

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: P1315647

Luminaire Tested: LDSQA3D13R409735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

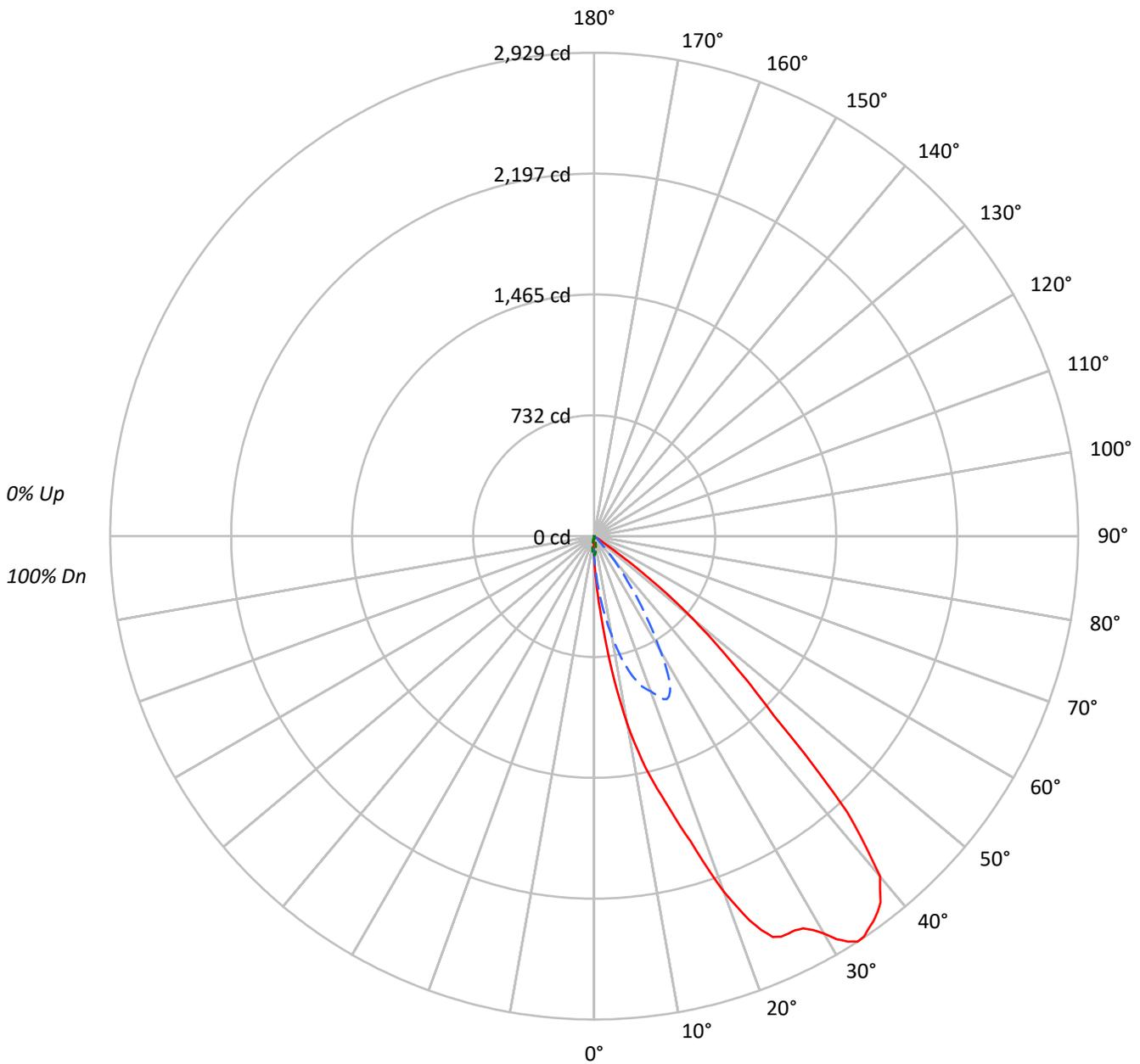
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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



0% Up
100% Dn

— 0°-180° - - 45°-225° ···· 90°-270°



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19806	19806	19806	19806	19806
5°	84037	57275	17374	3129	1573
10°	202003	106554	10773	315	0
15°	297312	154798	4511	0	0
20°	420269	183495	1668	0	0
25°	509024	203690	0	0	0
30°	552687	159331	0	0	0
35°	609437	93265	0	0	0
40°	604880	37860	0	0	0
45°	374619	11033	0	0	0
50°	208584	241	0	0	0
55°	20388	0	0	0	0
60°	0	0	310	0	0
65°	0	0	367	0	0
70°	0	453	906	0	0
75°	0	599	1198	0	0
80°	0	893	1785	0	0
85°	0	1778	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 376373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	2.2
10°-20°	126.7	12.9
20°-30°	289.2	29.4
30°-40°	341.5	34.7
40°-50°	182.5	18.6
50°-60°	19.8	2.0
60°-70°	0.4	0.0
70°-80°	0.7	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°	437.5	44.5
0°-40°	779.0	79.2
0°-60°	981.3	99.8
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	486	331	100	18	9	68
15°	1668	868	25	0	0	495
25°	2679	1072	0	0	0	1216
35°	2899	444	0	0	0	1790
45°	1538	45	0	0	0	1268
55°	68	0	0	0	0	190
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°	35°	45°	67.5°	90°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	268.0	262.5	266.2	258.9	258.9	242.6	243.5	229.9	210.0	160.2	114.1
5°	486.1	507.9	490.7	468.0	455.4	439.1	417.3	394.7	331.3	200.1	100.5
7.5°	813.9	812.0	783.1	758.6	730.6	687.1	646.4	591.2	471.7	229.0	83.3
10°	1155.1	1148.8	1116.2	1095.4	1042.0	979.5	896.2	807.5	609.3	239.0	61.6
12.5°	1439.4	1431.3	1404.1	1368.8	1310.0	1231.2	1141.6	1024.8	754.1	228.1	39.8
15°	1667.5	1665.7	1639.5	1591.5	1529.9	1453.0	1351.6	1211.3	868.2	200.1	25.3
17.5°	1938.2	1949.1	1902.0	1850.4	1761.7	1654.0	1529.9	1369.7	952.4	165.7	16.3
20°	2293.1	2277.7	2234.2	2159.1	2074.0	1944.6	1768.9	1539.9	1001.2	128.6	9.1
21°	2401.7	2395.4	2350.1	2280.4	2186.3	2055.0	1873.9	1626.8	1023.9	115.0	7.2
22°	2512.2	2501.3	2466.0	2398.1	2309.4	2160.9	1961.8	1716.4	1052.8	100.5	4.5
23°	2594.6	2590.0	2562.9	2495.9	2404.4	2260.5	2056.8	1799.7	1072.8	86.9	2.7
24°	2657.9	2652.5	2625.3	2574.6	2495.9	2345.6	2152.8	1889.3	1080.9	75.1	0.9
25°	2678.7	2681.5	2665.2	2625.3	2559.2	2409.0	2224.3	1959.9	1071.9	64.3	0.0
26°	2679.7	2687.8	2676.0	2653.4	2599.1	2459.7	2291.3	2001.6	1048.3	54.3	0.0
27°	2679.7	2687.8	2676.0	2658.8	2605.4	2488.6	2327.5	2006.1	1012.1	46.2	0.0
28°	2692.3	2696.9	2681.5	2660.6	2602.7	2497.7	2337.5	1979.0	954.2	39.8	0.0
29°	2727.6	2723.1	2697.8	2669.7	2600.0	2497.7	2307.6	1927.4	881.7	33.5	0.0
30°	2779.2	2779.2	2739.4	2695.0	2612.7	2496.8	2259.6	1834.1	801.2	27.2	0.0
31°	2848.9	2842.6	2802.8	2736.7	2639.8	2496.8	2189.0	1730.9	726.9	23.5	0.0
32°	2896.0	2892.4	2854.4	2776.5	2684.2	2496.8	2112.9	1616.8	646.4	19.0	0.0
33°	2928.6	2921.4	2877.9	2797.3	2711.3	2484.1	2027.8	1494.6	574.0	15.4	0.0
34°	2924.1	2922.3	2877.0	2793.7	2705.9	2431.6	1929.2	1358.8	507.0	12.7	0.0
35°	2898.7	2898.7	2843.5	2757.5	2667.0	2354.7	1831.4	1243.0	443.6	9.1	0.0
36°	2879.7	2872.5	2810.0	2714.1	2601.8	2233.3	1686.6	1126.2	375.7	7.2	0.0
37°	2851.7	2838.1	2768.4	2665.2	2509.5	2102.1	1534.5	1022.1	317.8	4.5	0.0
38°	2815.4	2794.6	2709.5	2608.1	2408.1	1950.9	1379.7	905.3	264.3	2.7	0.0
39°	2749.4	2732.2	2644.3	2534.8	2286.8	1791.6	1229.4	795.7	213.6	0.9	0.0
40°	2690.5	2660.6	2561.1	2435.2	2144.6	1611.4	1080.0	688.0	168.4	0.0	0.0
42.5°	2268.7	2237.0	2214.3	2089.4	1708.3	1157.0	754.1	440.9	87.8	0.0	0.0
45°	1538.1	1545.3	1474.7	1390.5	1127.1	754.1	471.7	245.3	45.3	0.0	0.0
47.5°	1121.7	1102.6	1006.7	847.3	660.9	440.9	246.2	118.6	18.1	0.0	0.0
50°	778.5	742.3	655.4	535.9	359.4	210.0	108.6	55.2	0.9	0.0	0.0
52.5°	422.8	397.4	336.8	244.4	149.4	80.6	43.5	22.6	0.0	0.0	0.0
55°	67.9	47.1	48.9	41.6	32.6	23.5	13.6	2.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8



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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	0.9	0.9	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
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°	115.0	115.0	115.0	115.0
2.5°	76.9	52.5	39.8	34.4
5°	44.4	18.1	10.0	9.1
7.5°	21.7	6.3	3.6	3.6
10°	9.1	1.8	0.0	0.0
12.5°	2.7	0.0	0.0	0.0
15°	0.0	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°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.0	0.0	0.0
85°	0.9	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)