

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: P1310173

Luminaire Tested: LDSQA3D09R259035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

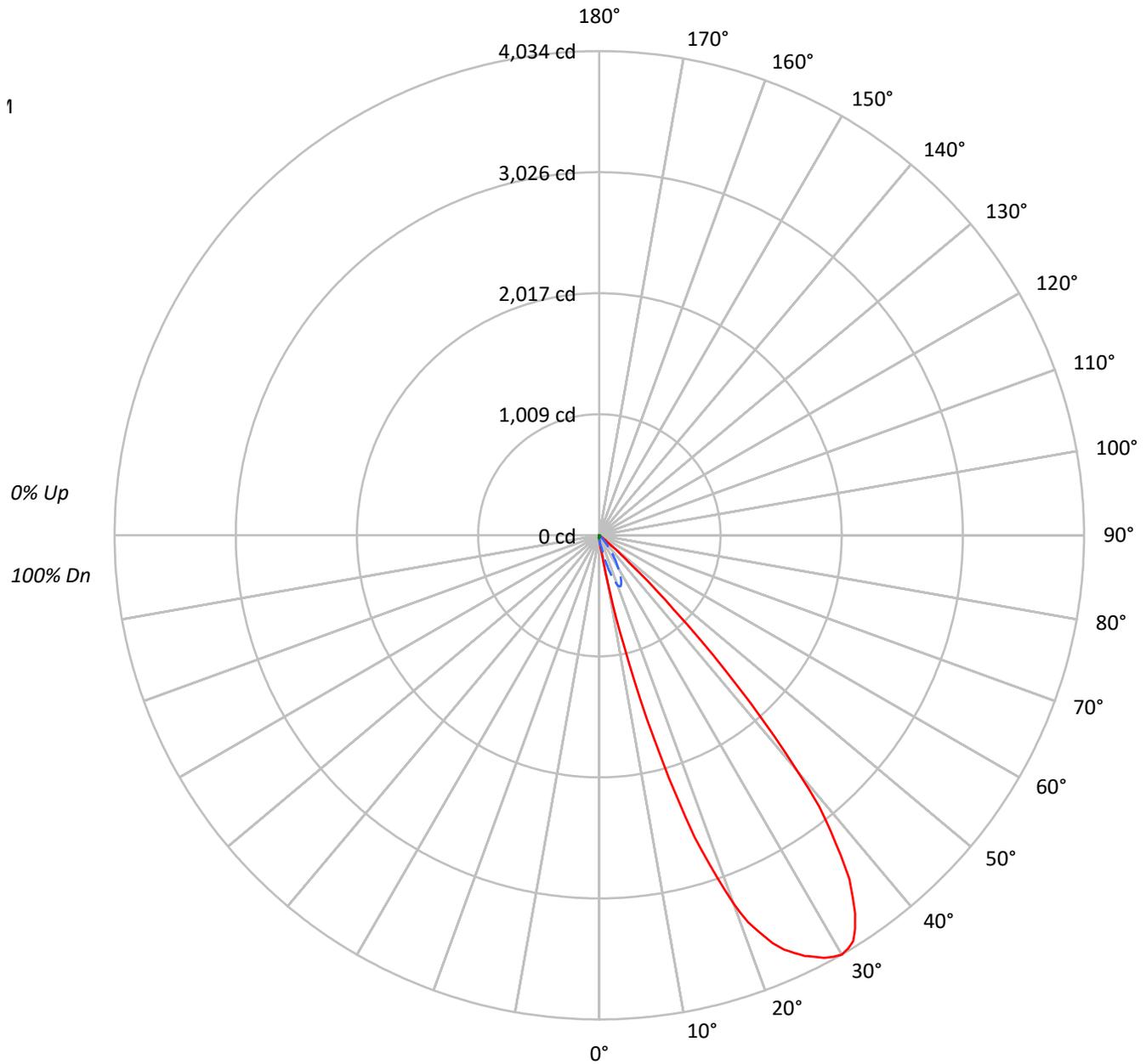
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 807.1 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	50	47	56	50	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	5959	5959	5959	5959	5959
5°	14971	11064	5601	2870	2213
10°	65440	18835	4617	1312	927
15°	311183	50744	3227	535	410
20°	599036	81283	2071	147	147
25°	729550	81978	1140	0	0
30°	802124	62742	457	0	0
35°	772987	39883	168	0	0
40°	577564	17266	0	0	180
45°	213821	4579	195	195	560
50°	25212	616	402	402	804
55°	2492	0	450	691	1141
60°	276	0	792	1033	1309
65°	326	326	1223	1549	1834
70°	403	403	1511	1511	2266
75°	532	532	1530	1530	1996
80°	0	793	2281	1488	2281
85°	0	1581	4545	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 213821 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.6
10°-20°	94.1	11.7
20°-30°	295.3	36.6
30°-40°	310.9	38.5
40°-50°	91.3	11.3
50°-60°	4.9	0.6
60°-70°	2.4	0.3
70°-80°	2.1	0.3
80°-90°	1.1	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°	394.4	48.9
0°-40°	705.3	87.4
0°-60°	801.5	99.3
0°-90°	807.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	87	64	32	17	13	15
15°	1745	285	18	3	2	550
25°	3839	431	6	0	0	1761
35°	3677	190	1	0	0	2219
45°	878	19	1	1	2	798
55°	8	0	2	2	4	21
65°	1	1	3	4	4	1
75°	1	1	2	2	3	1
85°	0	1	2	1	1	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°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
2.5°	53.5	54.2	52.0	53.5	52.0	51.2	50.4	46.7	40.7	34.6	28.6
5°	86.6	86.6	82.8	82.1	80.6	77.6	74.5	64.0	45.9	32.4	22.6
7.5°	135.5	134.8	133.3	129.5	122.0	114.4	106.9	83.6	50.4	30.1	17.3
10°	374.2	368.9	362.2	321.5	275.6	234.9	199.5	107.7	54.2	26.4	12.8
12.5°	929.9	899.8	828.2	746.9	643.0	533.8	426.9	175.4	55.7	21.8	9.0
15°	1745.3	1682.8	1571.4	1408.8	1196.4	957.7	754.4	284.6	54.2	18.1	6.8
17.5°	2635.3	2575.1	2420.7	2173.7	1861.3	1494.6	1134.7	377.2	50.4	15.1	4.5
20°	3268.5	3204.5	3060.0	2797.9	2459.9	1971.2	1493.8	443.5	47.4	11.3	2.3
21°	3453.7	3389.7	3236.9	2983.9	2628.5	2138.4	1609.0	454.8	45.2	9.8	1.5
22°	3571.2	3533.6	3369.4	3124.0	2761.8	2272.4	1707.7	460.0	43.7	9.0	1.5
23°	3689.4	3632.9	3479.3	3220.3	2863.4	2371.8	1780.7	456.3	42.2	7.5	0.8
24°	3776.8	3729.3	3550.9	3294.9	2934.2	2432.8	1823.6	446.5	39.9	6.8	0.8
25°	3839.2	3795.6	3609.6	3345.3	2981.6	2465.9	1837.2	431.4	37.6	6.0	0.8
26°	3898.7	3851.3	3658.5	3374.7	3006.5	2476.4	1824.4	414.9	35.4	5.3	0.0
27°	3941.6	3893.5	3692.4	3392.0	3008.0	2463.6	1789.7	392.3	33.1	4.5	0.0
28°	3987.6	3931.9	3715.8	3401.8	2999.0	2433.5	1740.0	368.2	31.6	3.8	0.0
29°	4015.4	3962.7	3739.9	3412.3	2980.1	2383.1	1667.8	339.6	27.9	2.3	0.0
30°	4033.5	3971.0	3737.6	3401.0	2955.3	2328.8	1581.2	315.5	24.1	2.3	0.0
31°	4018.4	3952.9	3713.5	3369.4	2915.4	2258.1	1492.3	285.4	19.6	1.5	0.0
32°	3986.1	3908.5	3671.3	3314.4	2843.9	2167.0	1400.5	260.5	14.3	1.5	0.0
33°	3907.0	3841.5	3595.3	3240.7	2750.5	2043.5	1280.8	236.4	9.8	0.8	0.0
34°	3807.6	3742.1	3491.4	3142.0	2625.5	1883.9	1135.4	211.6	8.3	0.8	0.0
35°	3676.6	3611.9	3373.9	3004.2	2459.9	1691.9	985.6	189.7	6.8	0.8	0.0
36°	3538.8	3453.0	3225.6	2857.4	2237.7	1473.5	825.2	164.9	5.3	0.8	0.0
37°	3336.3	3278.3	3026.1	2633.8	1997.6	1264.2	708.5	142.3	3.8	0.8	0.0
38°	3126.2	3072.8	2826.5	2408.7	1729.5	1057.1	593.3	120.5	3.0	0.0	0.0
39°	2909.4	2820.5	2577.3	2120.3	1448.7	885.5	499.2	100.9	1.5	0.0	0.0
40°	2569.0	2501.3	2241.5	1773.9	1198.7	717.6	425.4	76.8	1.5	0.0	0.0
42.5°	1703.2	1639.9	1367.3	962.3	637.0	419.4	280.8	30.1	0.0	0.8	0.0
45°	877.9	838.0	680.7	503.7	361.4	257.5	180.7	18.8	0.0	0.8	0.8
47.5°	348.6	341.8	308.7	266.5	205.6	152.8	98.6	8.3	0.0	0.8	0.8
50°	94.1	94.9	88.8	82.1	74.5	70.0	41.4	2.3	0.0	1.5	0.8
52.5°	39.9	40.7	39.2	36.9	33.1	24.8	16.6	0.8	0.8	1.5	1.5
55°	8.3	9.0	9.8	10.5	12.0	10.5	6.8	0.0	0.8	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	0.0	0.8	1.5	2.3
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	2.3	2.3
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.0	3.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	1.5



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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	0.8	0.8	1.5	2.3	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
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°	34.6	34.6	34.6
2.5°	24.1	21.8	21.1
5°	16.6	14.3	12.8
7.5°	11.3	9.0	8.3
10°	7.5	6.0	5.3
12.5°	5.3	3.0	3.0
15°	3.0	2.3	2.3
17.5°	1.5	0.8	0.8
20°	0.8	0.8	0.8
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	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.5
45°	0.8	1.5	2.3
47.5°	1.5	2.3	3.0
50°	1.5	3.0	3.0
52.5°	2.3	3.0	3.8
55°	2.3	3.8	3.8
57.5°	3.0	3.8	4.5
60°	3.0	3.8	3.8
62.5°	3.0	4.5	4.5
65°	3.8	4.5	4.5
67.5°	3.8	4.5	4.5
70°	3.0	3.8	4.5
72.5°	3.0	3.8	3.8
75°	2.3	3.0	3.0
77.5°	2.3	2.3	3.0
80°	1.5	2.3	2.3



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)