

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: P1314458

Luminaire Tested: LDSQA3D09R259730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314458  
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: LDSQA3D09R259730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

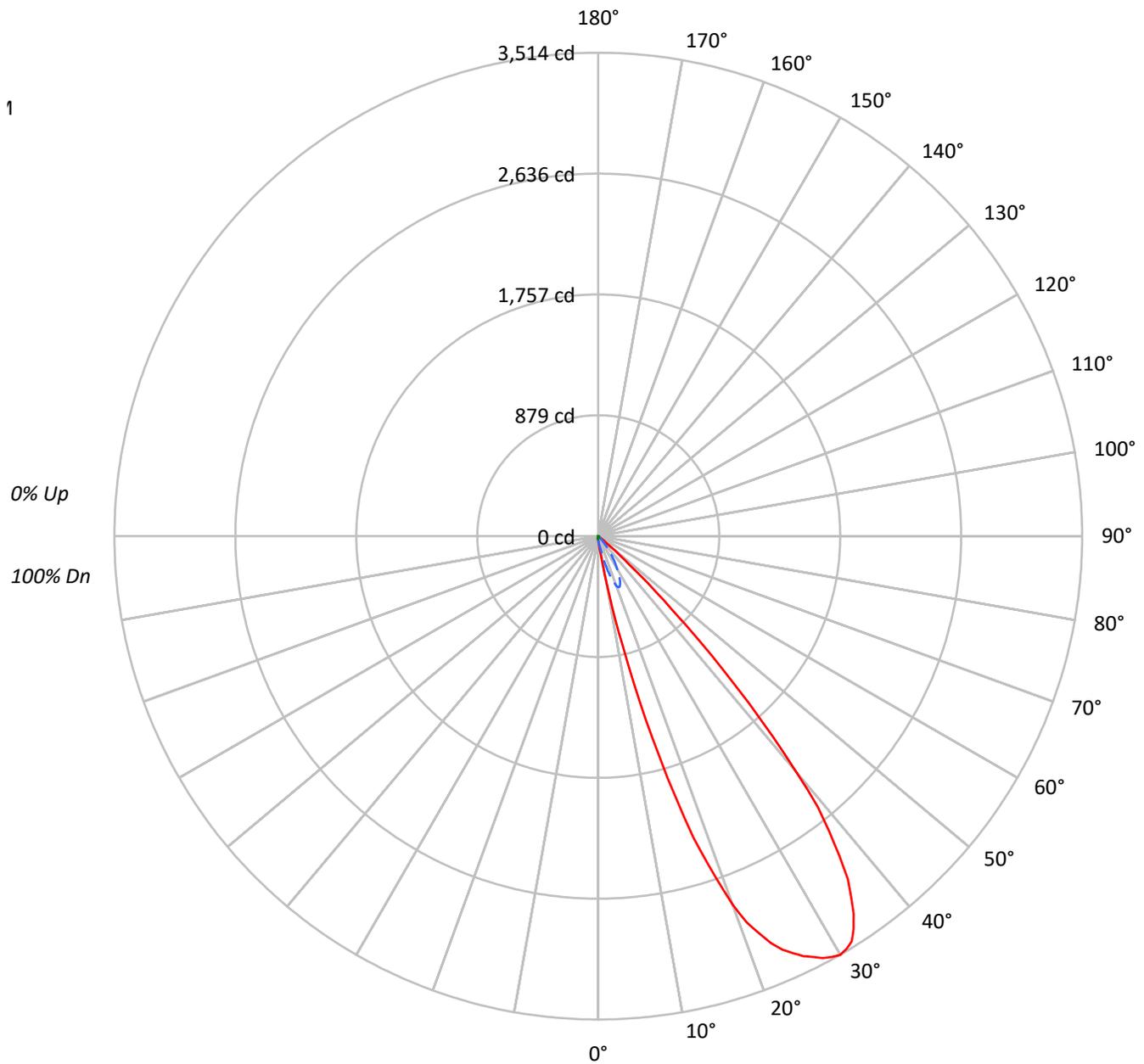
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 703.1 lumens  
Efficiency: N/A  
Efficacy: 63.3 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				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	51	47	56	51	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°	5201	5201	5201	5201	5201
5°	13035	9647	4875	2489	1936
10°	57011	16404	4022	1154	804
15°	271084	44200	2799	464	357
20°	521840	70799	1796	128	128
25°	635544	71412	988	0	0
30°	698754	54648	398	0	0
35°	673373	34754	147	0	0
40°	503149	15041	0	0	157
45°	186274	3994	170	170	487
50°	21970	536	348	348	697
55°	2162	0	390	601	991
60°	241	0	689	896	1137
65°	285	285	1060	1345	1589
70°	352	352	1309	1309	1964
75°	466	466	1331	1331	1730
80°	0	694	1984	1289	1984
85°	0	1383	3952	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 186274 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.4	0.6
10°-20°	82.0	11.7
20°-30°	257.3	36.6
30°-40°	270.8	38.5
40°-50°	79.6	11.3
50°-60°	4.3	0.6
60°-70°	2.1	0.3
70°-80°	1.8	0.3
80°-90°	0.9	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°	343.6	48.9
0°-40°	614.4	87.4
0°-60°	698.2	99.3
0°-90°	703.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	75	56	28	14	11	13
15°	1520	248	16	3	2	479
25°	3344	376	5	0	0	1534
35°	3203	165	1	0	0	1933
45°	765	16	1	1	2	695
55°	7	0	1	2	3	18
65°	1	1	3	3	4	1
75°	1	1	2	2	3	0
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°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2.5°	46.6	47.2	45.3	46.6	45.3	44.6	43.9	40.7	35.4	30.2	24.9
5°	75.4	75.4	72.1	71.5	70.2	67.6	64.9	55.8	40.0	28.2	19.7
7.5°	118.1	117.4	116.1	112.8	106.3	99.7	93.1	72.8	43.9	26.2	15.1
10°	326.0	321.4	315.5	280.1	240.1	204.6	173.8	93.8	47.2	23.0	11.2
12.5°	810.0	783.8	721.5	650.7	560.1	465.0	371.9	152.8	48.5	19.0	7.9
15°	1520.4	1466.0	1368.9	1227.2	1042.2	834.3	657.2	247.9	47.2	15.7	5.9
17.5°	2295.7	2243.2	2108.7	1893.6	1621.4	1302.0	988.5	328.6	43.9	13.1	3.9
20°	2847.3	2791.5	2665.6	2437.4	2142.9	1717.2	1301.3	386.3	41.3	9.8	2.0
21°	3008.6	2952.9	2819.7	2599.4	2289.8	1862.8	1401.7	396.2	39.4	8.5	1.3
22°	3111.0	3078.2	2935.2	2721.4	2405.9	1979.5	1487.6	400.8	38.0	7.9	1.3
23°	3213.9	3164.8	3031.0	2805.3	2494.4	2066.1	1551.2	397.5	36.7	6.6	0.7
24°	3290.0	3248.7	3093.3	2870.3	2556.1	2119.2	1588.6	389.0	34.8	5.9	0.7
25°	3344.5	3306.4	3144.4	2914.2	2597.4	2148.1	1600.4	375.8	32.8	5.2	0.7
26°	3396.3	3355.0	3187.1	2939.8	2619.0	2157.3	1589.3	361.4	30.8	4.6	0.0
27°	3433.7	3391.7	3216.6	2954.9	2620.4	2146.1	1559.1	341.7	28.9	3.9	0.0
28°	3473.7	3425.2	3236.9	2963.4	2612.5	2119.9	1515.8	320.7	27.5	3.3	0.0
29°	3498.0	3452.0	3257.9	2972.6	2596.1	2075.9	1452.8	295.8	24.3	2.0	0.0
30°	3513.7	3459.3	3255.9	2962.7	2574.4	2028.7	1377.4	274.8	21.0	2.0	0.0
31°	3500.6	3443.5	3234.9	2935.2	2539.7	1967.1	1300.0	248.6	17.1	1.3	0.0
32°	3472.4	3404.8	3198.2	2887.3	2477.4	1887.7	1220.0	226.9	12.5	1.3	0.0
33°	3403.5	3346.4	3132.0	2823.0	2396.0	1780.1	1115.7	206.0	8.5	0.7	0.0
34°	3316.9	3259.9	3041.4	2737.1	2287.2	1641.1	989.1	184.3	7.2	0.7	0.0
35°	3202.8	3146.4	2939.1	2617.1	2142.9	1473.8	858.6	165.3	5.9	0.7	0.0
36°	3082.8	3008.0	2809.9	2489.2	1949.4	1283.6	718.9	143.6	4.6	0.7	0.0
37°	2906.3	2855.8	2636.1	2294.4	1740.1	1101.3	617.2	124.0	3.3	0.7	0.0
38°	2723.3	2676.8	2462.3	2098.2	1506.6	920.9	516.9	104.9	2.6	0.0	0.0
39°	2534.4	2457.0	2245.2	1847.0	1262.0	771.3	434.9	87.9	1.3	0.0	0.0
40°	2238.0	2178.9	1952.6	1545.3	1044.2	625.1	370.6	66.9	1.3	0.0	0.0
42.5°	1483.7	1428.6	1191.1	838.3	554.9	365.3	244.7	26.2	0.0	0.7	0.0
45°	764.8	730.0	592.9	438.8	314.8	224.3	157.4	16.4	0.0	0.7	0.7
47.5°	303.7	297.8	268.9	232.2	179.1	133.1	85.9	7.2	0.0	0.7	0.7
50°	82.0	82.6	77.4	71.5	64.9	61.0	36.1	2.0	0.0	1.3	0.7
52.5°	34.8	35.4	34.1	32.1	28.9	21.6	14.4	0.7	0.7	1.3	1.3
55°	7.2	7.9	8.5	9.2	10.5	9.2	5.9	0.0	0.7	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	2.0	2.0	1.3	0.0	0.7	1.3	2.0
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.3	2.0	2.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	2.0	2.6
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	2.6	2.6
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.6	2.6
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.6	2.6
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.6	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	2.0	1.3



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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	0.7	0.7	1.3	2.0	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	1.3
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°	30.2	30.2	30.2
2.5°	21.0	19.0	18.4
5°	14.4	12.5	11.2
7.5°	9.8	7.9	7.2
10°	6.6	5.2	4.6
12.5°	4.6	2.6	2.6
15°	2.6	2.0	2.0
17.5°	1.3	0.7	0.7
20°	0.7	0.7	0.7
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	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.3
45°	0.7	1.3	2.0
47.5°	1.3	2.0	2.6
50°	1.3	2.6	2.6
52.5°	2.0	2.6	3.3
55°	2.0	3.3	3.3
57.5°	2.6	3.3	3.9
60°	2.6	3.3	3.3
62.5°	2.6	3.9	3.9
65°	3.3	3.9	3.9
67.5°	3.3	3.9	3.9
70°	2.6	3.3	3.9
72.5°	2.6	3.3	3.3
75°	2.0	2.6	2.6
77.5°	2.0	2.0	2.6
80°	1.3	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	1.3	1.3	1.3
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)