

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: P1320101

Luminaire Tested: LDSQA3D13R309840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

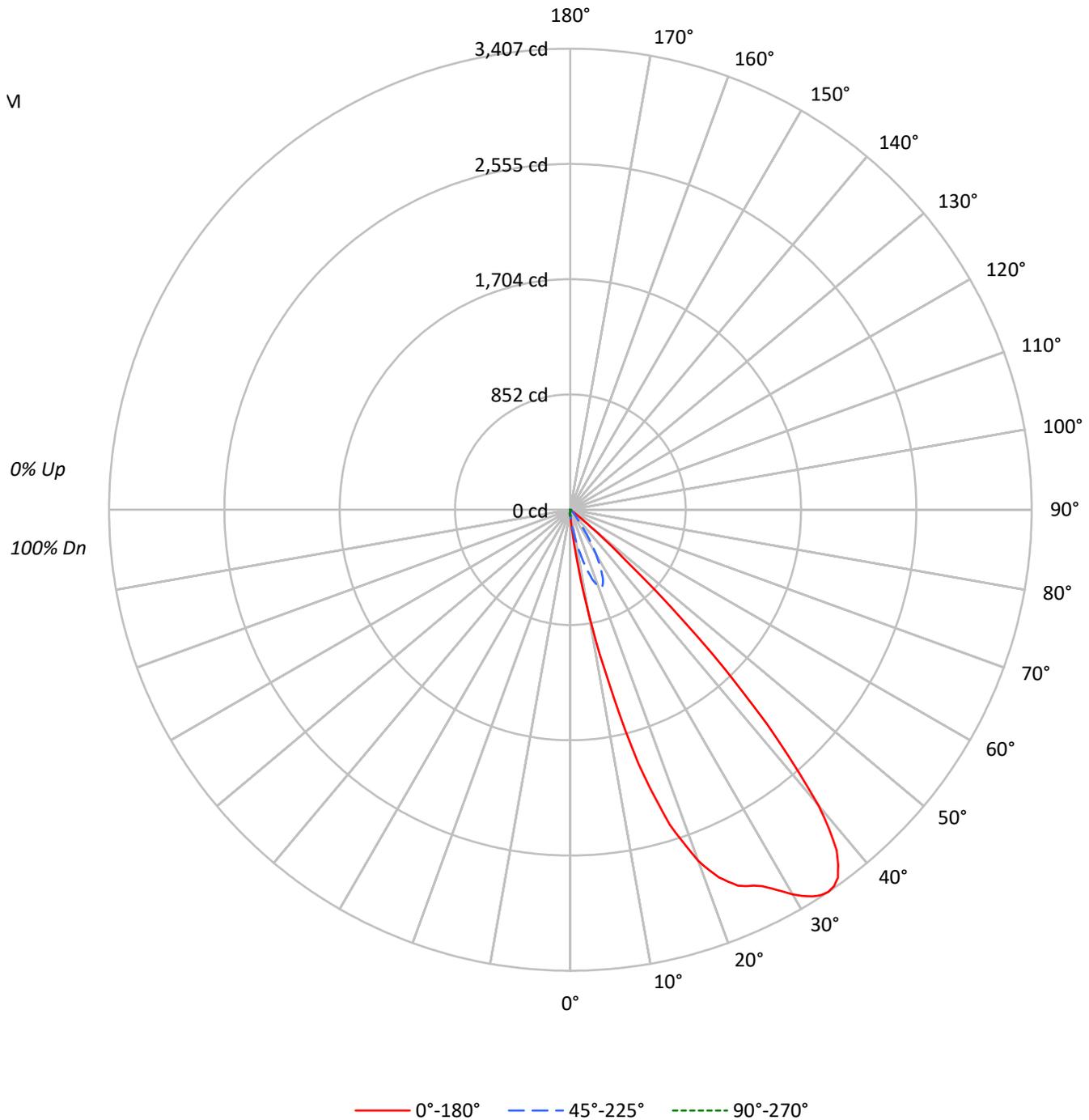
Test Method: LM-79-2019  
Report Number: P1320101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309840DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 820.0 lumens  
Efficiency: N/A  
Efficacy: 56.6 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): 14.5  
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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	7561	7561	7561	7561	7561
5°	27402	17029	6915	2801	1988
10°	135654	40782	5386	542	0
15°	346023	77667	3423	0	0
20°	505602	110423	1411	0	0
25°	583306	108353	285	0	0
30°	652836	74376	0	0	0
35°	713971	32041	0	0	0
40°	640806	12455	0	0	0
45°	327247	5066	0	0	0
50°	50505	616	0	0	0
55°	3003	0	240	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	1530	0	0
80°	0	793	2281	0	0
85°	0	1581	4545	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 327247 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.2	1.1
10°-20°	109.3	13.3
20°-30°	270.0	32.9
30°-40°	310.5	37.9
40°-50°	115.2	14.0
50°-60°	4.2	0.5
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°	388.4	47.4
0°-40°	698.9	85.2
0°-60°	818.3	99.8
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	158	98	40	16	12	34
15°	1941	436	19	0	0	558
25°	3070	570	2	0	0	1418
35°	3396	152	0	0	0	2059
45°	1344	21	0	0	0	1046
55°	10	0	1	0	0	34
65°	0	0	2	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°	45°	67.5°	90°	112.5°
0°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
2.5°	77.7	78.5	78.5	76.2	75.4	74.6	72.3	65.4	54.6	43.9	35.4
5°	158.5	159.3	159.3	154.7	145.4	136.2	128.5	98.5	63.1	40.0	26.2
7.5°	374.0	374.8	358.6	340.1	303.2	284.0	248.6	151.6	71.6	36.2	16.9
10°	775.7	758.8	716.4	662.6	605.6	531.7	457.1	233.2	77.7	30.8	10.8
12.5°	1296.7	1280.5	1225.9	1148.9	1037.3	892.6	751.1	327.8	78.5	24.6	6.2
15°	1940.7	1895.3	1829.9	1702.2	1537.5	1313.6	1079.6	435.6	75.4	19.2	1.5
17.5°	2440.2	2398.6	2315.5	2166.2	1961.5	1713.0	1425.9	537.9	66.9	12.3	0.0
20°	2758.7	2714.9	2637.2	2505.6	2287.8	1996.1	1667.6	602.5	55.4	7.7	0.0
21°	2849.6	2807.2	2731.0	2600.2	2383.2	2092.3	1726.8	616.4	50.0	6.2	0.0
22°	2929.6	2896.5	2825.7	2683.3	2462.5	2163.1	1786.8	617.9	46.2	4.6	0.0
23°	2985.8	2961.9	2891.1	2760.3	2540.2	2220.8	1819.2	608.7	41.6	3.1	0.0
24°	3039.6	3010.4	2949.6	2828.0	2601.8	2269.3	1848.4	591.8	36.9	2.3	0.0
25°	3069.6	3035.8	2988.8	2874.9	2652.6	2300.1	1866.1	570.2	32.3	1.5	0.0
26°	3090.4	3064.2	3012.7	2902.6	2674.1	2320.1	1868.4	538.7	29.2	0.8	0.0
27°	3122.0	3095.8	3045.8	2927.3	2683.3	2317.0	1854.6	502.5	25.4	0.0	0.0
28°	3169.7	3135.0	3085.0	2953.4	2687.2	2304.0	1823.8	463.3	21.5	0.0	0.0
29°	3224.3	3188.9	3134.3	2988.1	2688.0	2277.8	1775.3	420.2	19.2	0.0	0.0
30°	3282.8	3252.0	3196.6	3021.9	2696.4	2243.9	1719.1	374.0	15.4	0.0	0.0
31°	3329.0	3301.3	3242.0	3052.7	2703.3	2214.7	1649.9	327.8	13.1	0.0	0.0
32°	3369.0	3344.4	3271.3	3059.6	2689.5	2173.1	1576.0	283.2	10.8	0.0	0.0
33°	3396.7	3365.9	3280.5	3041.9	2649.5	2104.7	1493.6	240.9	8.5	0.0	0.0
34°	3406.7	3369.8	3266.6	2995.8	2568.7	2000.8	1386.7	197.0	6.9	0.0	0.0
35°	3395.9	3350.5	3216.6	2916.5	2459.4	1876.9	1258.2	152.4	5.4	0.0	0.0
36°	3361.3	3303.6	3145.0	2803.4	2303.2	1730.7	1129.7	118.5	3.8	0.0	0.0
37°	3286.6	3222.8	3022.7	2654.1	2148.5	1562.9	983.5	92.3	2.3	0.0	0.0
38°	3195.1	3102.7	2859.6	2465.6	1948.4	1374.4	838.8	76.2	1.5	0.0	0.0
39°	3038.9	2937.3	2665.6	2248.6	1752.2	1195.1	698.0	66.2	0.8	0.0	0.0
40°	2850.3	2729.5	2444.0	2016.2	1520.6	1007.3	582.5	55.4	0.8	0.0	0.0
42.5°	2150.1	2047.7	1740.7	1371.3	929.6	594.1	323.2	36.2	0.0	0.0	0.0
45°	1343.6	1236.6	1028.9	751.8	503.3	307.8	155.4	20.8	0.0	0.0	0.0
47.5°	548.7	503.3	414.0	318.6	227.8	144.7	64.6	9.2	0.0	0.0	0.0
50°	188.5	167.8	140.8	103.1	73.1	50.0	33.9	2.3	0.0	0.0	0.0
52.5°	54.6	55.4	48.5	41.6	32.3	23.1	16.9	0.0	0.0	0.0	0.0
55°	10.0	8.5	10.0	9.2	10.0	8.5	6.2	0.0	0.0	0.8	0.0
57.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8



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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	0.8	1.5	2.3	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
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):**

	135°	157.5°	180°
0°	43.9	43.9	43.9
2.5°	28.5	25.4	23.9
5°	16.2	12.3	11.5
7.5°	8.5	5.4	4.6
10°	3.1	0.8	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)