

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: P1323931

Luminaire Tested: LDSQA3D13R409030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

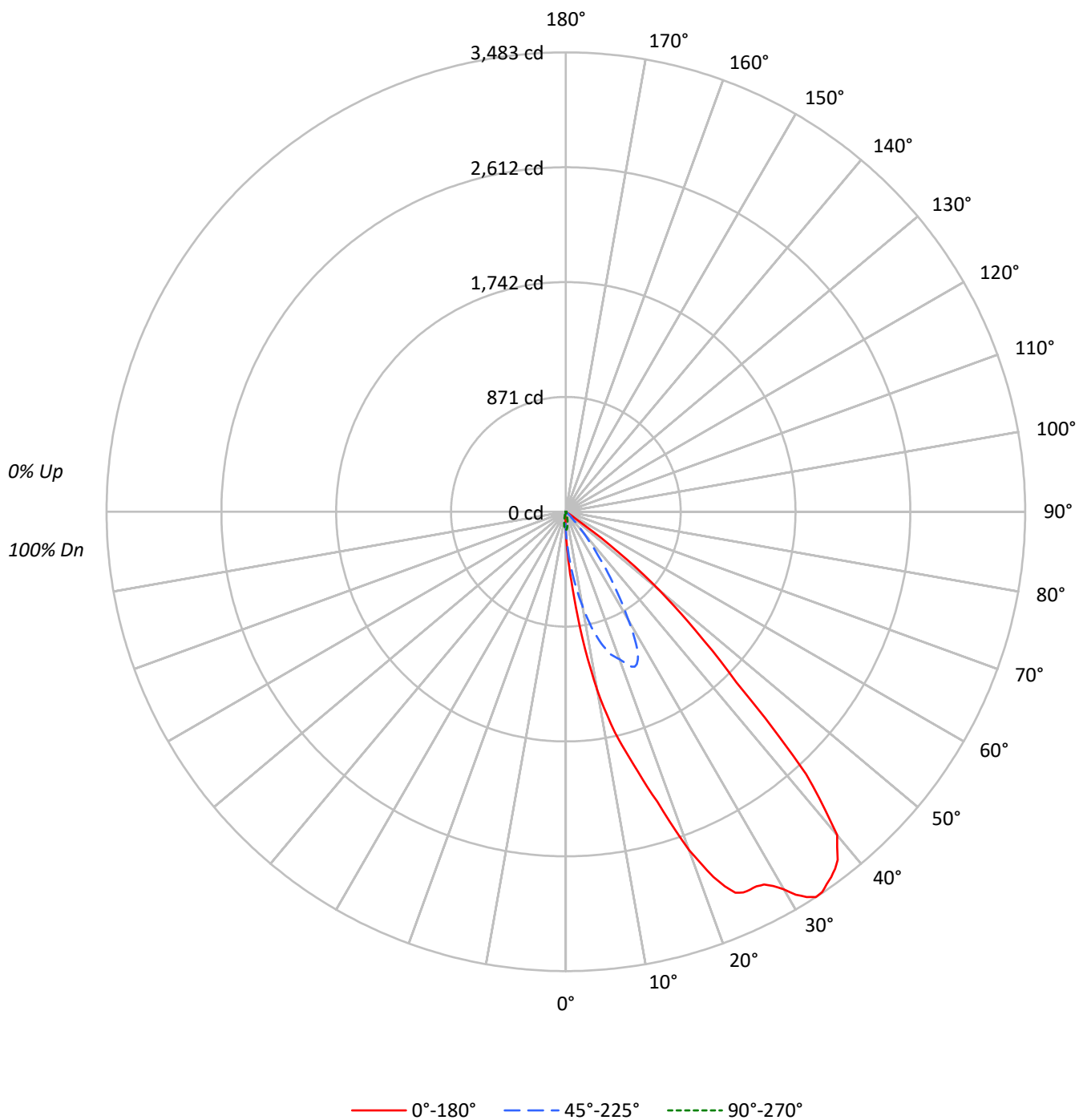
Lumens per Lamp: N/A
Luminaire Lumens: 1169.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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
RW	70	50	30	10	70	50	30	10	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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23543	23543	23543	23543	23543
5°	99942	68115	20659	3717	1867
10°	240232	126700	12801	385	0
15°	353583	184075	5367	0	0
20°	499792	218226	1979	0	0
25°	605349	242227	0	0	0
30°	657271	189479	0	0	0
35°	724757	110904	0	0	0
40°	719336	45009	0	0	0
45°	445495	13104	0	0	0
50°	248077	295	0	0	0
55°	24231	0	0	0	0
60°	0	0	379	0	0
65°	0	0	448	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	0	0
85°	0	2174	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 447589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	2.2
10°-20°	150.7	12.9
20°-30°	343.9	29.4
30°-40°	406.1	34.7
40°-50°	217.0	18.6
50°-60°	23.6	2.0
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	520.2	44.5
0°-40°	926.4	79.2
0°-60°	1166.9	99.8
0°-90°	1169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1169.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	578	394	120	22	11	81
15°	1983	1032	30	0	0	589
25°	3186	1275	0	0	0	1446
35°	3447	528	0	0	0	2129
45°	1829	54	0	0	0	1508
55°	81	0	0	0	0	226
65°	0	0	1	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°	35°	45°	67.5°	90°
0°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
2.5°	318.7	312.2	316.5	307.9	307.9	288.5	289.6	273.5	249.8	190.6	135.6
5°	578.1	604.0	583.5	556.6	541.5	522.1	496.3	469.4	394.0	237.9	119.5
7.5°	967.8	965.7	931.2	902.2	868.8	817.1	768.7	703.0	560.9	272.4	99.0
10°	1373.7	1366.2	1327.4	1302.7	1239.1	1164.9	1065.8	960.3	724.5	284.2	73.2
12.5°	1711.8	1702.1	1669.8	1627.8	1557.8	1464.2	1357.6	1218.7	896.8	271.3	47.4
15°	1983.1	1980.9	1949.7	1892.6	1819.4	1727.9	1607.3	1440.5	1032.4	237.9	30.1
17.5°	2305.0	2317.9	2261.9	2200.5	2095.0	1966.9	1819.4	1628.9	1132.6	197.0	19.4
20°	2727.0	2708.7	2657.0	2567.7	2466.5	2312.5	2103.6	1831.3	1190.7	152.9	10.8
21°	2856.2	2848.6	2794.8	2711.9	2599.9	2443.8	2228.5	1934.6	1217.6	136.7	8.6
22°	2987.5	2974.6	2932.6	2851.9	2746.4	2569.8	2333.0	2041.2	1252.1	119.5	5.4
23°	3085.5	3080.1	3047.8	2968.1	2859.4	2688.2	2446.0	2140.2	1275.8	103.4	3.2
24°	3160.8	3154.4	3122.1	3061.8	2968.1	2789.4	2560.1	2246.8	1285.4	89.4	1.1
25°	3185.6	3188.8	3169.5	3122.1	3043.5	2864.8	2645.2	2330.8	1274.7	76.4	0.0
26°	3186.7	3196.4	3182.4	3155.5	3090.9	2925.1	2724.8	2380.3	1246.7	64.6	0.0
27°	3186.7	3196.4	3182.4	3161.9	3098.4	2959.5	2767.9	2385.7	1203.6	54.9	0.0
28°	3201.8	3207.1	3188.8	3164.1	3095.2	2970.3	2779.7	2353.4	1134.7	47.4	0.0
29°	3243.7	3238.4	3208.2	3174.8	3091.9	2970.3	2744.2	2292.0	1048.6	39.8	0.0
30°	3305.1	3305.1	3257.7	3205.0	3107.0	2969.2	2687.2	2181.2	952.8	32.3	0.0
31°	3388.0	3380.5	3333.1	3254.5	3139.3	2969.2	2603.2	2058.4	864.5	28.0	0.0
32°	3444.0	3439.7	3394.5	3301.9	3192.1	2969.2	2512.7	1922.8	768.7	22.6	0.0
33°	3482.7	3474.1	3422.5	3326.6	3224.4	2954.1	2411.5	1777.4	682.6	18.3	0.0
34°	3477.4	3475.2	3421.4	3322.3	3217.9	2891.7	2294.2	1616.0	602.9	15.1	0.0
35°	3447.2	3447.2	3381.5	3279.3	3171.6	2800.2	2177.9	1478.1	527.5	10.8	0.0
36°	3424.6	3416.0	3341.7	3227.6	3094.1	2655.9	2005.7	1339.3	446.8	8.6	0.0
37°	3391.2	3375.1	3292.2	3169.5	2984.3	2499.8	1824.8	1215.5	377.9	5.4	0.0
38°	3348.2	3323.4	3222.2	3101.6	2863.7	2320.0	1640.7	1076.6	314.4	3.2	0.0
39°	3269.6	3249.1	3144.7	3014.4	2719.4	2130.6	1462.0	946.3	254.1	1.1	0.0
40°	3199.6	3164.1	3045.7	2896.0	2550.4	1916.3	1284.4	818.2	200.2	0.0	0.0
42.5°	2697.9	2660.2	2633.3	2484.8	2031.5	1375.9	896.8	524.3	104.4	0.0	0.0
45°	1829.1	1837.7	1753.8	1653.6	1340.3	896.8	560.9	291.8	53.8	0.0	0.0
47.5°	1333.9	1311.3	1197.2	1007.7	785.9	524.3	292.8	141.0	21.5	0.0	0.0
50°	925.9	882.8	779.4	637.3	427.4	249.8	129.2	65.7	1.1	0.0	0.0
52.5°	502.8	472.6	400.5	290.7	177.6	95.8	51.7	26.9	0.0	0.0	0.0
55°	80.7	56.0	58.1	49.5	38.8	28.0	16.1	3.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
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):

	112.5°	135°	157.5°	180°
0°	136.7	136.7	136.7	136.7
2.5°	91.5	62.4	47.4	40.9
5°	52.8	21.5	11.8	10.8
7.5°	25.8	7.5	4.3	4.3
10°	10.8	2.2	0.0	0.0
12.5°	3.2	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)