

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: P1319776

Luminaire Tested: LDSQA3D05R209840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

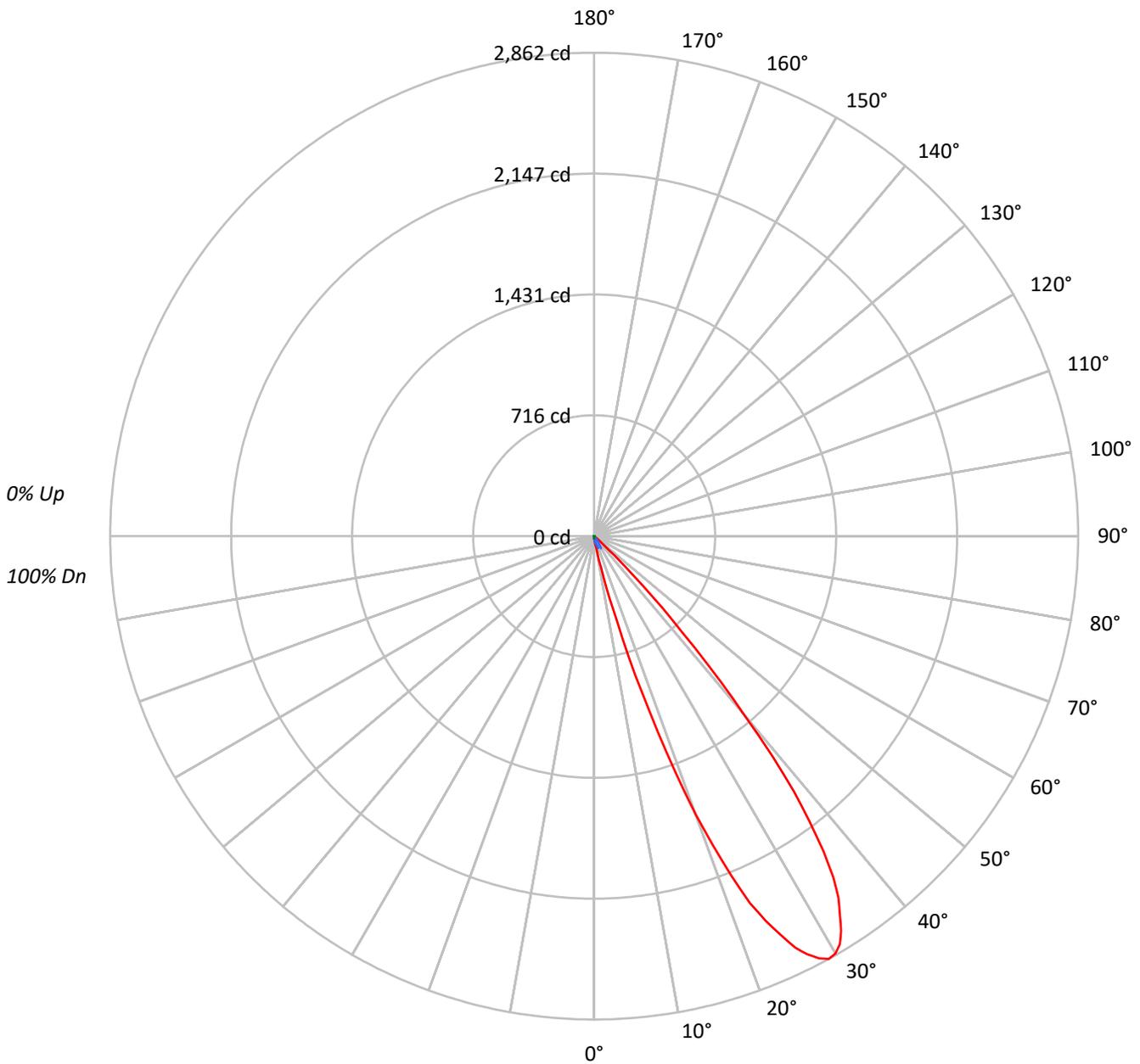
Test Method: LM-79-2019  
Report Number: P1319776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 395.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 2.29 / 0.42 / 1.12  
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 (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°-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	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	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	70	66	63	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	65	60	57	55
7	76	64	57	52	74	64	57	52	62	56	52	61	56	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	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	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°	2428	2428	2428	2428	2428
5°	5290	3734	2247	1020	743
10°	13186	6593	1574	210	0
15°	92804	9040	909	0	0
20°	320750	15194	367	0	0
25°	494411	19402	152	0	0
30°	567483	14994	0	0	0
35°	518275	5698	0	0	0
40°	310702	2653	0	0	0
45°	76356	1242	0	0	0
50°	8413	322	0	0	0
55°	1171	0	120	0	0
60°	0	0	276	0	0
65°	0	0	326	0	0
70°	0	201	604	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 1°  
 Vertical Angle: 45°  
 Luminance: 81422 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.6	0.4
10°-20°	30.9	7.8
20°-30°	156.0	39.5
30°-40°	168.8	42.7
40°-50°	35.7	9.0
50°-60°	1.1	0.3
60°-70°	0.3	0.1
70°-80°	0.4	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°	188.5	47.7
0°-40°	357.3	90.5
0°-60°	394.1	99.8
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	31	22	13	6	4	4
15°	520	51	5	0	0	217
25°	2602	102	1	0	0	1176
35°	2465	27	0	0	0	1454
45°	314	5	0	0	0	345
55°	4	0	0	0	0	7
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°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
2.5°	19.2	18.9	19.2	18.9	19.2	19.2	19.2	18.9	18.9	18.9	18.9
5°	30.6	30.6	30.2	30.6	30.6	30.6	30.6	30.2	30.2	29.9	29.9
7.5°	48.3	48.3	47.9	47.9	48.3	48.7	47.1	47.9	47.9	47.9	47.5
10°	75.4	77.0	75.4	77.4	75.8	74.6	76.6	74.6	74.6	74.2	73.1
12.5°	190.1	185.8	183.1	176.4	183.1	178.0	179.1	178.0	174.0	168.9	165.8
15°	520.5	520.5	505.2	525.6	510.7	516.2	487.9	488.3	473.8	458.1	449.4
17.5°	1088.2	1098.0	1087.8	1081.5	1068.1	1048.9	1041.0	1021.0	994.7	964.0	960.5
20°	1750.1	1708.9	1728.1	1710.4	1699.4	1675.9	1649.5	1633.0	1609.9	1571.0	1513.6
21°	1958.3	1956.7	1956.4	1956.0	1939.9	1901.4	1877.4	1844.4	1811.8	1771.7	1723.8
22°	2168.1	2175.6	2178.7	2155.9	2122.9	2105.6	2089.1	2044.0	1992.5	1971.7	1914.7
23°	2360.6	2353.5	2333.1	2322.5	2296.9	2291.8	2242.7	2214.1	2163.8	2141.0	2073.4
24°	2491.8	2488.3	2478.8	2463.1	2442.7	2411.3	2381.8	2336.6	2295.4	2258.1	2195.2
25°	2601.8	2604.9	2587.6	2577.0	2555.0	2519.7	2483.5	2434.0	2395.5	2351.9	2279.3
26°	2710.6	2688.6	2674.9	2659.1	2635.2	2594.7	2559.8	2515.4	2468.6	2419.9	2348.8
27°	2777.8	2758.1	2737.3	2722.0	2694.5	2656.0	2618.7	2569.6	2517.3	2468.2	2395.2
28°	2830.8	2809.2	2788.8	2770.3	2738.9	2697.6	2652.9	2603.0	2548.8	2498.1	2423.4
29°	2862.2	2836.7	2814.7	2793.9	2765.2	2720.4	2675.2	2621.8	2569.6	2516.5	2440.3
30°	2853.6	2831.6	2810.4	2789.2	2760.1	2718.1	2673.3	2622.2	2569.6	2517.3	2439.9
31°	2819.8	2792.7	2777.4	2756.2	2731.0	2688.2	2649.7	2593.9	2546.4	2489.8	2412.4
32°	2755.0	2737.7	2717.3	2700.8	2676.4	2630.9	2593.1	2547.6	2491.4	2445.0	2363.7
33°	2667.0	2650.9	2640.7	2621.4	2597.9	2566.4	2521.3	2479.6	2416.4	2368.8	2287.5
34°	2582.9	2562.5	2537.0	2531.5	2511.0	2470.6	2429.7	2387.3	2330.7	2270.2	2188.1
35°	2465.1	2443.9	2420.3	2422.3	2397.9	2350.8	2309.1	2261.6	2207.8	2136.7	2058.9
36°	2307.6	2293.4	2289.9	2280.4	2252.6	2196.4	2156.7	2097.0	2051.8	1965.0	1898.2
37°	2115.5	2120.6	2095.0	2082.8	2050.2	2011.0	1988.6	1912.0	1859.3	1794.1	1703.8
38°	1921.4	1913.9	1883.7	1891.1	1846.4	1805.5	1742.3	1696.7	1637.8	1577.3	1505.0
39°	1679.0	1660.5	1624.4	1626.0	1592.2	1546.2	1484.9	1431.1	1395.8	1337.6	1268.5
40°	1382.0	1374.2	1361.6	1340.8	1296.4	1276.3	1221.7	1163.6	1133.7	1053.2	1019.4
42.5°	766.8	756.2	735.0	727.5	704.0	680.4	648.6	609.7	590.8	566.9	513.4
45°	313.5	334.3	329.2	323.3	305.2	306.4	283.6	286.4	265.6	251.4	241.6
47.5°	69.1	75.0	75.4	72.7	75.4	73.1	71.9	69.9	70.3	71.5	68.7
50°	31.4	31.0	31.8	31.4	31.0	30.6	30.2	29.1	29.9	29.1	28.3
52.5°	12.2	12.6	12.6	11.8	12.2	12.2	12.2	11.8	11.8	11.8	11.8
55°	3.9	3.9	3.9	3.5	3.5	3.9	3.9	3.9	3.9	3.9	3.5
57.5°	0.4	0.8	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.8	0.8
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°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
2.5°	18.1	16.5	15.3	14.1	11.8	9.8	9.0	9.0
5°	27.9	21.6	16.1	13.0	9.0	5.9	4.7	4.3
7.5°	42.0	29.1	16.9	11.0	5.9	3.1	2.0	1.6
10°	60.9	37.7	17.7	9.0	3.5	1.2	0.0	0.0
12.5°	106.5	45.2	17.7	7.1	1.6	0.0	0.0	0.0
15°	244.0	50.7	16.9	5.1	0.4	0.0	0.0	0.0
17.5°	506.8	63.6	14.9	3.5	0.0	0.0	0.0	0.0
20°	809.3	82.9	11.8	2.0	0.0	0.0	0.0	0.0
21°	933.8	89.6	10.6	1.6	0.0	0.0	0.0	0.0
22°	1023.4	95.9	9.4	1.2	0.0	0.0	0.0	0.0
23°	1122.0	99.8	8.2	0.8	0.0	0.0	0.0	0.0
24°	1194.6	102.1	7.1	0.8	0.0	0.0	0.0	0.0
25°	1239.8	102.1	6.3	0.8	0.0	0.0	0.0	0.0
26°	1266.5	99.8	5.5	0.4	0.0	0.0	0.0	0.0
27°	1272.8	95.9	4.7	0.4	0.0	0.0	0.0	0.0
28°	1264.9	90.7	3.9	0.0	0.0	0.0	0.0	0.0
29°	1240.2	83.3	3.5	0.0	0.0	0.0	0.0	0.0
30°	1213.5	75.4	2.7	0.0	0.0	0.0	0.0	0.0
31°	1167.9	64.8	2.4	0.0	0.0	0.0	0.0	0.0
32°	1115.3	53.8	2.0	0.0	0.0	0.0	0.0	0.0
33°	1045.0	42.4	1.6	0.0	0.0	0.0	0.0	0.0
34°	941.2	33.4	1.6	0.0	0.0	0.0	0.0	0.0
35°	848.1	27.1	1.2	0.0	0.0	0.0	0.0	0.0
36°	726.4	21.6	1.2	0.0	0.0	0.0	0.0	0.0
37°	622.3	18.1	1.2	0.0	0.0	0.0	0.0	0.0
38°	520.9	15.3	0.8	0.0	0.0	0.0	0.0	0.0
39°	422.7	13.4	0.8	0.0	0.0	0.0	0.0	0.0
40°	337.1	11.8	0.8	0.0	0.0	0.0	0.0	0.0
42.5°	181.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	100.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	44.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	14.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.8	0.0	0.0	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.4	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	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	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	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)