

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: P1314944

Luminaire Tested: LDSQA3D20R309730D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314944  
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: LDSQA3D20R309730D010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

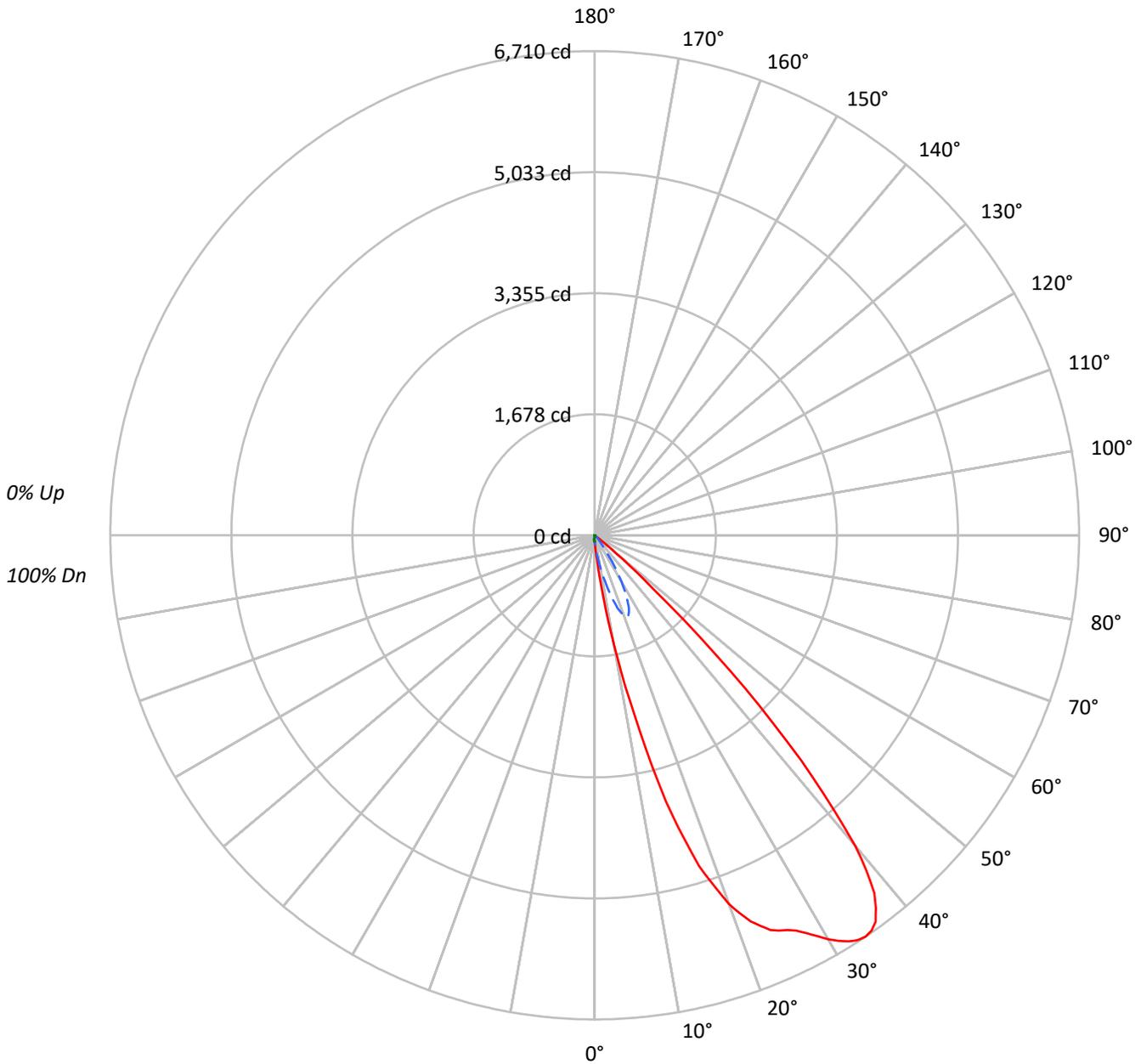
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1615.0 lumens  
Efficiency: N/A  
Efficacy: 56.1 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 (A<sub>in</sub>): 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	100	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	75	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68	68	68	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	14880	14880	14880	14880	14880
5°	53973	33539	13623	5498	3924
10°	267163	80305	10598	1067	0
15°	681508	152944	6757	0	0
20°	995809	217493	2786	0	0
25°	1148844	213419	570	0	0
30°	1285765	146484	0	0	0
35°	1406182	63095	0	0	0
40°	1262076	24528	0	0	0
45°	644507	9962	0	0	0
50°	99483	1206	0	0	0
55°	5915	0	450	0	0
60°	0	0	517	0	0
65°	0	0	1223	0	0
70°	0	755	1511	0	0
75°	0	998	2994	0	0
80°	0	1488	4463	0	0
85°	0	2964	8892	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 644507 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.0	1.1
10°-20°	215.2	13.3
20°-30°	531.8	32.9
30°-40°	611.5	37.9
40°-50°	226.8	14.0
50°-60°	8.3	0.5
60°-70°	0.8	0.0
70°-80°	1.3	0.1
80°-90°	1.2	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°	765.0	47.4
0°-40°	1376.5	85.2
0°-60°	1611.6	99.8
0°-90°	1615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	86	86	86	86	86	
5°	312	194	79	32	23	68
15°	3822	858	38	0	0	1099
25°	6046	1123	3	0	0	2793
35°	6688	300	0	0	0	4055
45°	2646	41	0	0	0	2061
55°	20	0	2	0	0	68
65°	0	0	3	0	0	0
75°	0	2	4	0	0	0
85°	0	2	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°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	153.1	154.6	154.6	150.0	148.5	147.0	142.5	128.8	107.6	86.4	69.7
5°	312.2	313.7	313.7	304.6	286.4	268.3	253.1	194.0	124.3	78.8	51.5
7.5°	736.6	738.1	706.3	669.9	597.1	559.3	489.5	298.6	140.9	71.2	33.3
10°	1527.7	1494.4	1411.0	1304.9	1192.8	1047.3	900.3	459.2	153.1	60.6	21.2
12.5°	2553.8	2521.9	2414.3	2262.8	2043.0	1758.1	1479.2	645.6	154.6	48.5	12.1
15°	3822.3	3732.9	3604.1	3352.5	3028.1	2587.1	2126.4	857.8	148.5	37.9	3.0
17.5°	4805.9	4724.1	4560.4	4266.4	3863.2	3373.7	2808.4	1059.4	131.9	24.2	0.0
20°	5433.4	5347.0	5193.9	4934.8	4505.8	3931.4	3284.3	1186.7	109.1	15.2	0.0
21°	5612.2	5528.9	5378.8	5121.2	4693.8	4120.9	3401.0	1214.0	98.5	12.1	0.0
22°	5769.8	5704.7	5565.2	5284.9	4849.9	4260.3	3519.2	1217.0	90.9	9.1	0.0
23°	5880.5	5833.5	5694.1	5436.4	5003.0	4374.0	3582.9	1198.8	81.8	6.1	0.0
24°	5986.6	5929.0	5809.3	5569.8	5124.2	4469.5	3640.4	1165.5	72.7	4.5	0.0
25°	6045.7	5979.0	5886.5	5662.2	5224.2	4530.1	3675.3	1123.1	63.7	3.0	0.0
26°	6086.6	6035.1	5933.5	5716.8	5266.7	4569.5	3679.9	1060.9	57.6	1.5	0.0
27°	6148.7	6097.2	5998.7	5765.3	5284.9	4563.4	3652.6	989.7	50.0	0.0	0.0
28°	6242.7	6174.5	6076.0	5816.8	5292.4	4537.7	3591.9	912.4	42.4	0.0	0.0
29°	6350.3	6280.6	6173.0	5885.0	5294.0	4486.1	3496.5	827.5	37.9	0.0	0.0
30°	6465.5	6404.9	6295.8	5951.7	5310.6	4419.5	3385.8	736.6	30.3	0.0	0.0
31°	6556.4	6501.9	6385.2	6012.3	5324.3	4361.9	3249.4	645.6	25.8	0.0	0.0
32°	6635.3	6586.8	6442.8	6026.0	5297.0	4280.0	3103.9	557.7	21.2	0.0	0.0
33°	6689.8	6629.2	6461.0	5991.1	5218.2	4145.1	2941.8	474.4	16.7	0.0	0.0
34°	6709.5	6636.8	6433.7	5900.2	5059.0	3940.5	2731.1	388.0	13.6	0.0	0.0
35°	6688.3	6598.9	6335.2	5744.1	4843.8	3696.5	2478.0	300.1	10.6	0.0	0.0
36°	6620.1	6506.4	6194.2	5521.3	4536.2	3408.6	2224.9	233.4	7.6	0.0	0.0
37°	6473.1	6347.3	5953.2	5227.3	4231.5	3078.2	1936.9	181.9	4.5	0.0	0.0
38°	6292.7	6110.9	5631.9	4855.9	3837.5	2706.8	1652.0	150.0	3.0	0.0	0.0
39°	5985.1	5785.0	5250.0	4428.6	3451.0	2353.7	1374.6	130.3	1.5	0.0	0.0
40°	5613.7	5375.8	4813.5	3970.8	2994.8	1983.9	1147.3	109.1	1.5	0.0	0.0
42.5°	4234.6	4033.0	3428.3	2700.8	1830.8	1170.0	636.5	71.2	0.0	0.0	0.0
45°	2646.2	2435.6	2026.3	1480.7	991.2	606.2	306.1	40.9	0.0	0.0	0.0
47.5°	1080.6	991.2	815.4	627.5	448.6	284.9	127.3	18.2	0.0	0.0	0.0
50°	371.3	330.4	277.4	203.1	144.0	98.5	66.7	4.5	0.0	0.0	0.0
52.5°	107.6	109.1	95.5	81.8	63.7	45.5	33.3	0.0	0.0	0.0	0.0
55°	19.7	16.7	19.7	18.2	19.7	16.7	12.1	0.0	0.0	1.5	0.0
57.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5



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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	1.5	3.0	4.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	1.5
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°	86.4	86.4	86.4
2.5°	56.1	50.0	47.0
5°	31.8	24.2	22.7
7.5°	16.7	10.6	9.1
10°	6.1	1.5	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)