

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: P1311291

Luminaire Tested: LDSQA3D09R259040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311291  
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: LDSQA3D09R259040DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

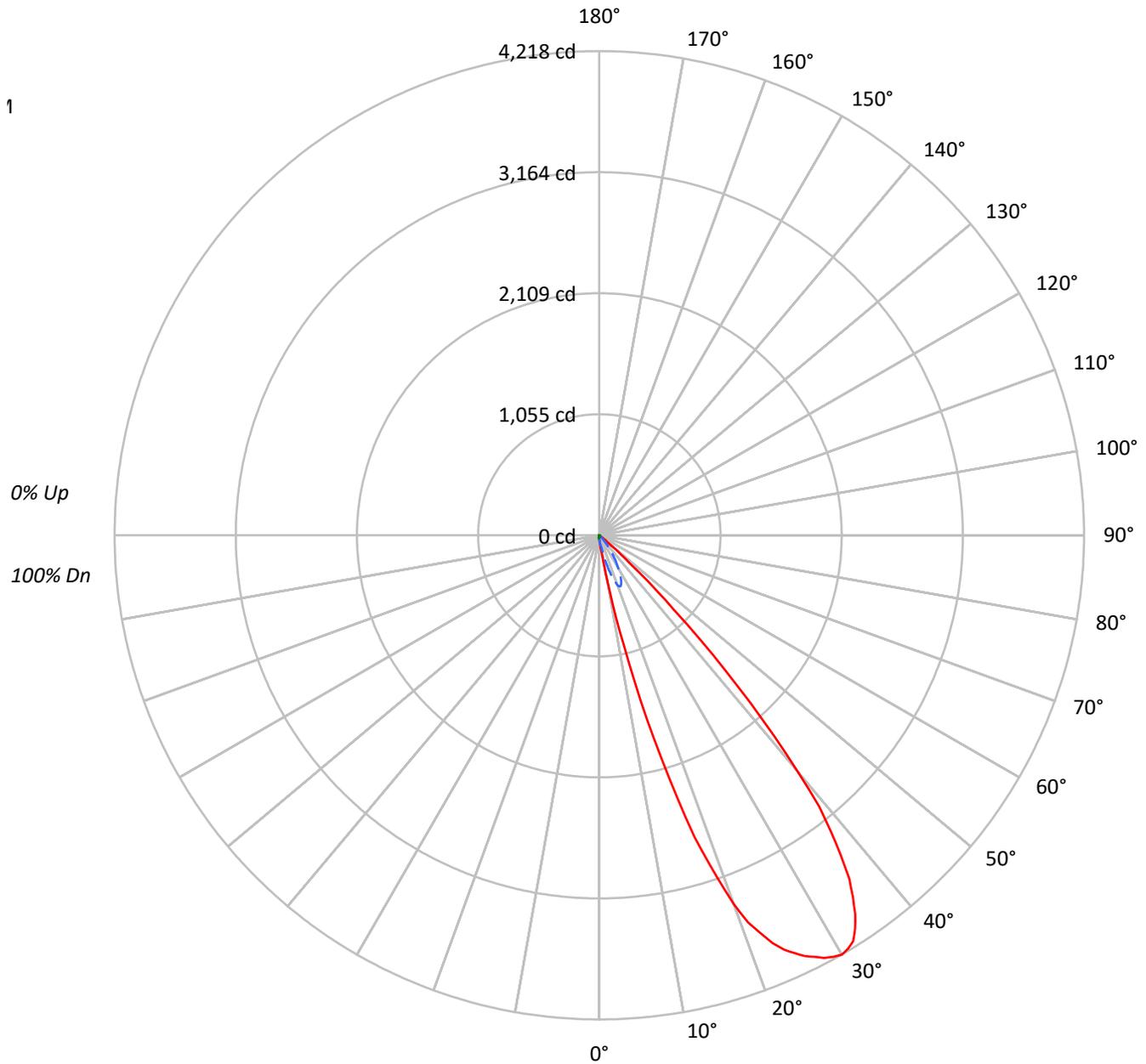
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 844.0 lumens  
Efficiency: N/A  
Efficacy: 76.0 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	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°	6234	6234	6234	6234	6234
5°	15663	11566	5861	2991	2317
10°	68448	19691	4827	1382	962
15°	325447	53079	3370	553	428
20°	626509	85003	2163	147	147
25°	763014	85740	1197	0	0
30°	838895	65606	477	0	0
35°	808434	41713	168	0	0
40°	604048	18053	0	0	180
45°	223636	4798	195	195	585
50°	26364	643	429	429	831
55°	2612	0	480	721	1171
60°	276	0	827	1068	1343
65°	326	326	1263	1589	1915
70°	403	403	1561	1561	2367
75°	532	532	1597	1597	2063
80°	0	793	2380	1587	2380
85°	0	1581	4742	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 223636 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.6
10°-20°	98.4	11.7
20°-30°	308.9	36.6
30°-40°	325.1	38.5
40°-50°	95.5	11.3
50°-60°	5.1	0.6
60°-70°	2.5	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°	412.5	48.9
0°-40°	737.6	87.4
0°-60°	838.3	99.3
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	91	67	34	17	13	16
15°	1825	298	19	3	2	575
25°	4015	451	6	0	0	1842
35°	3845	198	1	0	0	2320
45°	918	20	1	1	2	834
55°	9	0	2	2	4	22
65°	1	1	3	4	5	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°	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
2.5°	55.9	56.7	54.3	55.9	54.3	53.5	52.8	48.8	42.5	36.2	29.9
5°	90.6	90.6	86.6	85.8	84.3	81.1	78.0	66.9	48.0	33.9	23.6
7.5°	141.7	141.0	139.4	135.4	127.6	119.7	111.8	87.4	52.8	31.5	18.1
10°	391.4	385.9	378.8	336.2	288.2	245.7	208.7	112.6	56.7	27.6	13.4
12.5°	972.5	941.0	866.2	781.2	672.5	558.3	446.5	183.5	58.3	22.8	9.4
15°	1825.3	1760.0	1643.4	1473.3	1251.3	1001.7	789.0	297.7	56.7	18.9	7.1
17.5°	2756.1	2693.1	2531.7	2273.4	1946.6	1563.1	1186.7	394.5	52.8	15.7	4.7
20°	3418.4	3351.4	3200.2	2926.2	2572.6	2061.6	1562.3	463.8	49.6	11.8	2.4
21°	3612.1	3545.2	3385.3	3120.7	2749.0	2236.4	1682.8	475.6	47.2	10.2	1.6
22°	3734.9	3695.6	3523.9	3267.2	2888.4	2376.6	1786.0	481.1	45.7	9.4	1.6
23°	3858.6	3799.5	3638.9	3368.0	2994.7	2480.5	1862.3	477.2	44.1	7.9	0.8
24°	3949.9	3900.3	3713.7	3445.9	3068.7	2544.3	1907.2	467.0	41.7	7.1	0.8
25°	4015.3	3969.6	3775.1	3498.7	3118.4	2578.9	1921.4	451.2	39.4	6.3	0.8
26°	4077.5	4027.9	3826.3	3529.4	3144.3	2590.0	1908.0	433.9	37.0	5.5	0.0
27°	4122.4	4072.0	3861.7	3547.5	3145.9	2576.6	1871.8	410.3	34.6	4.7	0.0
28°	4170.4	4112.1	3886.1	3557.8	3136.5	2545.1	1819.8	385.1	33.1	3.9	0.0
29°	4199.5	4144.4	3911.3	3568.8	3116.8	2492.3	1744.2	355.1	29.1	2.4	0.0
30°	4218.4	4153.1	3909.0	3557.0	3090.8	2435.6	1653.7	329.9	25.2	2.4	0.0
31°	4202.7	4134.2	3883.8	3523.9	3049.1	2361.6	1560.8	298.4	20.5	1.6	0.0
32°	4168.8	4087.7	3839.7	3466.4	2974.2	2266.3	1464.7	272.5	15.0	1.6	0.0
33°	4086.1	4017.6	3760.1	3389.2	2876.6	2137.2	1339.5	247.3	10.2	0.8	0.0
34°	3982.2	3913.7	3651.5	3286.1	2745.9	1970.2	1187.5	221.3	8.7	0.8	0.0
35°	3845.2	3777.5	3528.6	3142.0	2572.6	1769.4	1030.8	198.4	7.1	0.8	0.0
36°	3701.1	3611.3	3373.5	2988.4	2340.3	1541.1	863.1	172.5	5.5	0.8	0.0
37°	3489.2	3428.6	3164.8	2754.5	2089.1	1322.1	741.0	148.8	3.9	0.8	0.0
38°	3269.5	3213.6	2956.1	2519.1	1808.8	1105.6	620.5	126.0	3.1	0.0	0.0
39°	3042.8	2949.8	2695.5	2217.5	1515.1	926.1	522.1	105.5	1.6	0.0	0.0
40°	2686.8	2616.0	2344.3	1855.3	1253.6	750.5	444.9	80.3	1.6	0.0	0.0
42.5°	1781.2	1715.1	1430.0	1006.4	666.2	438.6	293.7	31.5	0.0	0.8	0.0
45°	918.2	876.4	711.9	526.8	378.0	269.3	189.0	19.7	0.0	0.8	0.8
47.5°	364.6	357.5	322.9	278.8	215.0	159.9	103.2	8.7	0.0	0.8	0.8
50°	98.4	99.2	92.9	85.8	78.0	73.2	43.3	2.4	0.0	1.6	0.8
52.5°	41.7	42.5	40.9	38.6	34.6	26.0	17.3	0.8	0.8	1.6	1.6
55°	8.7	9.4	10.2	11.0	12.6	11.0	7.1	0.0	0.8	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	2.4	2.4	1.6	0.0	0.8	1.6	2.4
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	2.4	2.4
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.1
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	3.1	3.1
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.1	3.1
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.1	3.1
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.1	2.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	1.6



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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	1.6	2.4	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	1.6
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°	36.2	36.2	36.2
2.5°	25.2	22.8	22.0
5°	17.3	15.0	13.4
7.5°	11.8	9.4	8.7
10°	7.9	6.3	5.5
12.5°	5.5	3.1	3.1
15°	3.1	2.4	2.4
17.5°	1.6	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	1.6
45°	0.8	1.6	2.4
47.5°	1.6	2.4	3.1
50°	1.6	3.1	3.1
52.5°	2.4	3.1	3.9
55°	2.4	3.9	3.9
57.5°	3.1	3.9	4.7
60°	3.1	3.9	3.9
62.5°	3.1	4.7	4.7
65°	3.9	4.7	4.7
67.5°	3.9	4.7	4.7
70°	3.1	3.9	4.7
72.5°	3.1	3.9	3.9
75°	2.4	3.1	3.1
77.5°	2.4	2.4	3.1
80°	1.6	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	1.6	1.6	1.6
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)