

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: P1319662

Luminaire Tested: LDSQA3D02R309840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319662  
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: LDSQA3D02R309840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

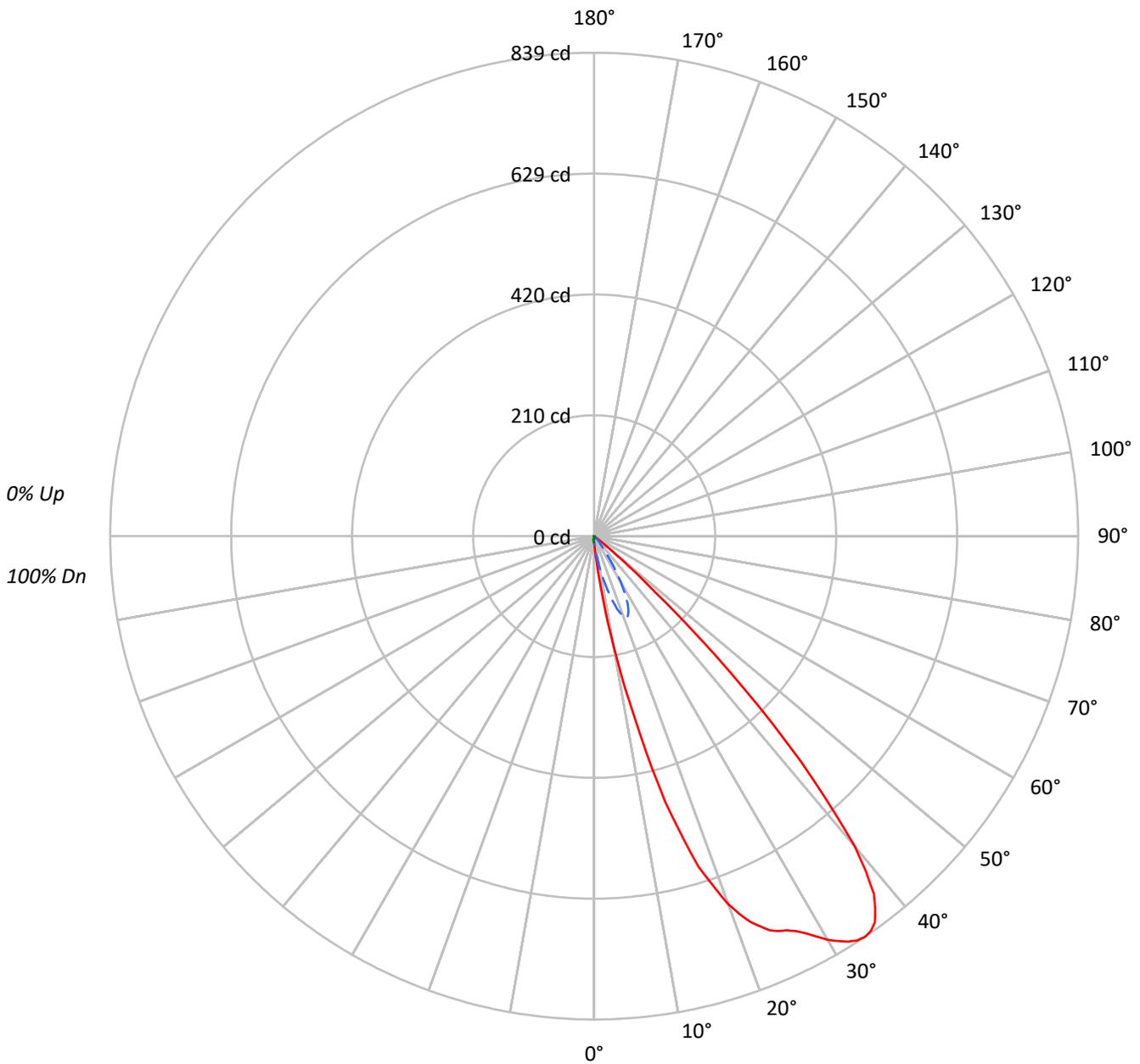
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 202.0 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): 3.6  
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	0
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	69	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°	1860	1860	1860	1860	1860
5°	6760	4201	1712	692	484
10°	33419	10038	1329	140	0
15°	85244	19131	838	0	0
20°	124554	27198	348	0	0
25°	143698	26699	76	0	0
30°	160823	18316	0	0	0
35°	175891	7884	0	0	0
40°	157869	3058	0	0	0
45°	80618	1242	0	0	0
50°	12432	161	0	0	0
55°	751	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 80618 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	1.1
10°-20°	26.9	13.3
20°-30°	66.5	32.9
30°-40°	76.5	37.9
40°-50°	28.4	14.0
50°-60°	1.0	0.5
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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
<b>0°-30°</b>	<b>95.7</b>	<b>47.4</b>
<b>0°-40°</b>	<b>172.2</b>	<b>85.2</b>
<b>0°-60°</b>	<b>201.6</b>	<b>99.8</b>
<b>0°-90°</b>	<b>202.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>202.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	39	24	10	4	3	8
15°	478	107	5	0	0	137
25°	756	140	0	0	0	349
35°	837	38	0	0	0	507
45°	331	5	0	0	0	258
55°	2	0	0	0	0	8
65°	0	0	0	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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
2.5°	19.1	19.3	19.3	18.8	18.6	18.4	17.8	16.1	13.5	10.8	8.7
5°	39.1	39.2	39.2	38.1	35.8	33.6	31.7	24.3	15.5	9.9	6.4
7.5°	92.1	92.3	88.3	83.8	74.7	69.9	61.2	37.3	17.6	8.9	4.2
10°	191.1	186.9	176.5	163.2	149.2	131.0	112.6	57.4	19.1	7.6	2.7
12.5°	319.4	315.4	302.0	283.0	255.5	219.9	185.0	80.8	19.3	6.1	1.5
15°	478.1	466.9	450.8	419.3	378.8	323.6	266.0	107.3	18.6	4.7	0.4
17.5°	601.1	590.9	570.4	533.6	483.2	422.0	351.3	132.5	16.5	3.0	0.0
20°	679.6	668.8	649.6	617.2	563.6	491.7	410.8	148.4	13.6	1.9	0.0
21°	702.0	691.5	672.8	640.5	587.1	515.4	425.4	151.8	12.3	1.5	0.0
22°	721.7	713.5	696.1	661.0	606.6	532.9	440.2	152.2	11.4	1.1	0.0
23°	735.5	729.6	712.2	680.0	625.8	547.1	448.1	149.9	10.2	0.8	0.0
24°	748.8	741.6	726.6	696.7	640.9	559.0	455.3	145.8	9.1	0.6	0.0
25°	756.2	747.8	736.3	708.2	653.4	566.6	459.7	140.5	8.0	0.4	0.0
26°	761.3	754.9	742.2	715.0	658.7	571.5	460.3	132.7	7.2	0.2	0.0
27°	769.1	762.6	750.3	721.1	661.0	570.8	456.9	123.8	6.3	0.0	0.0
28°	780.8	772.3	760.0	727.6	662.0	567.6	449.3	114.1	5.3	0.0	0.0
29°	794.3	785.6	772.1	736.1	662.2	561.1	437.3	103.5	4.7	0.0	0.0
30°	808.7	801.1	787.5	744.4	664.2	552.8	423.5	92.1	3.8	0.0	0.0
31°	820.1	813.2	798.6	752.0	665.9	545.6	406.4	80.8	3.2	0.0	0.0
32°	829.9	823.9	805.8	753.7	662.5	535.3	388.2	69.8	2.7	0.0	0.0
33°	836.7	829.2	808.1	749.4	652.7	518.5	367.9	59.3	2.1	0.0	0.0
34°	839.2	830.1	804.7	738.0	632.8	492.9	341.6	48.5	1.7	0.0	0.0
35°	836.6	825.4	792.4	718.5	605.9	462.4	309.9	37.5	1.3	0.0	0.0
36°	828.0	813.8	774.8	690.6	567.4	426.3	278.3	29.2	0.9	0.0	0.0
37°	809.6	793.9	744.6	653.8	529.3	385.0	242.3	22.7	0.6	0.0	0.0
38°	787.1	764.3	704.4	607.4	480.0	338.6	206.6	18.8	0.4	0.0	0.0
39°	748.6	723.6	656.7	553.9	431.6	294.4	171.9	16.3	0.2	0.0	0.0
40°	702.2	672.4	602.1	496.7	374.6	248.1	143.5	13.6	0.2	0.0	0.0
42.5°	529.6	504.4	428.8	337.8	229.0	146.3	79.6	8.9	0.0	0.0	0.0
45°	331.0	304.6	253.4	185.2	124.0	75.8	38.3	5.1	0.0	0.0	0.0
47.5°	135.2	124.0	102.0	78.5	56.1	35.6	15.9	2.3	0.0	0.0	0.0
50°	46.4	41.3	34.7	25.4	18.0	12.3	8.3	0.6	0.0	0.0	0.0
52.5°	13.5	13.6	11.9	10.2	8.0	5.7	4.2	0.0	0.0	0.0	0.0
55°	2.5	2.1	2.5	2.3	2.5	2.1	1.5	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2



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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	0.2	0.4	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
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°	10.8	10.8	10.8
2.5°	7.0	6.3	5.9
5°	4.0	3.0	2.8
7.5°	2.1	1.3	1.1
10°	0.8	0.2	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)