

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: P1320118

Luminaire Tested: LDSQA3D13R359840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

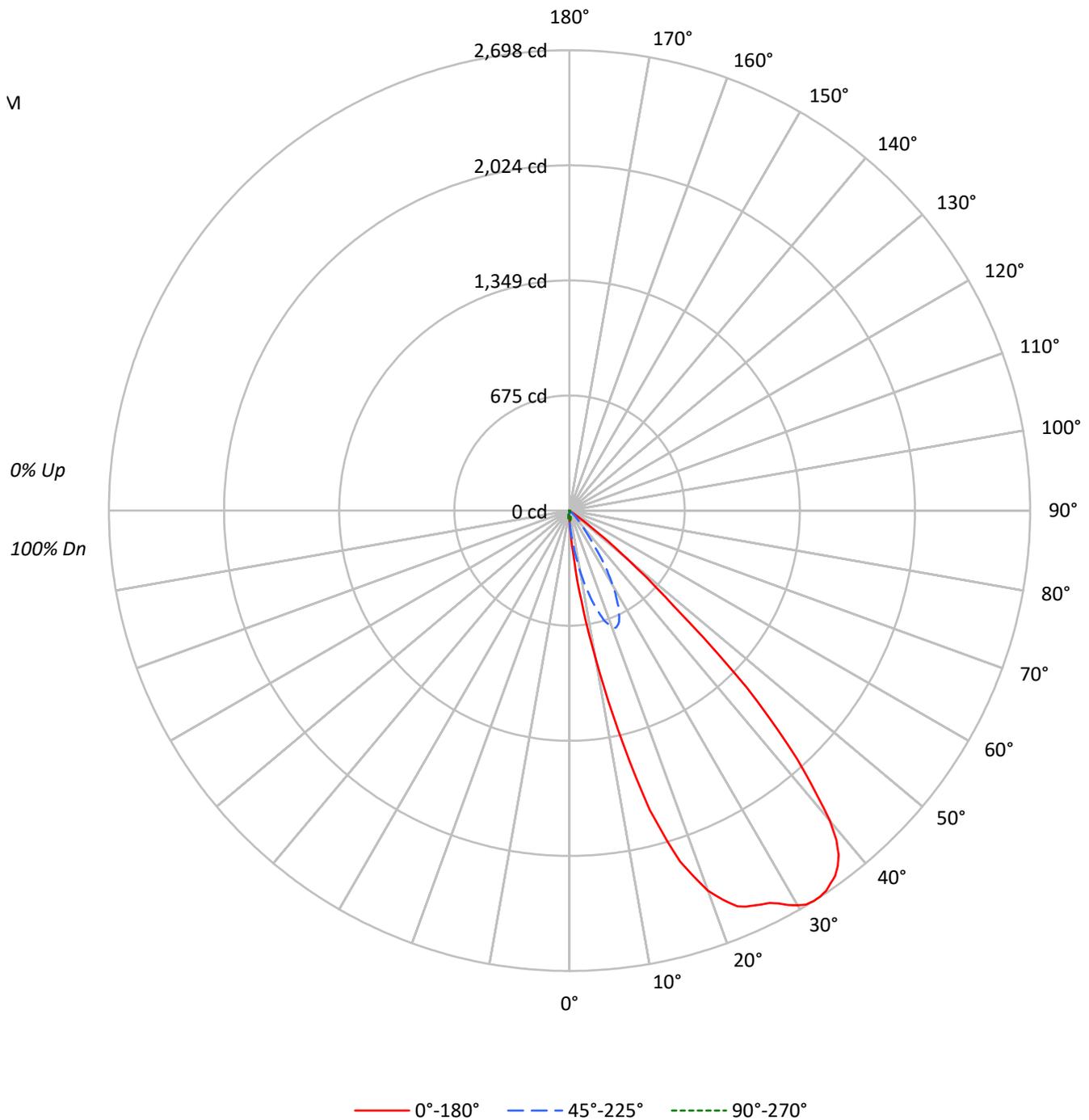
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 806.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10454	10454	10454	10454	10454
5°	45468	28180	9699	3458	2386
10°	153020	63604	7257	804	262
15°	323825	104340	4529	0	0
20°	434198	133315	2108	0	0
25°	485252	130928	437	0	0
30°	531210	100308	0	0	0
35°	560639	54643	0	0	0
40°	532960	24550	0	0	0
45°	357692	10863	0	0	0
50°	119497	1018	0	0	0
55°	6456	0	0	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	998	0	0
80°	0	793	1488	0	0
85°	0	1581	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 357692 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	1.6
10°-20°	111.8	13.9
20°-30°	245.4	30.4
30°-40°	283.8	35.2
40°-50°	140.1	17.4
50°-60°	10.4	1.3
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.5	0.1
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°	370.3	45.9
0°-40°	654.1	81.2
0°-60°	804.5	99.8
0°-90°	806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	263	163	56	20	14	45
15°	1816	585	25	0	0	513
25°	2554	689	2	0	0	1181
35°	2667	260	0	0	0	1647
45°	1469	45	0	0	0	1078
55°	22	0	0	0	0	88
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
2.5°	120.7	123.8	122.3	122.3	121.5	117.6	110.7	108.4	100.0	79.2	61.5
5°	263.0	263.7	261.4	249.9	239.9	230.7	210.7	201.5	163.0	96.9	56.1
7.5°	533.6	522.1	507.5	491.3	456.0	423.7	381.4	336.8	252.2	112.3	50.0
10°	875.0	858.9	846.6	808.1	744.3	678.2	597.5	524.4	363.7	123.0	41.5
12.5°	1315.6	1306.4	1262.6	1185.7	1091.1	995.8	855.0	738.9	476.0	125.3	33.8
15°	1816.2	1800.8	1733.9	1624.7	1496.3	1346.4	1158.0	962.7	585.2	118.4	25.4
17.5°	2158.4	2149.9	2092.2	1977.7	1830.0	1639.3	1416.4	1172.6	675.1	103.8	17.7
20°	2369.1	2356.8	2302.9	2206.0	2051.5	1852.3	1587.8	1306.4	727.4	85.4	11.5
21°	2423.6	2411.3	2368.3	2267.6	2119.9	1906.2	1634.7	1338.7	737.4	76.9	9.2
22°	2475.2	2462.9	2417.5	2328.3	2182.2	1959.2	1671.6	1363.3	735.9	70.0	6.9
23°	2518.2	2505.2	2460.6	2378.3	2231.4	2006.1	1699.3	1375.6	725.9	63.1	5.4
24°	2540.5	2532.8	2492.8	2415.2	2271.4	2039.2	1718.5	1380.2	713.6	56.1	3.8
25°	2553.6	2544.4	2505.2	2433.6	2297.5	2065.3	1730.8	1376.4	689.0	50.0	2.3
26°	2567.4	2553.6	2509.0	2439.8	2311.4	2077.6	1731.6	1366.4	662.8	44.6	0.8
27°	2579.7	2566.7	2520.5	2444.4	2313.7	2073.8	1725.5	1347.2	631.3	39.2	0.8
28°	2606.7	2592.0	2539.0	2454.4	2316.0	2063.8	1706.2	1321.0	589.8	34.6	0.0
29°	2642.0	2626.6	2565.9	2478.2	2321.4	2053.0	1680.1	1286.4	553.6	30.8	0.0
30°	2671.2	2657.4	2601.3	2508.2	2335.2	2043.0	1649.3	1239.5	504.4	26.1	0.0
31°	2692.8	2678.9	2627.4	2533.6	2347.5	2033.8	1610.9	1191.1	459.8	23.1	0.0
32°	2698.2	2686.6	2638.2	2544.4	2347.5	2020.0	1575.5	1136.5	416.0	19.2	0.0
33°	2695.8	2684.3	2635.1	2536.7	2326.8	1986.9	1532.5	1071.1	366.0	16.9	0.0
34°	2687.4	2673.5	2621.3	2512.1	2286.0	1930.8	1470.2	1005.8	313.7	13.8	0.0
35°	2666.6	2654.3	2597.4	2465.9	2223.0	1845.4	1387.1	930.4	259.9	11.5	0.0
36°	2646.6	2628.2	2558.2	2409.0	2139.9	1757.8	1287.9	843.5	213.8	9.2	0.0
37°	2609.7	2583.6	2512.8	2326.8	2022.3	1634.0	1174.9	748.2	179.2	6.9	0.0
38°	2560.5	2525.1	2435.2	2231.4	1903.9	1517.9	1068.8	662.0	150.7	4.6	0.0
39°	2484.4	2442.9	2320.6	2100.7	1767.0	1383.3	947.3	570.5	128.4	3.1	0.0
40°	2370.6	2331.4	2196.0	1945.4	1630.9	1234.9	822.7	467.5	109.2	1.5	0.0
42.5°	1973.8	1920.0	1763.1	1514.0	1205.7	888.1	544.4	259.9	72.3	0.0	0.0
45°	1468.6	1421.0	1267.2	1040.4	803.5	543.6	291.4	153.0	44.6	0.0	0.0
47.5°	829.7	824.3	724.3	597.5	448.3	289.1	147.6	92.3	19.2	0.0	0.0
50°	446.0	418.3	360.6	273.7	186.8	126.1	80.0	50.7	3.8	0.0	0.0
52.5°	163.0	157.6	132.3	110.0	84.6	57.7	40.8	22.3	0.0	0.0	0.0
55°	21.5	20.0	20.8	22.3	23.1	20.0	13.1	4.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.5	1.5	1.5	0.0	0.0	0.0	0.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	60.7	60.7	60.7	60.7
2.5°	46.9	36.1	30.8	30.0
5°	32.3	20.0	14.6	13.8
7.5°	22.3	10.0	6.9	6.2
10°	13.1	4.6	2.3	1.5
12.5°	7.7	0.8	0.0	0.0
15°	2.3	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)