

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: P1317132

Luminaire Tested: LDSQA3D05R159827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159827DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

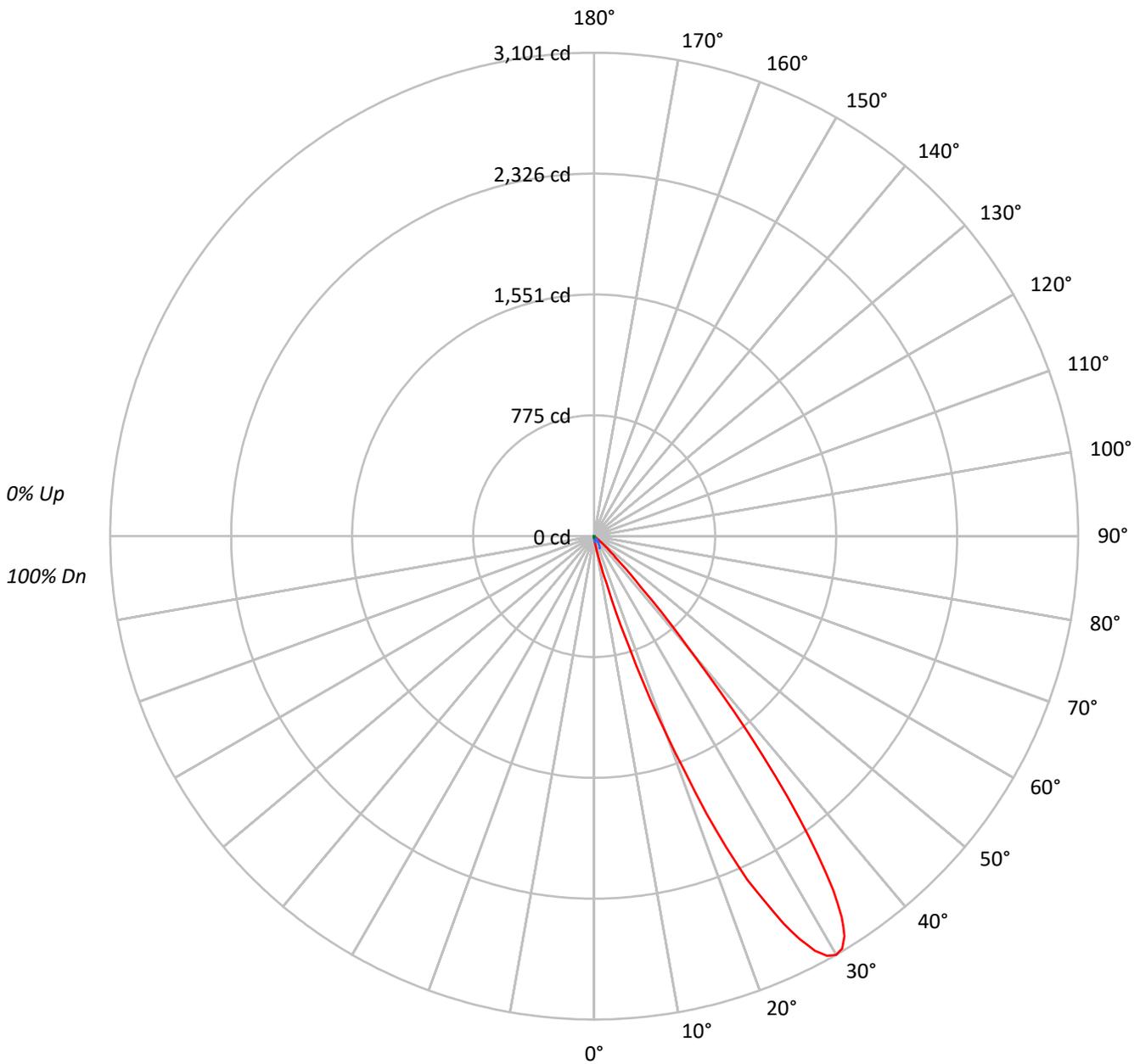
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 328.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92				92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55				55
7	76	65	58	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50				50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45				45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41				41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2015	2015	2015	2015	2015
5°	5843	4408	1729	709	484
10°	15197	6575	1154	0	0
15°	60764	10769	606	0	0
20°	248247	15872	183	0	0
25°	490706	15734	0	0	0
30°	616762	12409	0	0	0
35°	526243	7611	0	0	0
40°	216660	2406	0	0	0
45°	46885	999	0	0	0
50°	6002	0	0	0	0
55°	510	0	90	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	151	504	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°
 Vertical Angle: 45°
 Luminance: 49053 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	23.0	7.0
20°-30°	134.0	40.9
30°-40°	143.7	43.8
40°-50°	24.2	7.4
50°-60°	0.7	0.2
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.3	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°	158.5	48.3
0°-40°	302.2	92.1
0°-60°	327.2	99.8
0°-90°	328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	328.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	34	26	10	4	3	5
15°	341	60	3	0	0	158
25°	2582	83	0	0	0	1168
35°	2503	36	0	0	0	1438
45°	192	4	0	0	0	227
55°	2	0	0	0	0	4
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	21.4	21.7	22.1	22.1	22.1	22.1	21.7	21.7	21.7	21.7	21.4
5°	33.8	33.8	33.8	33.8	33.8	33.8	33.5	33.5	33.5	33.5	33.5
7.5°	48.3	47.6	47.9	46.9	47.6	47.3	46.9	47.6	47.6	45.9	45.9
10°	86.9	86.6	83.1	83.8	84.5	84.2	84.2	82.1	81.7	80.4	79.0
12.5°	167.6	171.4	174.2	174.2	167.6	170.0	165.6	166.6	167.3	165.2	158.0
15°	340.8	347.0	340.4	346.6	344.2	335.3	325.2	311.8	317.0	307.7	304.6
17.5°	746.4	760.5	754.7	726.0	735.3	713.3	699.5	694.3	679.8	636.7	618.8
20°	1354.5	1371.7	1355.5	1322.0	1332.7	1291.0	1280.3	1270.3	1206.1	1182.7	1107.5
21°	1610.4	1624.5	1630.7	1595.9	1574.5	1541.4	1513.8	1504.8	1465.9	1420.7	1343.4
22°	1919.4	1902.9	1865.6	1870.4	1838.7	1811.5	1773.2	1737.0	1693.5	1630.4	1566.6
23°	2175.3	2156.0	2138.4	2117.1	2082.9	2063.6	2008.8	1969.1	1912.5	1844.9	1783.5
24°	2413.7	2384.0	2373.0	2335.0	2325.4	2281.9	2237.4	2185.7	2117.4	2045.3	1977.4
25°	2582.3	2586.8	2577.2	2572.7	2523.4	2478.9	2434.7	2355.0	2296.8	2232.9	2128.4
26°	2763.1	2765.1	2760.3	2727.2	2682.7	2639.2	2582.3	2513.0	2428.5	2357.8	2263.3
27°	2901.4	2893.1	2886.2	2846.9	2810.3	2755.5	2703.7	2621.7	2539.2	2455.1	2345.4
28°	3011.8	2996.2	2987.6	2953.8	2911.0	2843.8	2780.3	2703.7	2621.3	2530.9	2412.3
29°	3078.3	3061.8	3052.1	3014.9	2965.5	2906.6	2842.4	2758.2	2669.6	2568.9	2449.5
30°	3101.4	3091.8	3076.6	3038.0	2986.9	2925.5	2859.6	2768.2	2675.5	2572.3	2446.1
31°	3086.3	3073.8	3059.3	3017.6	2962.4	2903.8	2827.2	2731.3	2633.7	2535.4	2401.6
32°	3025.9	3018.3	3000.7	2944.8	2900.0	2824.1	2748.6	2658.9	2552.3	2446.8	2325.7
33°	2912.8	2900.3	2885.2	2834.1	2776.9	2704.1	2628.9	2537.2	2431.3	2319.9	2186.7
34°	2740.3	2724.4	2705.5	2671.3	2598.2	2535.1	2448.2	2340.9	2253.3	2146.4	2026.0
35°	2503.0	2479.9	2457.1	2431.3	2349.2	2290.9	2232.3	2138.8	2054.3	1953.6	1817.3
36°	2236.7	2227.8	2209.1	2140.9	2114.3	2035.0	1987.7	1880.4	1812.2	1713.5	1601.1
37°	1935.6	1882.9	1909.8	1871.5	1791.5	1766.6	1710.4	1618.3	1544.5	1440.3	1358.9
38°	1612.8	1578.3	1597.3	1558.6	1516.9	1459.7	1416.9	1349.6	1266.9	1185.1	1107.9
39°	1278.2	1250.3	1271.0	1244.8	1181.3	1157.5	1119.6	1068.2	1001.6	937.8	864.7
40°	963.7	927.8	955.4	918.1	889.2	850.2	830.9	783.6	742.2	704.0	657.4
42.5°	440.1	436.3	430.1	416.7	413.5	413.9	390.1	374.6	353.5	329.0	314.2
45°	192.5	197.3	201.4	193.8	193.5	189.4	188.0	177.6	173.5	165.6	155.9
47.5°	94.9	96.6	95.5	97.6	95.9	93.1	92.4	91.1	86.9	86.6	82.1
50°	22.4	22.1	22.1	22.4	22.1	22.1	21.7	21.0	20.7	21.0	20.0
52.5°	7.2	7.6	7.2	6.9	7.2	7.6	7.2	7.2	7.2	7.2	7.2
55°	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.4	1.7	1.7	1.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	21.0	17.9	14.8	11.7	8.6	6.9	6.6	6.2
5°	31.7	25.5	16.9	10.0	5.9	4.1	3.1	2.8
7.5°	42.8	31.7	18.6	8.3	4.1	1.7	0.7	0.3
10°	61.4	37.6	19.3	6.6	2.1	0.0	0.0	0.0
12.5°	120.4	43.1	19.0	5.2	0.3	0.0	0.0	0.0
15°	200.0	60.4	17.6	3.4	0.0	0.0	0.0	0.0
17.5°	327.7	77.9	15.2	2.4	0.0	0.0	0.0	0.0
20°	508.1	86.6	11.7	1.0	0.0	0.0	0.0	0.0
21°	595.7	87.3	10.3	0.7	0.0	0.0	0.0	0.0
22°	671.5	87.3	9.0	0.3	0.0	0.0	0.0	0.0
23°	741.9	86.2	7.9	0.0	0.0	0.0	0.0	0.0
24°	799.8	84.8	7.2	0.0	0.0	0.0	0.0	0.0
25°	843.3	82.8	6.6	0.0	0.0	0.0	0.0	0.0
26°	863.3	80.0	5.5	0.0	0.0	0.0	0.0	0.0
27°	873.3	76.2	4.8	0.0	0.0	0.0	0.0	0.0
28°	866.4	72.1	4.1	0.0	0.0	0.0	0.0	0.0
29°	849.2	67.6	3.1	0.0	0.0	0.0	0.0	0.0
30°	826.7	62.4	2.4	0.0	0.0	0.0	0.0	0.0
31°	794.0	57.3	1.7	0.0	0.0	0.0	0.0	0.0
32°	749.1	52.1	1.4	0.0	0.0	0.0	0.0	0.0
33°	689.1	46.6	0.7	0.0	0.0	0.0	0.0	0.0
34°	615.0	41.0	0.3	0.0	0.0	0.0	0.0	0.0
35°	531.9	36.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	460.5	31.0	0.0	0.0	0.0	0.0	0.0	0.0
37°	388.7	24.8	0.0	0.0	0.0	0.0	0.0	0.0
38°	325.6	19.7	0.0	0.0	0.0	0.0	0.0	0.0
39°	269.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	223.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	123.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	74.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	43.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.7	0.3	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.7	1.0	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)