

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: P1316417

Luminaire Tested: LDSQA3D09R309740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309740DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

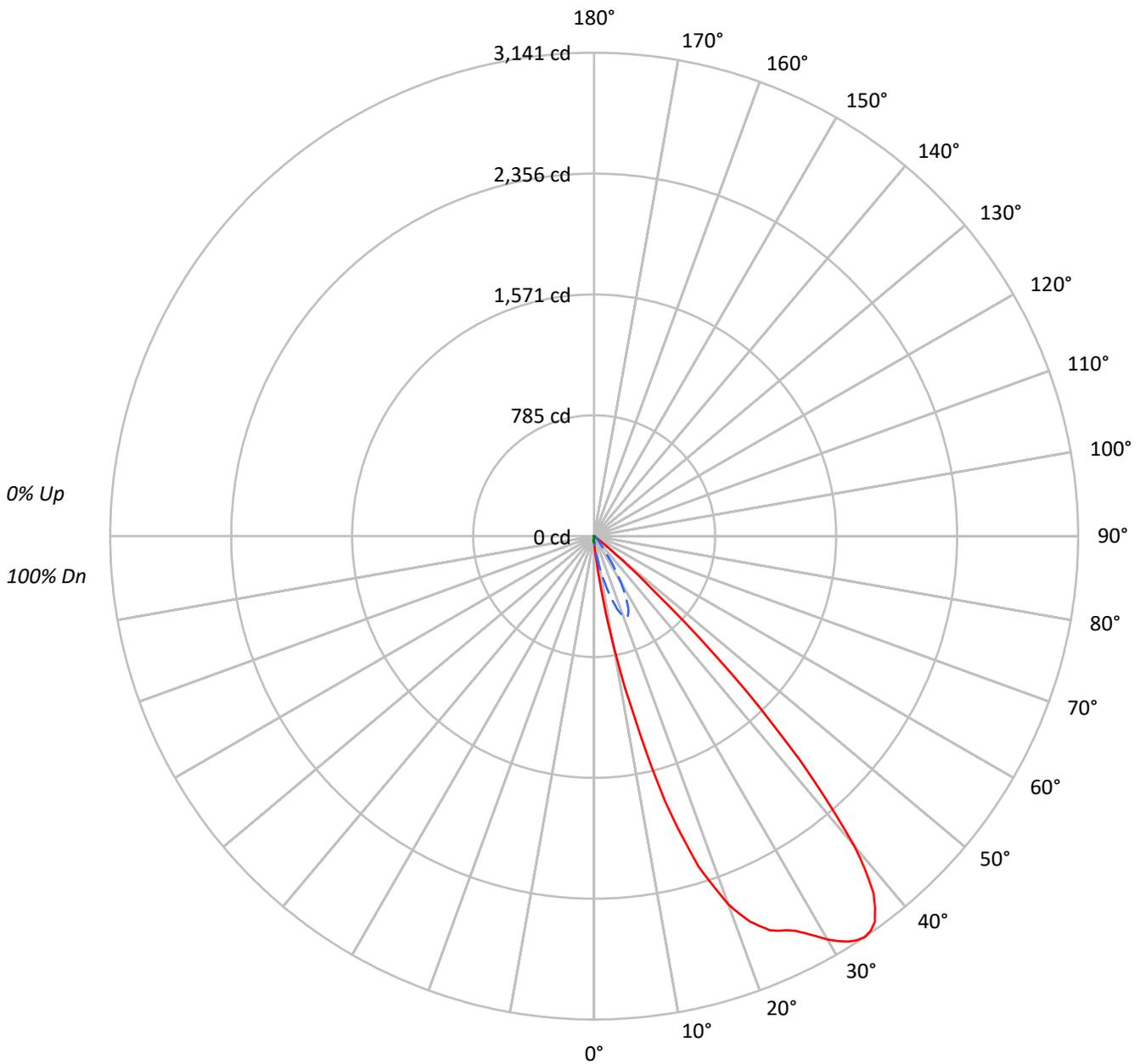
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 756.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6958	6958	6958	6958	6958
5°	25258	15698	6379	2576	1833
10°	125056	37599	4967	490	0
15°	319029	71604	3156	0	0
20°	466143	101810	1301	0	0
25°	537794	99897	266	0	0
30°	601887	68569	0	0	0
35°	658256	29539	0	0	0
40°	590806	11488	0	0	0
45°	301697	4676	0	0	0
50°	46566	563	0	0	0
55°	2762	0	210	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	1397	0	0
80°	0	694	2083	0	0
85°	0	1383	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 301697 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	1.1
10°-20°	100.7	13.3
20°-30°	248.9	32.9
30°-40°	286.3	37.9
40°-50°	106.2	14.0
50°-60°	3.9	0.5
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.6	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°	358.1	47.4
0°-40°	644.4	85.2
0°-60°	754.4	99.8
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	146	91	37	15	11	32
15°	1789	402	18	0	0	514
25°	2830	526	1	0	0	1308
35°	3131	140	0	0	0	1898
45°	1239	19	0	0	0	965
55°	9	0	1	0	0	32
65°	0	0	1	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°	45°	67.5°	90°	112.5°
0°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
2.5°	71.7	72.4	72.4	70.2	69.5	68.8	66.7	60.3	50.4	40.4	32.6
5°	146.1	146.9	146.9	142.6	134.1	125.6	118.5	90.8	58.2	36.9	24.1
7.5°	344.8	345.5	330.6	313.6	279.5	261.8	229.2	139.8	66.0	33.3	15.6
10°	715.1	699.5	660.5	610.8	558.3	490.2	421.4	215.0	71.7	28.4	9.9
12.5°	1195.4	1180.5	1130.2	1059.2	956.4	823.0	692.4	302.2	72.4	22.7	5.7
15°	1789.3	1747.4	1687.1	1569.3	1417.5	1211.1	995.4	401.6	69.5	17.7	1.4
17.5°	2249.7	2211.4	2134.8	1997.1	1808.4	1579.3	1314.6	495.9	61.7	11.4	0.0
20°	2543.4	2503.0	2431.3	2310.0	2109.2	1840.4	1537.4	555.5	51.1	7.1	0.0
21°	2627.1	2588.1	2517.9	2397.3	2197.2	1929.0	1592.0	568.3	46.1	5.7	0.0
22°	2700.9	2670.4	2605.2	2473.9	2270.3	1994.3	1647.4	569.7	42.6	4.3	0.0
23°	2752.7	2730.7	2665.5	2544.9	2341.9	2047.5	1677.2	561.2	38.3	2.8	0.0
24°	2802.4	2775.4	2719.4	2607.3	2398.7	2092.2	1704.1	545.6	34.1	2.1	0.0
25°	2830.1	2798.8	2755.6	2650.6	2445.5	2120.6	1720.5	525.7	29.8	1.4	0.0
26°	2849.2	2825.1	2777.6	2676.1	2465.4	2139.0	1722.6	496.6	27.0	0.7	0.0
27°	2878.3	2854.2	2808.1	2698.8	2473.9	2136.2	1709.8	463.3	23.4	0.0	0.0
28°	2922.3	2890.4	2844.2	2722.9	2477.5	2124.1	1681.4	427.1	19.9	0.0	0.0
29°	2972.7	2940.0	2889.6	2754.9	2478.2	2100.0	1636.7	387.4	17.7	0.0	0.0
30°	3026.6	2998.2	2947.1	2786.1	2486.0	2068.8	1584.9	344.8	14.2	0.0	0.0
31°	3069.1	3043.6	2989.0	2814.4	2492.3	2041.8	1521.1	302.2	12.1	0.0	0.0
32°	3106.0	3083.3	3015.9	2820.8	2479.6	2003.5	1453.0	261.1	9.9	0.0	0.0
33°	3131.6	3103.2	3024.4	2804.5	2442.7	1940.4	1377.1	222.1	7.8	0.0	0.0
34°	3140.8	3106.7	3011.7	2761.9	2368.2	1844.6	1278.5	181.6	6.4	0.0	0.0
35°	3130.9	3089.0	2965.6	2688.9	2267.4	1730.4	1160.0	140.5	5.0	0.0	0.0
36°	3098.9	3045.7	2899.6	2584.6	2123.4	1595.6	1041.5	109.3	3.5	0.0	0.0
37°	3030.1	2971.2	2786.8	2446.9	1980.8	1440.9	906.7	85.1	2.1	0.0	0.0
38°	2945.7	2860.6	2636.4	2273.1	1796.4	1267.1	773.3	70.2	1.4	0.0	0.0
39°	2801.7	2708.0	2457.6	2073.1	1615.5	1101.8	643.5	61.0	0.7	0.0	0.0
40°	2627.9	2516.5	2253.3	1858.8	1401.9	928.7	537.1	51.1	0.7	0.0	0.0
42.5°	1982.2	1887.9	1604.8	1264.3	857.0	547.7	298.0	33.3	0.0	0.0	0.0
45°	1238.7	1140.1	948.6	693.1	464.0	283.8	143.3	19.2	0.0	0.0	0.0
47.5°	505.8	464.0	381.7	293.7	210.0	133.4	59.6	8.5	0.0	0.0	0.0
50°	173.8	154.7	129.8	95.1	67.4	46.1	31.2	2.1	0.0	0.0	0.0
52.5°	50.4	51.1	44.7	38.3	29.8	21.3	15.6	0.0	0.0	0.0	0.0
55°	9.2	7.8	9.2	8.5	9.2	7.8	5.7	0.0	0.0	0.7	0.0
57.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	0.7
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):

	135°	157.5°	180°
0°	40.4	40.4	40.4
2.5°	26.3	23.4	22.0
5°	14.9	11.4	10.6
7.5°	7.8	5.0	4.3
10°	2.8	0.7	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)