

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: P1313972

Luminaire Tested: LDSQA3D20R309727D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313972  
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: LDSQA3D20R309727D010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

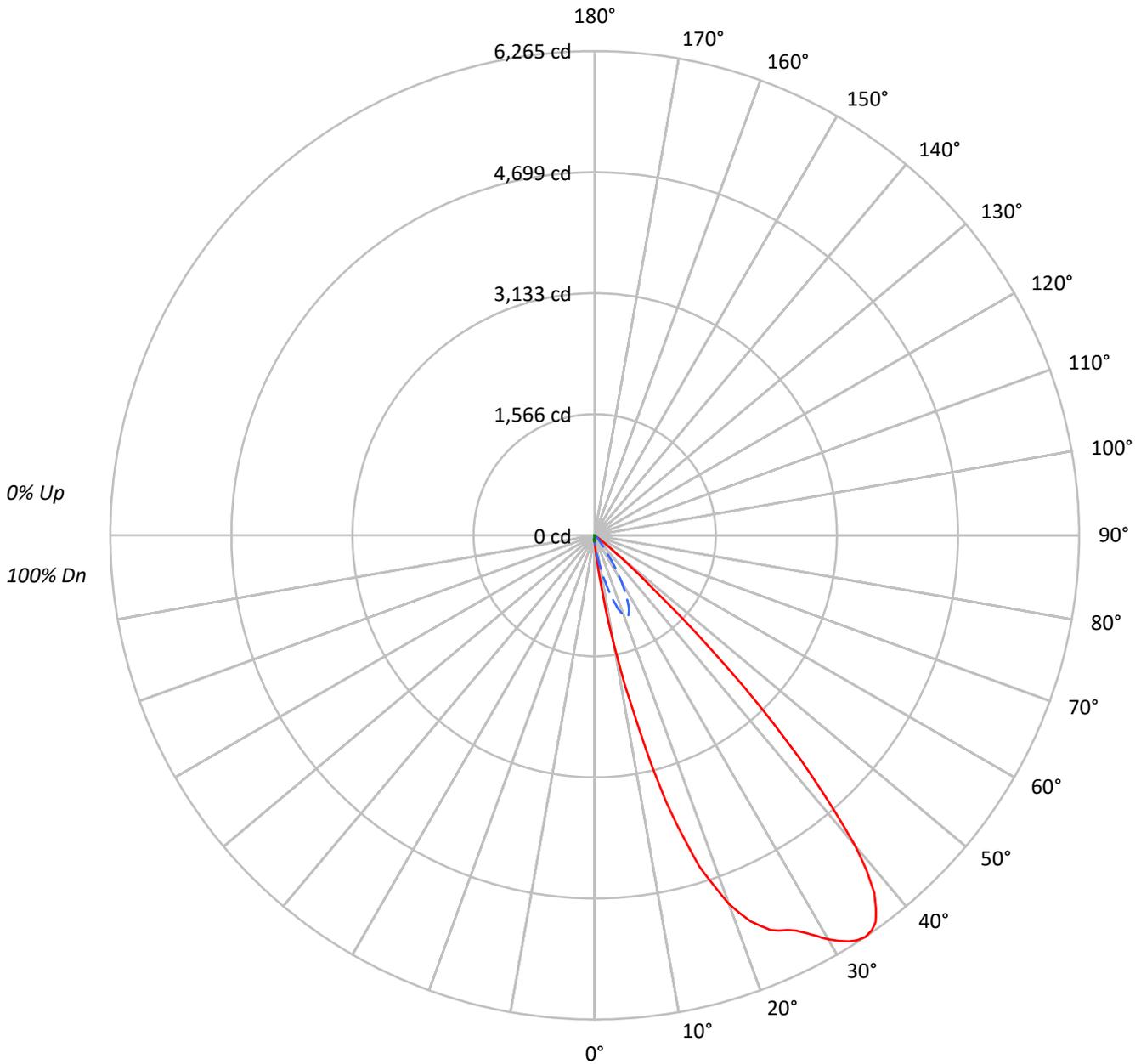
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1508.0 lumens  
Efficiency: N/A  
Efficacy: 52.4 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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				
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°	13898	13898	13898	13898	13898
5°	50395	31309	12724	5135	3665
10°	249466	74988	9898	997	0
15°	636363	142817	6312	0	0
20°	929830	203088	2603	0	0
25°	1072719	199262	532	0	0
30°	1200571	136780	0	0	0
35°	1313022	58911	0	0	0
40°	1178465	22909	0	0	0
45°	601811	9304	0	0	0
50°	92892	1125	0	0	0
55°	5525	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2795	0	0
80°	0	1389	4166	0	0
85°	0	2766	8299	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 601811 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.8	1.1
10°-20°	200.9	13.3
20°-30°	496.5	32.9
30°-40°	571.0	37.9
40°-50°	211.8	14.0
50°-60°	7.7	0.5
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	714.3	47.4
0°-40°	1285.3	85.2
0°-60°	1504.8	99.8
0°-90°	1508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1508.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	81	81	81	81	81	
5°	292	181	74	30	21	63
15°	3569	801	35	0	0	1026
25°	5645	1049	3	0	0	2608
35°	6245	280	0	0	0	3786
45°	2471	38	0	0	0	1924
55°	18	0	1	0	0	63
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	142.9	144.3	144.3	140.1	138.7	137.3	133.0	120.3	100.5	80.7	65.1
5°	291.5	292.9	292.9	284.5	267.5	250.5	236.3	181.1	116.0	73.6	48.1
7.5°	687.8	689.2	659.5	625.5	557.6	522.2	457.1	278.8	131.6	66.5	31.1
10°	1426.5	1395.4	1317.5	1218.5	1113.7	977.9	840.6	428.8	142.9	56.6	19.8
12.5°	2384.6	2354.9	2254.4	2112.9	1907.7	1641.6	1381.2	602.9	144.3	45.3	11.3
15°	3569.1	3485.6	3365.3	3130.4	2827.5	2415.7	1985.5	801.0	138.7	35.4	2.8
17.5°	4487.5	4411.1	4258.3	3983.7	3607.3	3150.2	2622.3	989.2	123.1	22.6	0.0
20°	5073.4	4992.7	4849.8	4607.8	4207.3	3671.0	3066.7	1108.1	101.9	14.2	0.0
21°	5240.4	5162.6	5022.5	4781.9	4382.8	3847.9	3175.7	1133.6	92.0	11.3	0.0
22°	5387.6	5326.7	5196.5	4934.7	4528.6	3978.1	3286.0	1136.4	84.9	8.5	0.0
23°	5490.9	5447.0	5316.8	5076.2	4671.5	4084.2	3345.5	1119.4	76.4	5.7	0.0
24°	5589.9	5536.2	5424.4	5200.8	4784.7	4173.4	3399.3	1088.3	67.9	4.2	0.0
25°	5645.1	5582.9	5496.5	5287.1	4878.1	4230.0	3431.8	1048.6	59.4	2.8	0.0
26°	5683.3	5635.2	5540.4	5338.0	4917.7	4266.8	3436.0	990.6	53.8	1.4	0.0
27°	5741.4	5693.3	5601.3	5383.3	4934.7	4261.1	3410.6	924.1	46.7	0.0	0.0
28°	5829.1	5765.4	5673.4	5431.4	4941.8	4237.0	3354.0	851.9	39.6	0.0	0.0
29°	5929.6	5864.5	5764.0	5495.1	4943.2	4188.9	3264.8	772.7	35.4	0.0	0.0
30°	6037.1	5980.5	5878.6	5557.4	4958.8	4126.7	3161.5	687.8	28.3	0.0	0.0
31°	6122.1	6071.1	5962.1	5614.0	4971.5	4072.9	3034.1	602.9	24.1	0.0	0.0
32°	6195.6	6150.4	6015.9	5626.7	4946.0	3996.5	2898.3	520.8	19.8	0.0	0.0
33°	6246.6	6190.0	6032.9	5594.2	4872.5	3870.5	2746.9	443.0	15.6	0.0	0.0
34°	6265.0	6197.1	6007.4	5509.3	4723.9	3679.5	2550.1	362.3	12.7	0.0	0.0
35°	6245.2	6161.7	5915.4	5363.5	4522.9	3451.6	2313.8	280.2	9.9	0.0	0.0
36°	6181.5	6075.3	5783.8	5155.5	4235.6	3182.7	2077.5	217.9	7.1	0.0	0.0
37°	6044.2	5926.8	5558.8	4880.9	3951.2	2874.2	1808.6	169.8	4.2	0.0	0.0
38°	5875.8	5706.0	5258.8	4534.2	3583.2	2527.5	1542.5	140.1	2.8	0.0	0.0
39°	5588.5	5401.7	4902.2	4135.1	3222.4	2197.8	1283.6	121.7	1.4	0.0	0.0
40°	5241.8	5019.6	4494.6	3707.8	2796.4	1852.5	1071.3	101.9	1.4	0.0	0.0
42.5°	3954.0	3765.8	3201.1	2521.8	1709.5	1092.5	594.4	66.5	0.0	0.0	0.0
45°	2470.9	2274.2	1892.1	1382.6	925.5	566.1	285.9	38.2	0.0	0.0	0.0
47.5°	1009.0	925.5	761.4	585.9	418.9	266.1	118.9	17.0	0.0	0.0	0.0
50°	346.7	308.5	259.0	189.6	134.4	92.0	62.3	4.2	0.0	0.0	0.0
52.5°	100.5	101.9	89.2	76.4	59.4	42.5	31.1	0.0	0.0	0.0	0.0
55°	18.4	15.6	18.4	17.0	18.4	15.6	11.3	0.0	0.0	1.4	0.0
57.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4



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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	1.4	2.8	4.2	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
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°	80.7	80.7	80.7
2.5°	52.4	46.7	43.9
5°	29.7	22.6	21.2
7.5°	15.6	9.9	8.5
10°	5.7	1.4	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)