	2438.6	2467.4	2497.0
13°	2375.5	2369.9	2374.7	2405.9	2433.0
14°	2298.7	2293.1	2301.9	2330.7	2343.5
15°	2185.2	2190.8	2207.6	2225.2	2241.9
17.5°	1825.4	1847.0	1867.0	1878.9	1893.3
20°	1416.0	1391.2	1423.2	1408.8	1436.8
22.5°	913.9	932.3	940.3	932.3	935.5
25°	496.5	499.7	511.7	511.7	498.9
27.5°	211.1	227.9	243.1	237.5	211.1
30°	100.7	115.9	135.1	116.7	100.7
32.5°	56.8	67.2	87.2	65.6	55.2
35°	33.6	37.6	56.8	36.0	32.0
37.5°	20.0	20.8	31.2	21.6	19.2
40°	11.2	13.6	16.8	13.6	11.2
42.5°	5.6	8.0	10.4	8.0	5.6
45°	2.4	4.0	6.4	4.0	2.4
47.5°	2.4	2.4	4.0	2.4	2.4
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	1.6	1.6	1.6	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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)