

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: P1312384

Luminaire Tested: LDSQA3D09R309050DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312384  
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: LDSQA3D09R309050DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

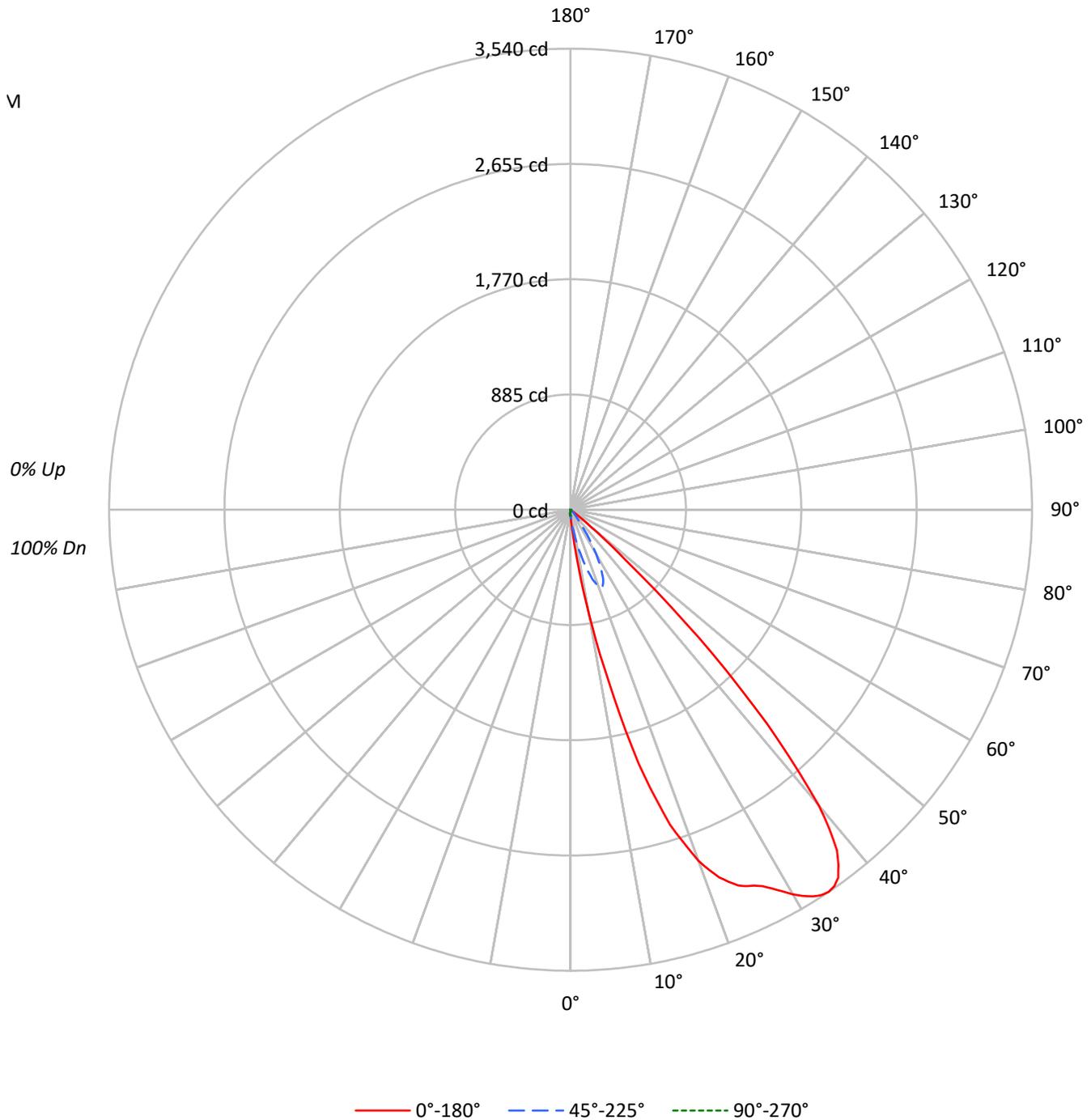
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 852.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 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): 11.1  
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





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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	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°	7853	7853	7853	7853	7853
5°	28473	17686	7192	2904	2075
10°	140953	42373	5596	560	0
15°	359538	80680	3566	0	0
20°	525341	114749	1466	0	0
25°	606071	112591	304	0	0
30°	678311	77279	0	0	0
35°	741829	33282	0	0	0
40°	665829	12950	0	0	0
45°	340009	5261	0	0	0
50°	52488	643	0	0	0
55°	3123	0	240	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1597	0	0
80°	0	793	2380	0	0
85°	0	1581	4742	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 340009 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	1.1
10°-20°	113.5	13.3
20°-30°	280.5	32.9
30°-40°	322.6	37.9
40°-50°	119.7	14.0
50°-60°	4.4	0.5
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	403.6	47.4
0°-40°	726.2	85.2
0°-60°	850.2	99.8
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	165	102	42	17	12	36
15°	2016	452	20	0	0	580
25°	3189	592	2	0	0	1474
35°	3528	158	0	0	0	2139
45°	1396	22	0	0	0	1087
55°	10	0	1	0	0	36
65°	0	0	2	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°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
2.5°	80.8	81.6	81.6	79.2	78.4	77.6	75.2	68.0	56.8	45.6	36.8
5°	164.7	165.5	165.5	160.7	151.1	141.5	133.5	102.3	65.6	41.6	27.2
7.5°	388.6	389.4	372.6	353.4	315.0	295.0	258.3	157.5	74.4	37.6	17.6
10°	806.0	788.4	744.4	688.4	629.3	552.5	474.9	242.3	80.8	32.0	11.2
12.5°	1347.3	1330.5	1273.7	1193.7	1077.8	927.5	780.4	340.6	81.6	25.6	6.4
15°	2016.5	1969.3	1901.3	1768.6	1597.5	1364.8	1121.8	452.5	78.4	20.0	1.6
17.5°	2535.4	2492.2	2405.9	2250.7	2038.1	1779.8	1481.6	558.9	69.6	12.8	0.0
20°	2866.4	2820.8	2740.1	2603.4	2377.1	2074.0	1732.6	626.1	57.6	8.0	0.0
21°	2960.8	2916.8	2837.6	2701.7	2476.2	2174.0	1794.2	640.4	52.0	6.4	0.0
22°	3043.9	3009.5	2936.0	2788.1	2558.6	2247.6	1856.6	642.0	48.0	4.8	0.0
23°	3102.3	3077.5	3003.9	2868.0	2639.3	2307.5	1890.1	632.4	43.2	3.2	0.0
24°	3158.2	3127.9	3064.7	2938.4	2703.3	2357.9	1920.5	614.9	38.4	2.4	0.0
25°	3189.4	3154.2	3105.5	2987.1	2756.1	2389.9	1938.9	592.5	33.6	1.6	0.0
26°	3211.0	3183.8	3130.3	3015.9	2778.5	2410.7	1941.3	559.7	30.4	0.8	0.0
27°	3243.8	3216.6	3164.6	3041.5	2788.1	2407.5	1926.9	522.1	26.4	0.0	0.0
28°	3293.4	3257.4	3205.4	3068.7	2792.0	2393.9	1894.9	481.3	22.4	0.0	0.0
29°	3350.1	3313.4	3256.6	3104.7	2792.8	2366.7	1844.6	436.6	20.0	0.0	0.0
30°	3410.9	3378.9	3321.4	3139.9	2801.6	2331.5	1786.2	388.6	16.0	0.0	0.0
31°	3458.9	3430.1	3368.5	3171.8	2808.8	2301.1	1714.2	340.6	13.6	0.0	0.0
32°	3500.5	3474.9	3398.9	3179.0	2794.4	2257.9	1637.5	294.2	11.2	0.0	0.0
33°	3529.2	3497.3	3408.5	3160.6	2752.9	2186.8	1551.9	250.3	8.8	0.0	0.0
34°	3539.6	3501.3	3394.1	3112.7	2668.9	2078.8	1440.8	204.7	7.2	0.0	0.0
35°	3528.4	3481.3	3342.1	3030.3	2555.4	1950.1	1307.3	158.3	5.6	0.0	0.0
36°	3492.5	3432.5	3267.8	2912.8	2393.1	1798.2	1173.7	123.1	4.0	0.0	0.0
37°	3414.9	3348.5	3140.7	2757.7	2232.4	1623.9	1021.8	95.9	2.4	0.0	0.0
38°	3319.8	3223.8	2971.1	2561.8	2024.5	1428.0	871.5	79.2	1.6	0.0	0.0
39°	3157.4	3051.9	2769.7	2336.3	1820.6	1241.7	725.2	68.8	0.8	0.0	0.0
40°	2961.6	2836.0	2539.4	2094.8	1579.9	1046.6	605.3	57.6	0.8	0.0	0.0
42.5°	2234.0	2127.6	1808.6	1424.8	965.9	617.3	335.8	37.6	0.0	0.0	0.0
45°	1396.0	1284.9	1069.0	781.2	522.9	319.8	161.5	21.6	0.0	0.0	0.0
47.5°	570.1	522.9	430.2	331.0	236.7	150.3	67.2	9.6	0.0	0.0	0.0
50°	195.9	174.3	146.3	107.1	76.0	52.0	35.2	2.4	0.0	0.0	0.0
52.5°	56.8	57.6	50.4	43.2	33.6	24.0	17.6	0.0	0.0	0.0	0.0
55°	10.4	8.8	10.4	9.6	10.4	8.8	6.4	0.0	0.0	0.8	0.0
57.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8



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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	0.8	1.6	2.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	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):**

	135°	157.5°	180°
0°	45.6	45.6	45.6
2.5°	29.6	26.4	24.8
5°	16.8	12.8	12.0
7.5°	8.8	5.6	4.8
10°	3.2	0.8	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)