

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: P1323751

Luminaire Tested: LDSQA3D09R309030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323751
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: LDSQA3D09R309030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

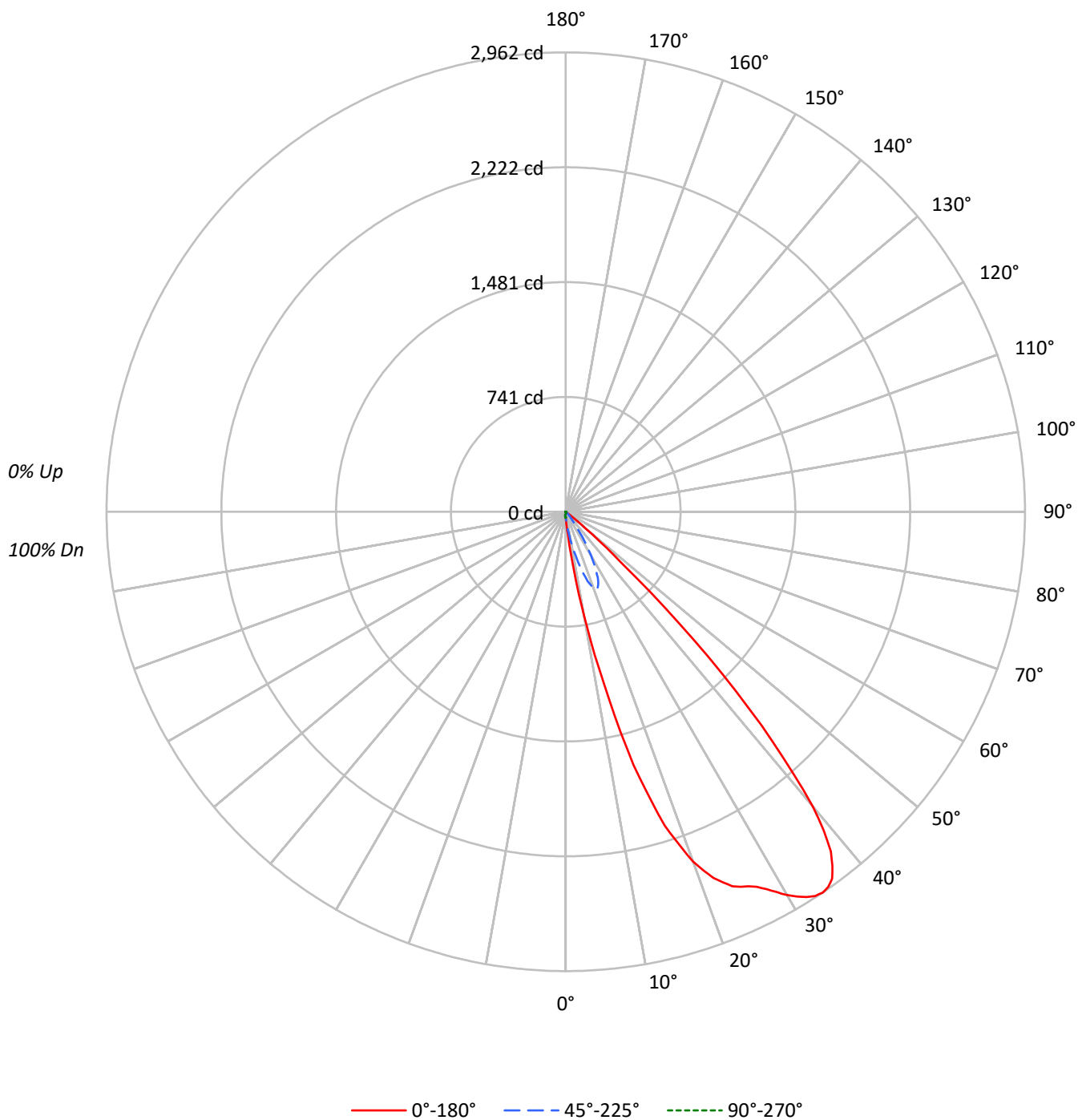
Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	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	70	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°	6562	6562	6562	6562	6562
5°	23823	14799	6016	2438	1729
10°	117956	35448	4687	472	0
15°	300878	67521	2978	0	0
20°	439641	96018	1228	0	0
25°	507200	94215	247	0	0
30°	567642	64671	0	0	0
35°	620812	27857	0	0	0
40°	557196	10836	0	0	0
45°	284551	4408	0	0	0
50°	43914	536	0	0	0
55°	2612	0	210	0	0
60°	0	0	241	0	0
65°	0	0	530	0	0
70°	0	352	655	0	0
75°	0	466	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 284551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	1.1
10°-20°	95.0	13.3
20°-30°	234.8	32.9
30°-40°	270.0	37.9
40°-50°	100.1	14.0
50°-60°	3.7	0.5
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.5	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°	337.7	47.4
0°-40°	607.7	85.2
0°-60°	711.5	99.8
0°-90°	713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	138	86	35	14	10	30
15°	1688	379	17	0	0	485
25°	2669	496	1	0	0	1233
35°	2953	132	0	0	0	1790
45°	1168	18	0	0	0	910
55°	9	0	1	0	0	30
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°	45°	67.5°	90°	112.5°
0°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2.5°	67.6	68.2	68.2	66.2	65.6	64.9	62.9	56.9	47.5	38.1	30.8
5°	137.8	138.5	138.5	134.5	126.5	118.4	111.7	85.6	54.9	34.8	22.7
7.5°	325.2	325.9	311.8	295.7	263.6	246.9	216.1	131.8	62.2	31.4	14.7
10°	674.5	659.7	622.9	576.1	526.6	462.4	397.5	202.7	67.6	26.8	9.4
12.5°	1127.5	1113.4	1065.9	999.0	902.0	776.2	653.1	285.0	68.2	21.4	5.4
15°	1687.5	1648.0	1591.1	1480.1	1336.9	1142.2	938.8	378.7	65.6	16.7	1.3
17.5°	2121.8	2085.6	2013.4	1883.5	1705.6	1489.4	1239.9	467.7	58.2	10.7	0.0
20°	2398.8	2360.6	2293.0	2178.6	1989.3	1735.7	1450.0	523.9	48.2	6.7	0.0
21°	2477.7	2440.9	2374.7	2260.9	2072.2	1819.3	1501.5	536.0	43.5	5.4	0.0
22°	2547.3	2518.5	2457.0	2333.2	2141.2	1880.9	1553.7	537.3	40.1	4.0	0.0
23°	2596.2	2575.4	2513.9	2400.1	2208.7	1931.1	1581.8	529.3	36.1	2.7	0.0
24°	2643.0	2617.6	2564.7	2459.0	2262.3	1973.2	1607.2	514.5	32.1	2.0	0.0
25°	2669.1	2639.6	2598.8	2499.8	2306.4	2000.0	1622.6	495.8	28.1	1.3	0.0
26°	2687.2	2664.4	2619.6	2523.9	2325.2	2017.4	1624.6	468.4	25.4	0.7	0.0
27°	2714.6	2691.8	2648.3	2545.3	2333.2	2014.7	1612.6	436.9	22.1	0.0	0.0
28°	2756.1	2726.0	2682.5	2568.1	2336.5	2003.3	1585.8	402.8	18.7	0.0	0.0
29°	2803.6	2772.8	2725.3	2598.2	2337.2	1980.6	1543.6	365.3	16.7	0.0	0.0
30°	2854.4	2827.7	2779.5	2627.6	2344.6	1951.1	1494.8	325.2	13.4	0.0	0.0
31°	2894.6	2870.5	2819.0	2654.4	2350.6	1925.7	1434.6	285.0	11.4	0.0	0.0
32°	2929.4	2908.0	2844.4	2660.4	2338.5	1889.6	1370.3	246.2	9.4	0.0	0.0
33°	2953.5	2926.7	2852.4	2645.0	2303.8	1830.0	1298.7	209.4	7.4	0.0	0.0
34°	2962.2	2930.0	2840.4	2604.9	2233.5	1739.7	1205.7	171.3	6.0	0.0	0.0
35°	2952.8	2913.3	2796.9	2535.9	2138.5	1632.0	1094.0	132.5	4.7	0.0	0.0
36°	2922.7	2872.5	2734.7	2437.6	2002.7	1504.8	982.3	103.0	3.3	0.0	0.0
37°	2857.8	2802.2	2628.3	2307.8	1868.2	1359.0	855.1	80.3	2.0	0.0	0.0
38°	2778.2	2697.9	2486.4	2143.8	1694.2	1195.0	729.3	66.2	1.3	0.0	0.0
39°	2642.3	2554.0	2317.8	1955.1	1523.6	1039.1	606.9	57.5	0.7	0.0	0.0
40°	2478.4	2373.3	2125.1	1753.1	1322.2	875.9	506.5	48.2	0.7	0.0	0.0
42.5°	1869.5	1780.5	1513.5	1192.4	808.3	516.6	281.0	31.4	0.0	0.0	0.0
45°	1168.3	1075.3	894.6	653.7	437.6	267.6	135.2	18.1	0.0	0.0	0.0
47.5°	477.1	437.6	360.0	277.0	198.1	125.8	56.2	8.0	0.0	0.0	0.0
50°	163.9	145.9	122.4	89.7	63.6	43.5	29.4	2.0	0.0	0.0	0.0
52.5°	47.5	48.2	42.2	36.1	28.1	20.1	14.7	0.0	0.0	0.0	0.0
55°	8.7	7.4	8.7	8.0	8.7	7.4	5.4	0.0	0.0	0.7	0.0
57.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7



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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	0.7	1.3	2.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
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°	38.1	38.1	38.1
2.5°	24.8	22.1	20.7
5°	14.1	10.7	10.0
7.5°	7.4	4.7	4.0
10°	2.7	0.7	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)