

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: P1312400

Luminaire Tested: LDSQA3D09R359050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312400
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: LDSQA3D09R359050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

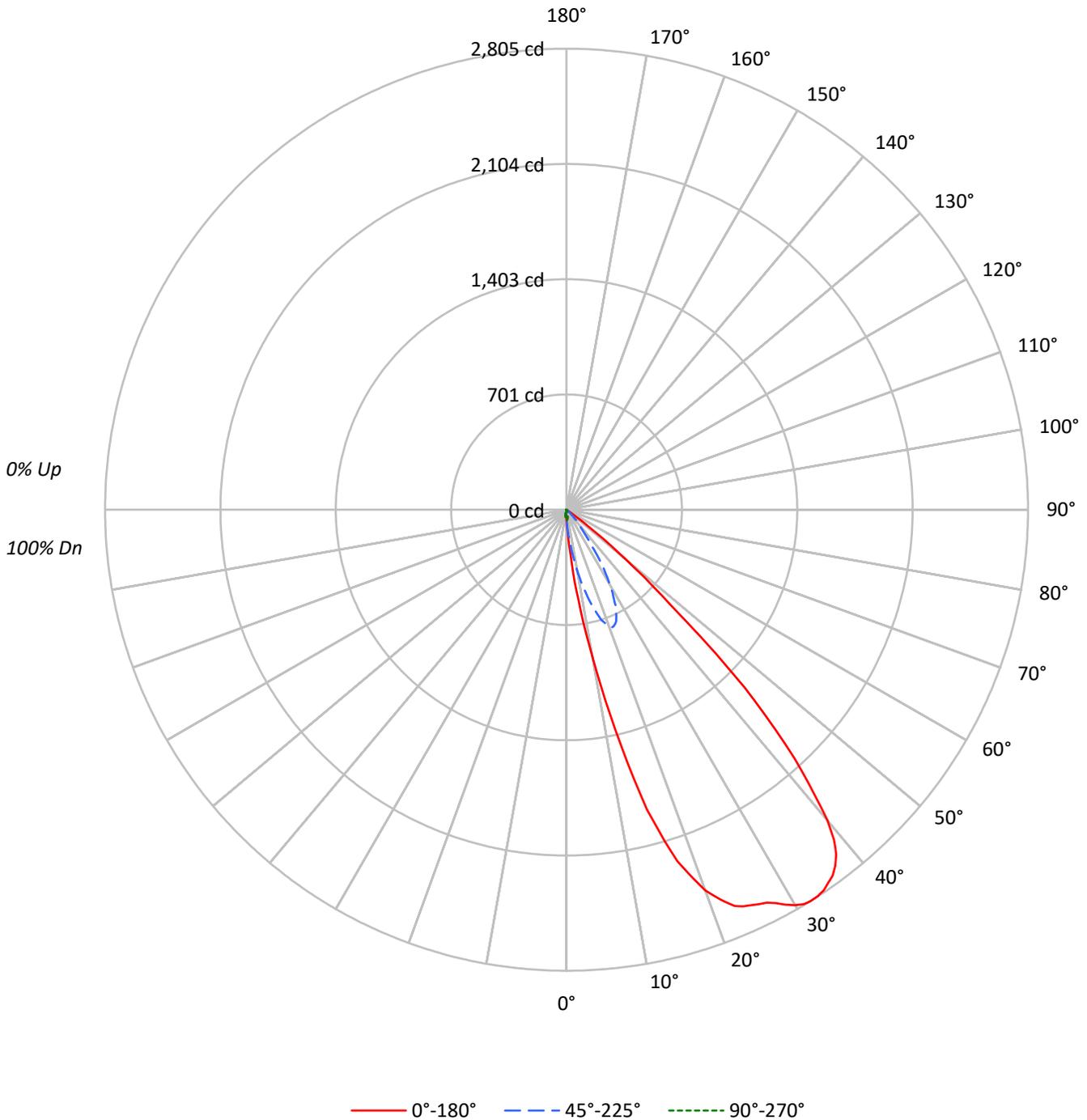
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 838.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
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				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°	10884	10884	10884	10884	10884
5°	47266	29303	10096	3596	2489
10°	159105	66122	7555	839	280
15°	336680	108477	4707	0	0
20°	451426	138611	2199	0	0
25°	504521	136116	456	0	0
30°	552309	104285	0	0	0
35°	582904	56808	0	0	0
40°	554116	25517	0	0	0
45°	371916	11301	0	0	0
50°	124240	1072	0	0	0
55°	6726	0	0	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1065	0	0
80°	0	793	1587	0	0
85°	0	1581	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 371916 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	1.6
10°-20°	116.3	13.9
20°-30°	255.1	30.4
30°-40°	295.1	35.2
40°-50°	145.7	17.4
50°-60°	10.8	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°	385.0	45.9
0°-40°	680.0	81.1
0°-60°	836.5	99.8
0°-90°	838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	63	63	63	63	63	
5°	273	170	58	21	14	47
15°	1888	608	26	0	0	533
25°	2655	716	2	0	0	1227
35°	2772	270	0	0	0	1712
45°	1527	46	0	0	0	1121
55°	22	0	0	0	0	91
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°	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
2.5°	125.5	128.7	127.1	127.1	126.3	122.3	115.1	112.7	103.9	82.3	64.0
5°	273.4	274.2	271.8	259.8	249.4	239.8	219.0	209.5	169.5	100.7	58.4
7.5°	554.8	542.8	527.6	510.8	474.1	440.5	396.5	350.2	262.2	116.7	52.0
10°	909.8	893.0	880.2	840.2	773.9	705.1	621.2	545.2	378.1	127.9	43.2
12.5°	1367.9	1358.3	1312.7	1232.8	1134.4	1035.3	889.0	768.3	494.9	130.3	35.2
15°	1888.3	1872.3	1802.8	1689.2	1555.7	1399.8	1204.0	1000.9	608.4	123.1	26.4
17.5°	2244.1	2235.3	2175.3	2056.2	1902.7	1704.4	1472.6	1219.2	701.9	107.9	18.4
20°	2463.1	2450.3	2394.4	2293.6	2132.9	1925.9	1650.9	1358.3	756.3	88.7	12.0
21°	2519.9	2507.1	2462.3	2357.6	2204.1	1981.8	1699.6	1391.8	766.7	79.9	9.6
22°	2573.4	2560.6	2513.5	2420.7	2268.8	2037.0	1738.0	1417.4	765.1	72.8	7.2
23°	2618.2	2604.6	2558.2	2472.7	2320.0	2085.8	1766.8	1430.2	754.7	65.6	5.6
24°	2641.4	2633.4	2591.8	2511.1	2361.6	2120.1	1786.8	1435.0	741.9	58.4	4.0
25°	2655.0	2645.4	2604.6	2530.3	2388.8	2147.3	1799.6	1431.0	716.3	52.0	2.4
26°	2669.4	2655.0	2608.6	2536.7	2403.2	2160.1	1800.4	1420.6	689.1	46.4	0.8
27°	2682.2	2668.6	2620.6	2541.5	2405.5	2156.1	1794.0	1400.6	656.3	40.8	0.8
28°	2710.1	2695.0	2639.8	2551.8	2407.9	2145.7	1774.0	1373.5	613.2	36.0	0.0
29°	2746.9	2730.9	2667.8	2576.6	2413.5	2134.5	1746.8	1337.5	575.6	32.0	0.0
30°	2777.3	2762.9	2704.5	2607.8	2427.9	2124.1	1714.8	1288.7	524.4	27.2	0.0
31°	2799.7	2785.3	2731.7	2634.2	2440.7	2114.5	1674.9	1238.4	478.1	24.0	0.0
32°	2805.3	2793.3	2742.9	2645.4	2440.7	2100.2	1638.1	1181.6	432.5	20.0	0.0
33°	2802.9	2790.9	2739.7	2637.4	2419.1	2065.8	1593.3	1113.6	380.5	17.6	0.0
34°	2794.1	2779.7	2725.3	2611.8	2376.8	2007.4	1528.6	1045.7	326.2	14.4	0.0
35°	2772.5	2759.7	2700.5	2563.8	2311.2	1918.7	1442.2	967.3	270.2	12.0	0.0
36°	2751.7	2732.5	2659.8	2504.7	2224.9	1827.5	1339.1	877.0	222.2	9.6	0.0
37°	2713.3	2686.2	2612.6	2419.1	2102.6	1698.8	1221.6	777.9	186.3	7.2	0.0
38°	2662.2	2625.4	2531.9	2320.0	1979.4	1578.1	1111.2	688.3	156.7	4.8	0.0
39°	2583.0	2539.9	2412.7	2184.1	1837.1	1438.2	984.9	593.2	133.5	3.2	0.0
40°	2464.7	2423.9	2283.2	2022.6	1695.6	1283.9	855.4	486.1	113.5	1.6	0.0
42.5°	2052.2	1996.2	1833.1	1574.1	1253.5	923.4	566.0	270.2	75.1	0.0	0.0
45°	1527.0	1477.4	1317.5	1081.7	835.4	565.2	303.0	159.1	46.4	0.0	0.0
47.5°	862.6	857.0	753.1	621.2	466.1	300.6	153.5	95.9	20.0	0.0	0.0
50°	463.7	434.9	374.9	284.6	194.3	131.1	83.1	52.8	4.0	0.0	0.0
52.5°	169.5	163.9	137.5	114.3	87.9	60.0	42.4	23.2	0.0	0.0	0.0
55°	22.4	20.8	21.6	23.2	24.0	20.8	13.6	4.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.6	1.6	1.6	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	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6



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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	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
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°	63.2	63.2	63.2	63.2
2.5°	48.8	37.6	32.0	31.2
5°	33.6	20.8	15.2	14.4
7.5°	23.2	10.4	7.2	6.4
10°	13.6	4.8	2.4	1.6
12.5°	8.0	0.8	0.0	0.0
15°	2.4	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)