

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: P1316402

Luminaire Tested: LDSQA3D09R259740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316402  
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: LDSQA3D09R259740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

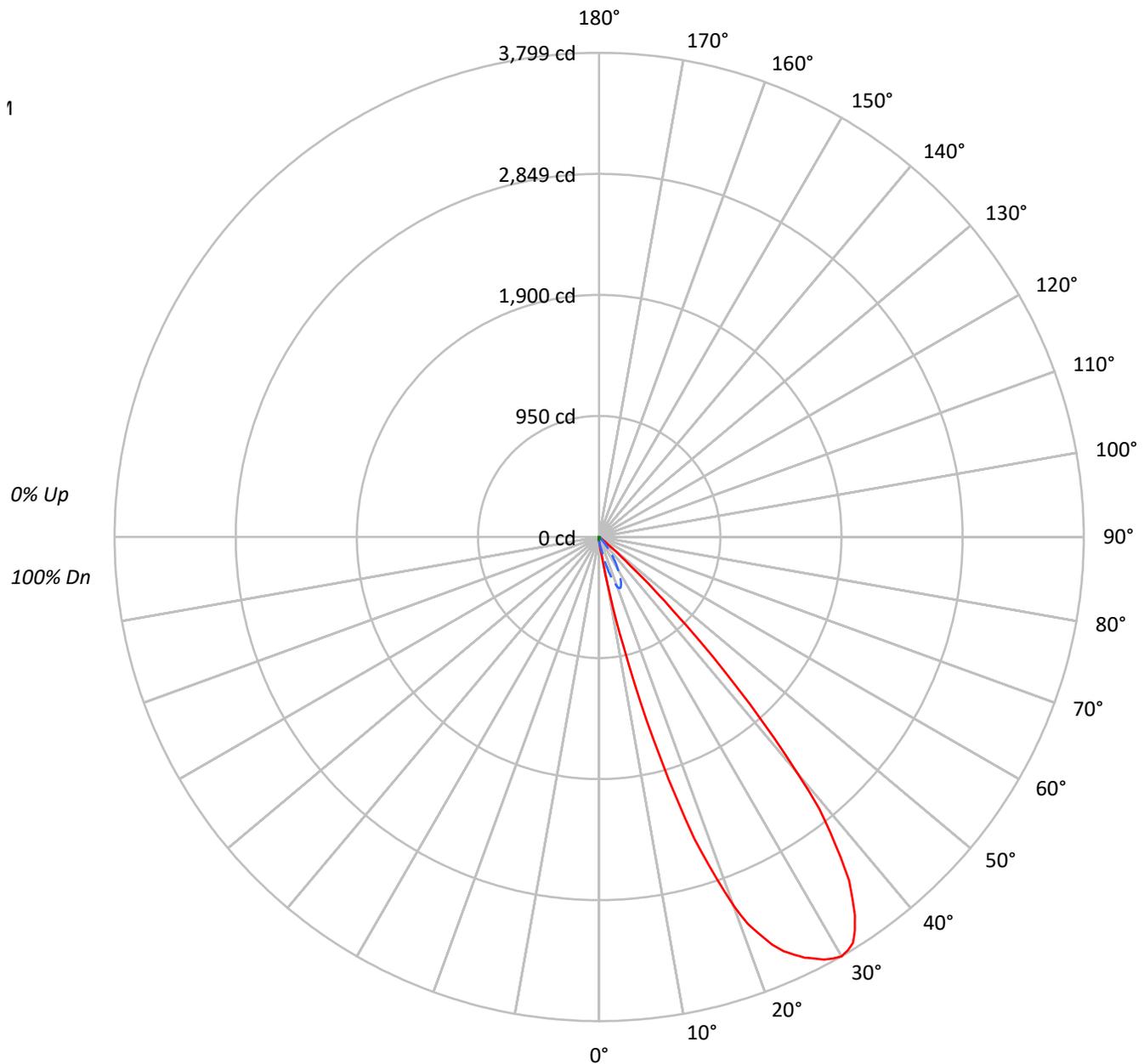
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 759.9 lumens  
Efficiency: N/A  
Efficacy: 68.5 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 (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



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



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CATALOG NUMBER: LDSQA3D09R259740DE010 3LSQCA30R 1MW

**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	104	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°	5614	5614	5614	5614	5614
5°	14090	10425	5273	2697	2092
10°	61628	17733	4337	1242	874
15°	293068	47784	3031	499	374
20°	564159	76554	1943	128	128
25°	687060	77208	1083	0	0
30°	755411	59083	418	0	0
35°	727973	37571	147	0	0
40°	543931	16255	0	0	157
45°	201375	4311	170	170	511
50°	23739	563	375	375	750
55°	2342	0	420	631	1051
60°	241	0	723	964	1206
65°	285	285	1141	1426	1752
70°	352	352	1410	1410	2165
75°	466	466	1397	1397	1863
80°	0	694	2083	1389	2083
85°	0	1383	4150	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 201375 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.6
10°-20°	88.6	11.7
20°-30°	278.1	36.6
30°-40°	292.8	38.5
40°-50°	86.0	11.3
50°-60°	4.6	0.6
60°-70°	2.2	0.3
70°-80°	1.9	0.3
80°-90°	1.0	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°	371.5	48.9
0°-40°	664.2	87.4
0°-60°	754.8	99.3
0°-90°	759.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	82	60	30	16	12	15
15°	1644	268	17	3	2	518
25°	3616	406	6	0	0	1658
35°	3462	179	1	0	0	2089
45°	827	18	1	1	2	751
55°	8	0	1	2	4	20
65°	1	1	3	4	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°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	50.3	51.1	48.9	50.3	48.9	48.2	47.5	44.0	38.3	32.6	26.9
5°	81.5	81.5	78.0	77.3	75.9	73.0	70.2	60.3	43.3	30.5	21.3
7.5°	127.6	126.9	125.5	122.0	114.9	107.8	100.7	78.7	47.5	28.4	16.3
10°	352.4	347.5	341.1	302.8	259.5	221.2	187.9	101.4	51.1	24.8	12.1
12.5°	875.7	847.4	780.0	703.4	605.6	502.7	402.1	165.2	52.5	20.6	8.5
15°	1643.7	1584.8	1479.9	1326.7	1126.7	902.0	710.5	268.0	51.1	17.0	6.4
17.5°	2481.8	2425.1	2279.7	2047.1	1752.9	1407.5	1068.6	355.3	47.5	14.2	4.3
20°	3078.2	3017.9	2881.7	2635.0	2316.6	1856.4	1406.8	417.7	44.7	10.6	2.1
21°	3252.6	3192.3	3048.4	2810.1	2475.4	2013.8	1515.3	428.3	42.5	9.2	1.4
22°	3363.2	3327.8	3173.2	2942.0	2600.9	2140.0	1608.2	433.3	41.1	8.5	1.4
23°	3474.5	3421.4	3276.7	3032.8	2696.7	2233.6	1677.0	429.7	39.7	7.1	0.7
24°	3556.8	3512.1	3344.1	3103.0	2763.3	2291.1	1717.4	420.5	37.6	6.4	0.7
25°	3615.6	3574.5	3399.4	3150.5	2808.0	2322.3	1730.2	406.3	35.5	5.7	0.7
26°	3671.7	3627.0	3445.5	3178.1	2831.4	2332.2	1718.1	390.7	33.3	5.0	0.0
27°	3712.1	3666.7	3477.4	3194.4	2832.8	2320.1	1685.5	369.4	31.2	4.3	0.0
28°	3755.3	3702.9	3499.4	3203.7	2824.3	2291.8	1638.7	346.7	29.8	3.5	0.0
29°	3781.6	3731.9	3522.0	3213.6	2806.6	2244.3	1570.6	319.8	26.2	2.1	0.0
30°	3798.6	3739.7	3519.9	3203.0	2783.2	2193.2	1489.1	297.1	22.7	2.1	0.0
31°	3784.4	3722.7	3497.2	3173.2	2745.6	2126.6	1405.4	268.7	18.4	1.4	0.0
32°	3753.9	3680.9	3457.5	3121.4	2678.2	2040.8	1318.9	245.3	13.5	1.4	0.0
33°	3679.5	3617.8	3385.9	3051.9	2590.3	1924.5	1206.2	222.7	9.2	0.7	0.0
34°	3585.9	3524.2	3288.0	2959.0	2472.6	1774.1	1069.3	199.3	7.8	0.7	0.0
35°	3462.5	3401.5	3177.4	2829.3	2316.6	1593.3	928.2	178.7	6.4	0.7	0.0
36°	3332.7	3251.9	3037.7	2691.0	2107.4	1387.7	777.2	155.3	5.0	0.7	0.0
37°	3142.0	3087.4	2849.8	2480.4	1881.2	1190.6	667.3	134.0	3.5	0.7	0.0
38°	2944.1	2893.8	2661.9	2268.4	1628.8	995.6	558.8	113.5	2.8	0.0	0.0
39°	2739.9	2656.2	2427.2	1996.8	1364.3	833.9	470.1	95.0	1.4	0.0	0.0
40°	2419.4	2355.6	2111.0	1670.6	1128.9	675.8	400.6	72.3	1.4	0.0	0.0
42.5°	1604.0	1544.4	1287.7	906.2	599.9	395.0	264.5	28.4	0.0	0.7	0.0
45°	826.8	789.2	641.0	474.4	340.4	242.5	170.2	17.7	0.0	0.7	0.7
47.5°	328.3	321.9	290.7	251.0	193.6	143.9	92.9	7.8	0.0	0.7	0.7
50°	88.6	89.3	83.7	77.3	70.2	65.9	39.0	2.1	0.0	1.4	0.7
52.5°	37.6	38.3	36.9	34.7	31.2	23.4	15.6	0.7	0.7	1.4	1.4
55°	7.8	8.5	9.2	9.9	11.3	9.9	6.4	0.0	0.7	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	2.1	2.1	1.4	0.0	0.7	1.4	2.1
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	2.1	2.1
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	2.8
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.8	2.8
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.8
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.8
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.1	1.4



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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	1.4	2.1	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	1.4
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°	32.6	32.6	32.6
2.5°	22.7	20.6	19.9
5°	15.6	13.5	12.1
7.5°	10.6	8.5	7.8
10°	7.1	5.7	5.0
12.5°	5.0	2.8	2.8
15°	2.8	2.1	2.1
17.5°	1.4	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	1.4
45°	0.7	1.4	2.1
47.5°	1.4	2.1	2.8
50°	1.4	2.8	2.8
52.5°	2.1	2.8	3.5
55°	2.1	3.5	3.5
57.5°	2.8	3.5	4.3
60°	2.8	3.5	3.5
62.5°	2.8	4.3	4.3
65°	3.5	4.3	4.3
67.5°	3.5	4.3	4.3
70°	2.8	3.5	4.3
72.5°	2.8	3.5	3.5
75°	2.1	2.8	2.8
77.5°	2.1	2.1	2.8
80°	1.4	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	1.4	1.4	1.4
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)