

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: P1317180

Luminaire Tested: LDSQA3D05R309827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317180  
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: LDSQA3D05R309827DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

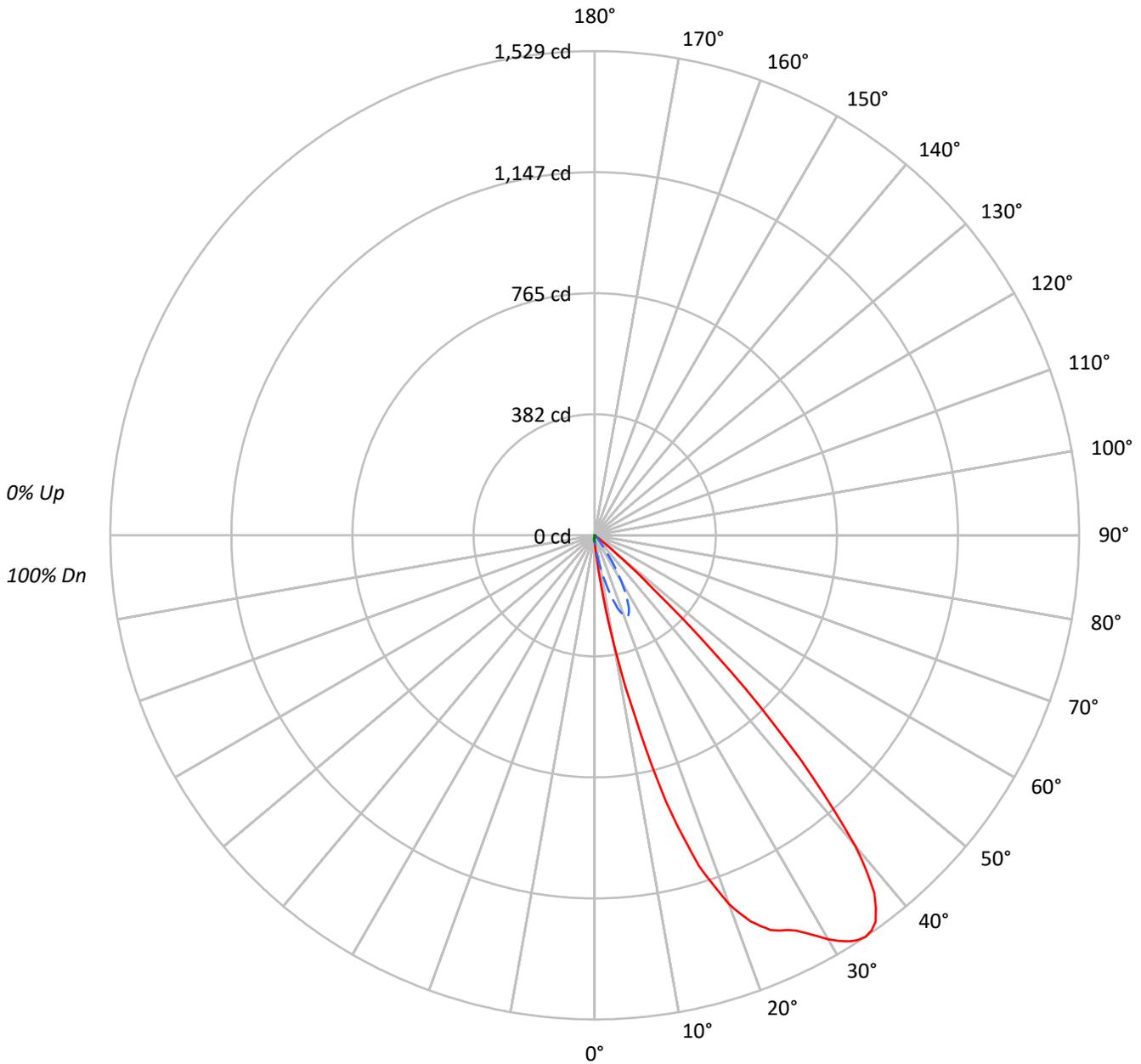
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 368.0 lumens  
Efficiency: N/A  
Efficacy: 51.1 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): 7.2  
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				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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37				37

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

	0°	45°	90°	135°	180°
0°	3393	3393	3393	3393	3393
5°	12292	7641	3112	1262	899
10°	60876	18292	2413	245	0
15°	155298	34857	1533	0	0
20°	226913	49558	641	0	0
25°	261781	48628	133	0	0
30°	292989	33370	0	0	0
35°	320413	14381	0	0	0
40°	287591	5598	0	0	0
45°	146866	2265	0	0	0
50°	22667	268	0	0	0
55°	1351	0	90	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 146866 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	1.1
10°-20°	49.0	13.3
20°-30°	121.2	32.9
30°-40°	139.3	37.9
40°-50°	51.7	14.0
50°-60°	1.9	0.5
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	174.3	47.4
0°-40°	313.7	85.2
0°-60°	367.2	99.8
0°-90°	368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	71	44	18	7	5	15
15°	871	196	9	0	0	250
25°	1378	256	1	0	0	636
35°	1524	68	0	0	0	924
45°	603	9	0	0	0	470
55°	4	0	0	0	0	15
65°	0	0	1	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°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	34.9	35.2	35.2	34.2	33.8	33.5	32.5	29.4	24.5	19.7	15.9
5°	71.1	71.5	71.5	69.4	65.3	61.1	57.7	44.2	28.3	18.0	11.7
7.5°	167.8	168.2	160.9	152.6	136.1	127.4	111.5	68.0	32.1	16.2	7.6
10°	348.1	340.5	321.5	297.3	271.8	238.6	205.1	104.6	34.9	13.8	4.8
12.5°	581.9	574.7	550.1	515.6	465.5	400.6	337.1	147.1	35.2	11.1	2.8
15°	871.0	850.6	821.2	763.9	690.0	589.5	484.5	195.5	33.8	8.6	0.7
17.5°	1095.1	1076.4	1039.2	972.2	880.3	768.7	639.9	241.4	30.0	5.5	0.0
20°	1238.1	1218.4	1183.5	1124.5	1026.7	895.8	748.4	270.4	24.9	3.5	0.0
21°	1278.8	1259.8	1225.6	1166.9	1069.5	939.0	775.0	276.6	22.4	2.8	0.0
22°	1314.7	1299.9	1268.1	1204.2	1105.1	970.8	801.9	277.3	20.7	2.1	0.0
23°	1339.9	1329.2	1297.5	1238.8	1140.0	996.7	816.4	273.2	18.6	1.4	0.0
24°	1364.1	1351.0	1323.7	1269.2	1167.6	1018.4	829.5	265.6	16.6	1.0	0.0
25°	1377.6	1362.4	1341.3	1290.2	1190.4	1032.2	837.5	255.9	14.5	0.7	0.0
26°	1386.9	1375.2	1352.0	1302.7	1200.1	1041.2	838.5	241.7	13.1	0.3	0.0
27°	1401.1	1389.3	1366.9	1313.7	1204.2	1039.8	832.3	225.5	11.4	0.0	0.0
28°	1422.5	1406.9	1384.5	1325.4	1206.0	1034.0	818.5	207.9	9.7	0.0	0.0
29°	1447.0	1431.1	1406.6	1341.0	1206.3	1022.2	796.7	188.6	8.6	0.0	0.0
30°	1473.3	1459.4	1434.6	1356.2	1210.1	1007.0	771.5	167.8	6.9	0.0	0.0
31°	1494.0	1481.5	1455.0	1370.0	1213.2	993.9	740.4	147.1	5.9	0.0	0.0
32°	1511.9	1500.9	1468.1	1373.1	1207.0	975.3	707.3	127.1	4.8	0.0	0.0
33°	1524.4	1510.6	1472.2	1365.2	1189.0	944.5	670.3	108.1	3.8	0.0	0.0
34°	1528.9	1512.3	1466.0	1344.4	1152.8	897.9	622.3	88.4	3.1	0.0	0.0
35°	1524.0	1503.6	1443.6	1308.9	1103.7	842.3	564.6	68.4	2.4	0.0	0.0
36°	1508.5	1482.6	1411.4	1258.1	1033.6	776.7	507.0	53.2	1.7	0.0	0.0
37°	1475.0	1446.3	1356.5	1191.1	964.2	701.4	441.4	41.4	1.0	0.0	0.0
38°	1433.9	1392.4	1283.3	1106.5	874.4	616.8	376.4	34.2	0.7	0.0	0.0
39°	1363.8	1318.2	1196.3	1009.1	786.4	536.3	313.2	29.7	0.3	0.0	0.0
40°	1279.2	1224.9	1096.8	904.8	682.4	452.1	261.4	24.9	0.3	0.0	0.0
42.5°	964.9	919.0	781.2	615.4	417.2	266.6	145.0	16.2	0.0	0.0	0.0
45°	603.0	555.0	461.7	337.4	225.9	138.1	69.8	9.3	0.0	0.0	0.0
47.5°	246.2	225.9	185.8	143.0	102.2	64.9	29.0	4.1	0.0	0.0	0.0
50°	84.6	75.3	63.2	46.3	32.8	22.4	15.2	1.0	0.0	0.0	0.0
52.5°	24.5	24.9	21.8	18.6	14.5	10.4	7.6	0.0	0.0	0.0	0.0
55°	4.5	3.8	4.5	4.1	4.5	3.8	2.8	0.0	0.0	0.3	0.0
57.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3



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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	0.3	0.7	1.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
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°	19.7	19.7	19.7
2.5°	12.8	11.4	10.7
5°	7.3	5.5	5.2
7.5°	3.8	2.4	2.1
10°	1.4	0.3	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)