

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: P1317910

Luminaire Tested: LDSQA3D02R309830DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317910  
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: LDSQA3D02R309830DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

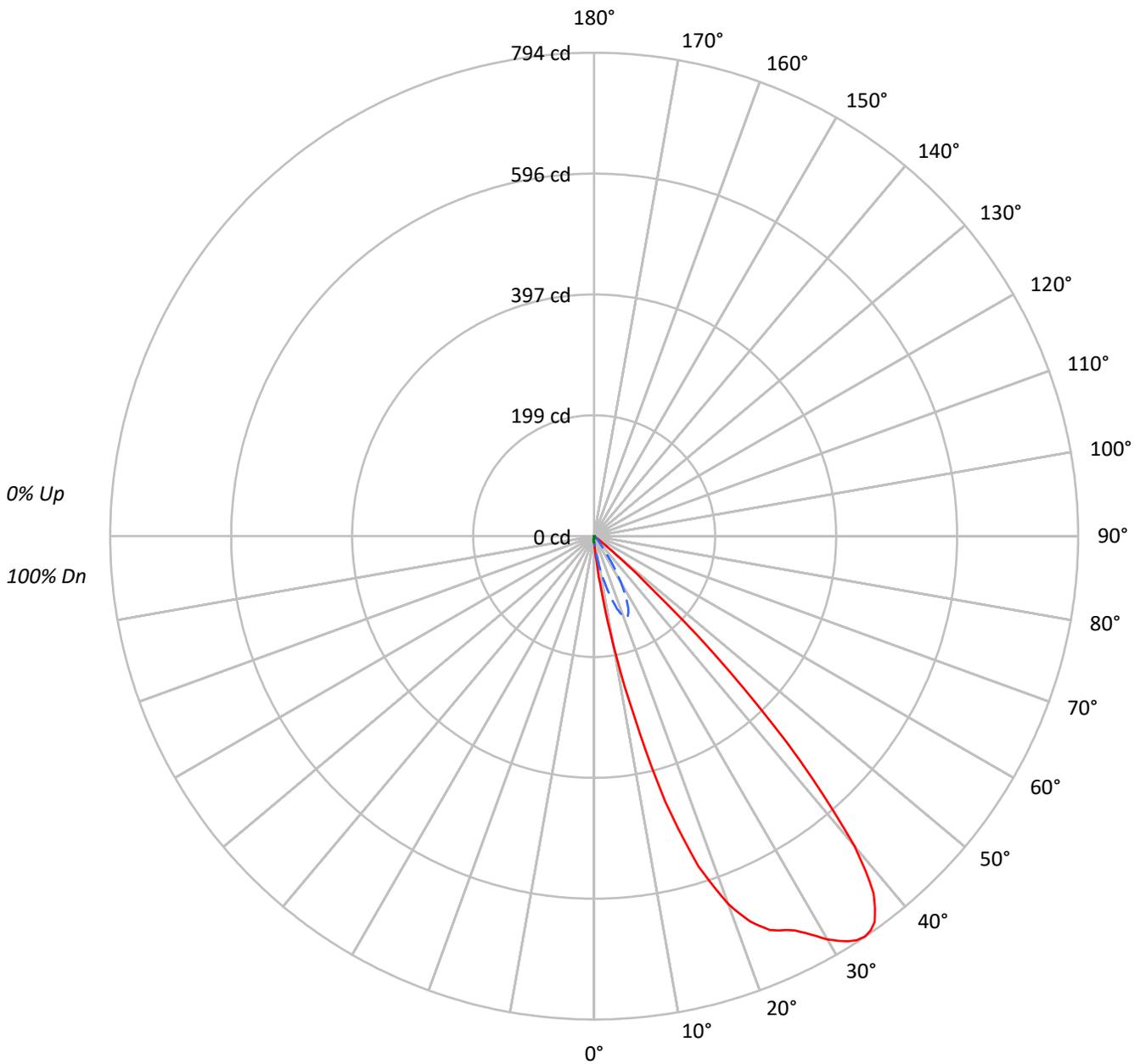
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 191.0 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
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 (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	
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	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°	1757	1757	1757	1757	1757
5°	6379	3959	1608	657	467
10°	31601	9496	1259	122	0
15°	80609	18097	802	0	0
20°	117773	25714	330	0	0
25°	135869	25236	76	0	0
30°	152073	17321	0	0	0
35°	166304	7464	0	0	0
40°	149258	2900	0	0	0
45°	76234	1169	0	0	0
50°	11762	134	0	0	0
55°	691	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	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 76234 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	1.1
10°-20°	25.4	13.3
20°-30°	62.9	32.9
30°-40°	72.3	37.9
40°-50°	26.8	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>90.5</b>	<b>47.4</b>
<b>0°-40°</b>	<b>162.8</b>	<b>85.2</b>
<b>0°-60°</b>	<b>190.6</b>	<b>99.8</b>
<b>0°-90°</b>	<b>191.0</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>191.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	37	23	9	4	3	8
15°	452	102	4	0	0	130
25°	715	133	0	0	0	330
35°	791	36	0	0	0	480
45°	313	5	0	0	0	244
55°	2	0	0	0	0	8
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	18.1	18.3	18.3	17.7	17.6	17.4	16.8	15.2	12.7	10.2	8.2
5°	36.9	37.1	37.1	36.0	33.9	31.7	29.9	22.9	14.7	9.3	6.1
7.5°	87.1	87.3	83.5	79.2	70.6	66.1	57.9	35.3	16.7	8.4	3.9
10°	180.7	176.7	166.9	154.3	141.1	123.9	106.5	54.3	18.1	7.2	2.5
12.5°	302.0	298.3	285.5	267.6	241.6	207.9	174.9	76.4	18.3	5.7	1.4
15°	452.1	441.5	426.2	396.5	358.1	306.0	251.5	101.5	17.6	4.5	0.4
17.5°	568.4	558.7	539.3	504.6	456.9	399.0	332.1	125.3	15.6	2.9	0.0
20°	642.6	632.4	614.3	583.6	532.9	465.0	388.4	140.3	12.9	1.8	0.0
21°	663.7	653.9	636.1	605.7	555.1	487.4	402.2	143.6	11.7	1.4	0.0
22°	682.4	674.7	658.2	625.0	573.6	503.9	416.2	143.9	10.8	1.1	0.0
23°	695.5	689.9	673.4	642.9	591.7	517.3	423.7	141.8	9.7	0.7	0.0
24°	708.0	701.2	687.0	658.7	606.0	528.6	430.5	137.8	8.6	0.5	0.0
25°	715.0	707.1	696.2	669.7	617.9	535.8	434.7	132.8	7.5	0.4	0.0
26°	719.8	713.7	701.7	676.1	622.9	540.4	435.2	125.5	6.8	0.2	0.0
27°	727.2	721.1	709.4	681.8	625.0	539.7	432.0	117.0	5.9	0.0	0.0
28°	738.3	730.2	718.6	687.9	625.9	536.7	424.8	107.9	5.0	0.0	0.0
29°	751.0	742.8	730.1	696.0	626.1	530.6	413.5	97.9	4.5	0.0	0.0
30°	764.7	757.5	744.6	703.9	628.1	522.7	400.4	87.1	3.6	0.0	0.0
31°	775.4	769.0	755.2	711.1	629.7	515.9	384.3	76.4	3.0	0.0	0.0
32°	784.7	779.0	762.0	712.7	626.5	506.2	367.1	66.0	2.5	0.0	0.0
33°	791.2	784.0	764.1	708.5	617.1	490.2	347.9	56.1	2.0	0.0	0.0
34°	793.5	784.9	760.9	697.8	598.3	466.0	323.0	45.9	1.6	0.0	0.0
35°	791.0	780.4	749.2	679.3	572.9	437.2	293.1	35.5	1.3	0.0	0.0
36°	782.9	769.5	732.6	653.0	536.5	403.1	263.1	27.6	0.9	0.0	0.0
37°	765.5	750.7	704.1	618.2	500.4	364.0	229.1	21.5	0.5	0.0	0.0
38°	744.2	722.7	666.1	574.3	453.8	320.1	195.4	17.7	0.4	0.0	0.0
39°	707.8	684.2	620.9	523.7	408.1	278.4	162.6	15.4	0.2	0.0	0.0
40°	663.9	635.8	569.3	469.6	354.2	234.6	135.7	12.9	0.2	0.0	0.0
42.5°	500.8	477.0	405.4	319.4	216.5	138.4	75.3	8.4	0.0	0.0	0.0
45°	313.0	288.0	239.6	175.1	117.2	71.7	36.2	4.8	0.0	0.0	0.0
47.5°	127.8	117.2	96.4	74.2	53.1	33.7	15.1	2.2	0.0	0.0	0.0
50°	43.9	39.1	32.8	24.0	17.0	11.7	7.9	0.5	0.0	0.0	0.0
52.5°	12.7	12.9	11.3	9.7	7.5	5.4	3.9	0.0	0.0	0.0	0.0
55°	2.3	2.0	2.3	2.2	2.3	2.0	1.4	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	0.5	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	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	0.5	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	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°	10.2	10.2	10.2
2.5°	6.6	5.9	5.6
5°	3.8	2.9	2.7
7.5°	2.0	1.3	1.1
10°	0.7	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)