

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: P1311378

Luminaire Tested: LDSQA3D09R609040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609040DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

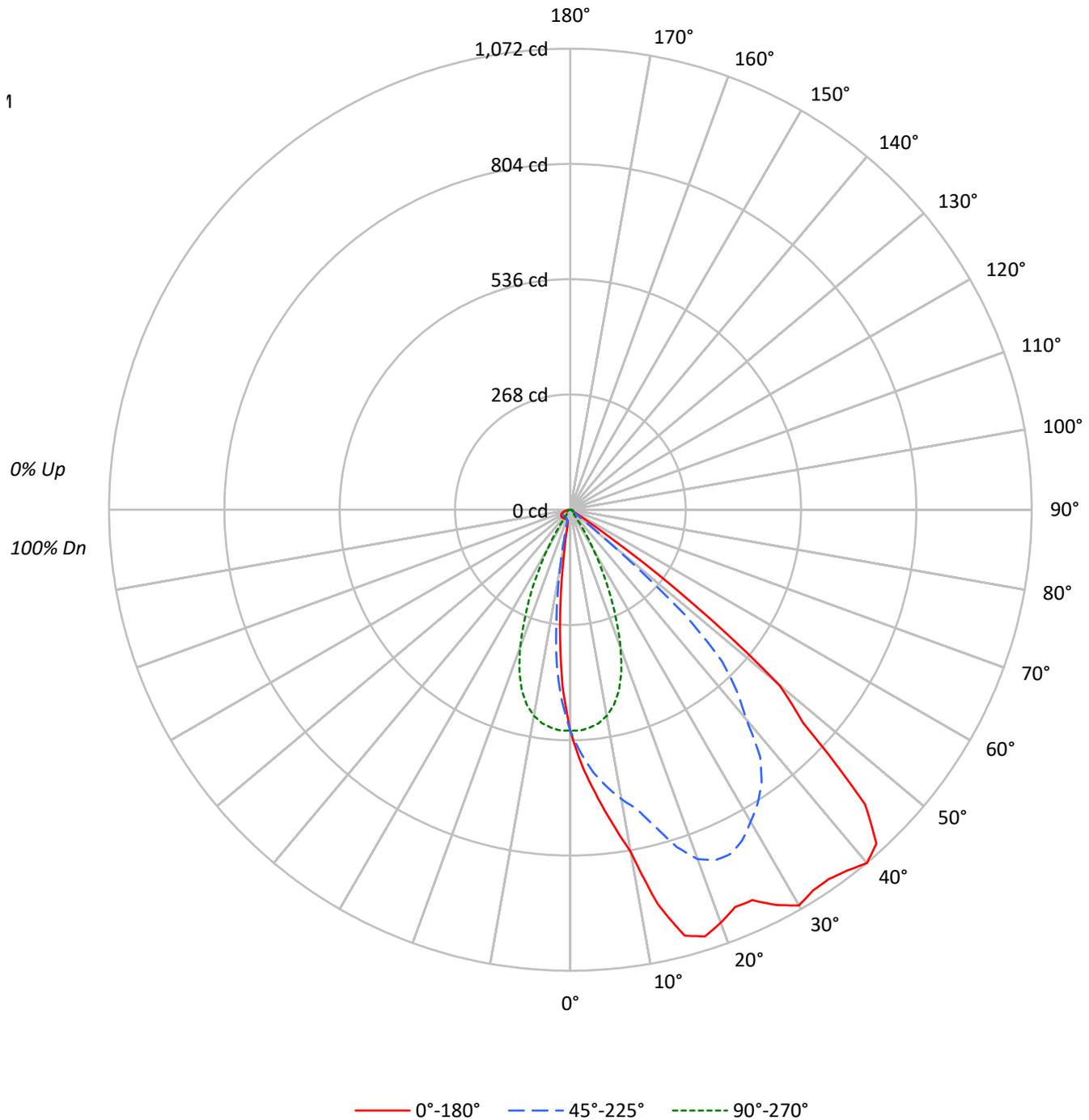
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 834.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	88419	88419	88419	88419	88419
5°	114205	106045	87944	62617	47784
10°	141145	119530	85096	23679	7030
15°	182791	136041	77631	5188	4636
20°	187308	158460	62479	4325	4472
25°	190331	167737	41901	4181	4485
30°	211235	166610	21617	4236	4693
35°	220337	162898	5950	4478	5130
40°	241098	142851	2833	4789	5665
45°	235887	121390	2874	5188	6333
50°	170029	29955	3162	5707	6966
55°	32638	1892	3303	6155	7807
60°	1619	1894	3238	6510	8404
65°	1589	1915	3219	6724	8965
70°	1561	1964	3172	6748	9114
75°	1597	2063	3127	6787	9449
80°	793	2380	3075	7042	9323
85°	1581	1581	3162	6126	9287

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 235887 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	5.4
10°-20°	123.3	14.8
20°-30°	189.7	22.7
30°-40°	222.6	26.7
40°-50°	178.5	21.4
50°-60°	55.4	6.6
60°-70°	10.5	1.3
70°-80°	7.0	0.8
80°-90°	2.4	0.3
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°	357.6	42.9
0°-40°	580.2	69.6
0°-60°	814.1	97.6
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	513	513	513	513	513	
5°	661	613	509	362	276	67
15°	1025	763	435	29	26	281
25°	1002	883	220	22	24	473
35°	1048	775	28	21	24	663
45°	968	498	12	21	26	693
55°	109	6	11	20	26	172
65°	4	5	8	16	22	4
75°	2	3	5	10	14	2
85°	1	1	2	3	5	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.4
2.5°	592.1	585.8	585.8	583.5	581.1	581.9	575.6	578.0	571.7	566.9	563.0
5°	660.6	652.8	652.0	648.0	644.1	640.9	633.1	628.3	618.9	613.4	601.6
7.5°	731.5	725.2	721.3	716.5	709.4	701.6	688.2	679.5	664.6	649.6	634.6
10°	807.1	801.6	792.9	787.4	767.7	755.1	737.0	725.2	703.1	683.5	660.6
12.5°	939.4	936.2	919.7	908.7	880.3	855.1	815.7	784.3	744.9	712.6	681.9
15°	1025.2	1021.3	1012.6	1002.4	984.2	955.9	920.5	876.4	821.3	763.0	711.0
17.5°	1040.2	1040.9	1035.4	1033.1	1021.3	1003.1	974.8	941.7	886.6	822.0	751.2
20°	1022.0	1028.3	1026.8	1031.5	1033.9	1026.8	1007.9	975.6	927.6	864.6	785.0
22.5°	1000.0	1005.5	1003.9	1012.6	1026.0	1033.1	1026.8	1000.8	952.0	881.9	803.9
25°	1001.6	1005.5	993.7	999.2	1016.5	1033.9	1034.6	1011.8	959.1	882.7	802.4
27.5°	1036.2	1024.4	997.6	995.3	1016.5	1038.6	1040.2	1011.8	948.8	866.1	786.6
30°	1062.2	1053.5	1023.6	1019.7	1040.2	1055.1	1047.2	1003.1	924.4	837.8	763.8
32.5°	1049.6	1051.2	1038.6	1051.2	1078.0	1084.2	1051.2	982.7	890.5	810.2	737.0
35°	1048.0	1054.3	1061.4	1081.1	1099.2	1084.2	1031.5	944.1	854.3	774.8	695.3
37.5°	1057.5	1067.7	1078.0	1095.3	1095.3	1056.7	979.5	895.3	811.0	724.4	608.7
40°	1072.4	1078.7	1081.9	1080.3	1059.1	1002.4	920.5	836.2	755.9	635.4	551.2
42.5°	1052.8	1052.0	1048.8	1035.4	996.1	922.0	845.7	777.2	650.4	573.2	477.2
45°	968.5	968.5	959.8	938.6	902.4	840.9	773.2	673.2	592.9	498.4	354.3
47.5°	733.1	727.6	737.0	749.6	749.6	744.1	682.7	596.1	514.2	359.8	113.4
50°	634.6	626.0	614.2	616.5	615.0	621.3	581.9	516.5	380.3	111.8	7.9
52.5°	359.1	374.8	413.4	467.7	492.1	500.8	476.4	392.9	128.3	7.1	6.3
55°	108.7	111.8	126.8	155.9	211.8	270.9	274.8	127.6	8.7	6.3	6.3
57.5°	4.7	4.7	6.3	9.4	22.0	33.1	35.4	7.9	5.5	6.3	6.3
60°	4.7	4.7	4.7	4.7	4.7	4.7	5.5	5.5	5.5	5.5	6.3
62.5°	3.9	3.9	4.7	4.7	4.7	4.7	4.7	4.7	5.5	5.5	5.5
65°	3.9	3.9	3.9	3.9	3.9	3.9	4.7	4.7	4.7	4.7	5.5
67.5°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	3.9	4.7	4.7	4.7
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9
72.5°	2.4	2.4	2.4	2.4	2.4	3.1	3.1	3.1	3.1	3.1	3.9
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1	3.1	3.1
77.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4
80°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	513.4	513.4	513.4	513.4	513.4	513.4	513.4	513.4
2.5°	557.5	551.2	544.1	514.2	485.0	445.7	418.9	411.0
5°	591.3	581.1	565.4	508.7	440.2	362.2	299.2	276.4
7.5°	619.7	603.9	581.9	500.8	386.6	245.7	158.3	133.9
10°	640.2	620.5	592.1	486.6	315.7	135.4	53.5	40.2
12.5°	657.5	631.5	597.6	465.4	229.9	55.1	27.6	27.6
15°	669.3	637.8	600.0	435.4	148.8	29.1	26.0	26.0
17.5°	685.8	644.9	600.0	393.7	81.1	25.2	25.2	25.2
20°	712.6	652.0	591.3	340.9	44.9	23.6	24.4	24.4
22.5°	726.8	662.2	580.3	279.5	28.3	22.8	23.6	23.6
25°	729.9	660.6	556.7	220.5	22.8	22.0	22.8	23.6
27.5°	718.9	649.6	525.2	160.6	20.5	21.3	22.8	23.6
30°	699.2	622.8	474.8	108.7	18.9	21.3	22.8	23.6
32.5°	662.2	558.3	415.7	65.4	18.1	21.3	22.8	24.4
35°	579.5	490.6	348.0	28.3	17.3	21.3	23.6	24.4
37.5°	519.7	422.8	269.3	14.2	17.3	21.3	23.6	25.2
40°	453.5	340.2	124.4	12.6	17.3	21.3	23.6	25.2
42.5°	345.7	157.5	15.0	12.6	16.5	21.3	24.4	25.2
45°	126.0	16.5	7.9	11.8	16.5	21.3	24.4	26.0
47.5°	9.4	6.3	7.1	11.8	16.5	21.3	24.4	26.0
50°	6.3	6.3	7.1	11.8	16.5	21.3	24.4	26.0
52.5°	6.3	7.1	7.1	11.0	15.7	21.3	24.4	26.0
55°	6.3	7.1	7.1	11.0	15.7	20.5	24.4	26.0
57.5°	6.3	6.3	7.1	10.2	15.0	19.7	24.4	25.2
60°	6.3	6.3	7.1	9.4	14.2	18.9	22.8	24.4
62.5°	6.3	6.3	6.3	8.7	13.4	18.1	22.0	23.6
65°	5.5	5.5	6.3	7.9	11.8	16.5	20.5	22.0
67.5°	4.7	5.5	5.5	7.1	11.0	15.0	18.9	20.5
70°	4.7	4.7	4.7	6.3	9.4	13.4	17.3	18.1
72.5°	3.9	3.9	4.7	5.5	8.7	11.8	15.7	16.5
75°	3.1	3.9	3.9	4.7	7.1	10.2	13.4	14.2
77.5°	3.1	3.1	3.1	3.9	6.3	8.7	11.0	11.8
80°	2.4	2.4	2.4	3.1	4.7	7.1	8.7	9.4
82.5°	1.6	2.4	2.4	2.4	3.9	4.7	6.3	7.1
85°	1.6	1.6	1.6	1.6	2.4	3.1	3.9	4.7
87.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)