

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: P1309223

Luminaire Tested: LDSQA3D13R259030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309223
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: LDSQA3D13R259030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

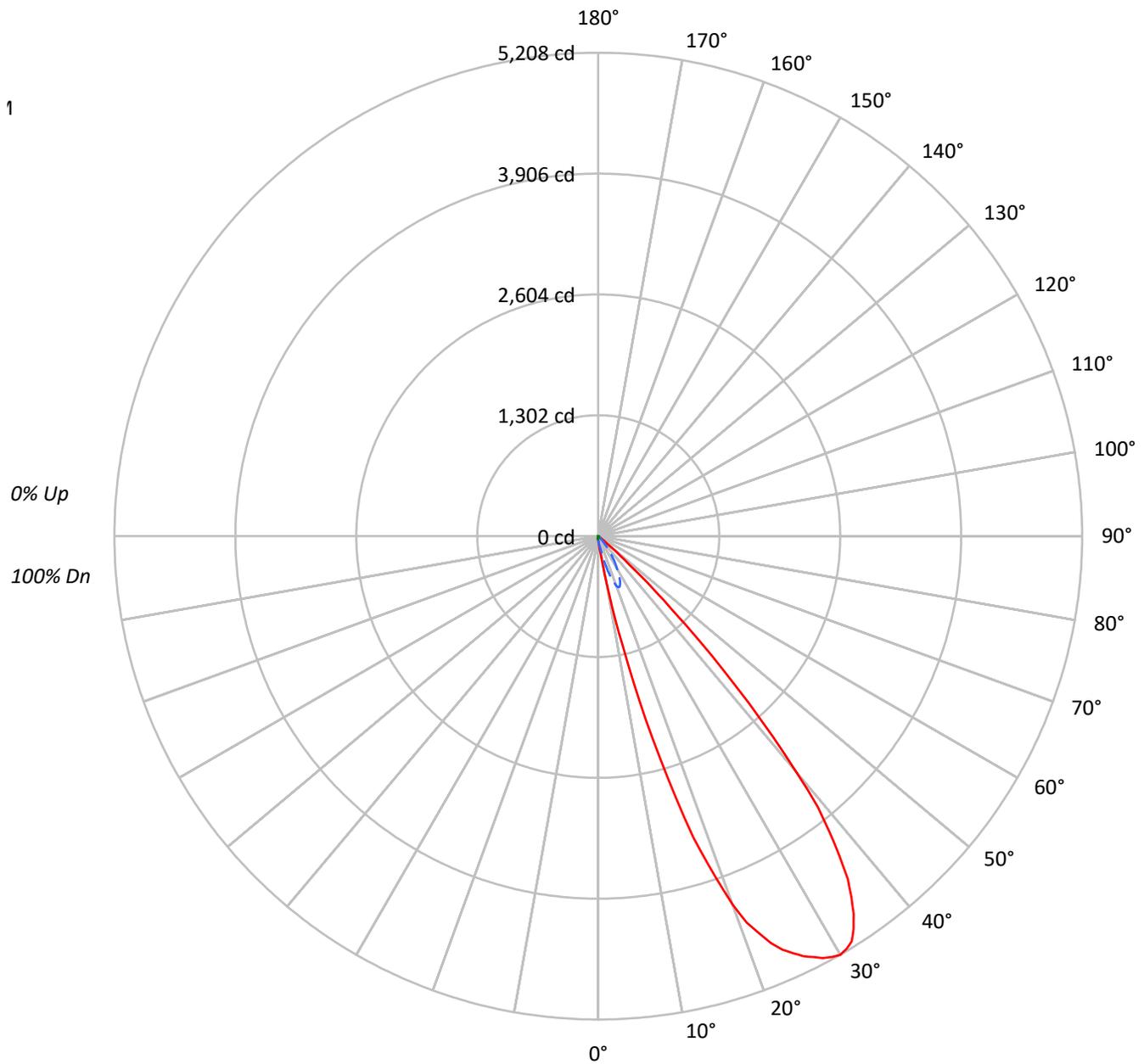
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1042.0 lumens
Efficiency: N/A
Efficacy: 71.4 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): 14.6
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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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	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°	7698	7698	7698	7698	7698
5°	19328	14280	7226	3700	2853
10°	84502	24308	5946	1696	1189
15°	401812	65525	4154	695	517
20°	773478	104944	2676	183	183
25°	942000	105864	1482	0	0
30°	1035712	81018	577	0	0
35°	998075	51510	210	0	0
40°	745753	22302	0	0	225
45°	276099	5918	244	244	706
50°	32554	777	509	509	1045
55°	3213	0	570	871	1471
60°	344	0	999	1343	1688
65°	408	408	1589	1997	2364
70°	504	504	1964	1964	2921
75°	665	665	1930	1930	2595
80°	0	992	2876	1884	2876
85°	0	1976	5730	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 276099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.6
10°-20°	121.5	11.7
20°-30°	381.3	36.6
30°-40°	401.4	38.5
40°-50°	117.9	11.3
50°-60°	6.3	0.6
60°-70°	3.1	0.3
70°-80°	2.6	0.3
80°-90°	1.4	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°	509.3	48.9
0°-40°	910.7	87.4
0°-60°	1034.9	99.3
0°-90°	1042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	112	83	42	21	16	20
15°	2254	368	23	4	3	710
25°	4957	557	8	0	0	2274
35°	4747	245	1	0	0	2865
45°	1134	24	1	1	3	1030
55°	11	0	2	3	5	27
65°	1	1	4	5	6	1
75°	1	1	3	3	4	1
85°	0	1	3	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°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	69.0	70.0	67.1	69.0	67.1	66.1	65.1	60.3	52.5	44.7	36.9
5°	111.8	111.8	106.9	106.0	104.0	100.1	96.2	82.6	59.3	41.8	29.2
7.5°	175.0	174.0	172.1	167.2	157.5	147.8	138.1	107.9	65.1	38.9	22.4
10°	483.2	476.4	467.6	415.1	355.8	303.3	257.6	139.0	70.0	34.0	16.5
12.5°	1200.7	1161.8	1069.4	964.4	830.3	689.3	551.2	226.5	71.9	28.2	11.7
15°	2253.6	2172.9	2029.0	1819.0	1544.8	1236.6	974.1	367.5	70.0	23.3	8.7
17.5°	3402.7	3324.9	3125.6	2806.7	2403.3	1929.8	1465.1	487.1	65.1	19.4	5.8
20°	4220.3	4137.7	3951.0	3612.7	3176.2	2545.2	1928.8	572.6	61.2	14.6	2.9
21°	4459.5	4376.8	4179.5	3852.8	3393.9	2761.0	2077.6	587.2	58.3	12.6	1.9
22°	4611.1	4562.5	4350.6	4033.7	3566.0	2934.1	2204.9	594.0	56.4	11.7	1.9
23°	4763.8	4690.9	4492.5	4158.1	3697.3	3062.4	2299.3	589.2	54.4	9.7	1.0
24°	4876.6	4815.3	4584.9	4254.3	3788.7	3141.2	2354.7	576.5	51.5	8.7	1.0
25°	4957.2	4900.9	4660.7	4319.5	3849.9	3184.0	2372.2	557.1	48.6	7.8	1.0
26°	5034.0	4972.8	4723.9	4357.4	3882.0	3197.6	2355.6	535.7	45.7	6.8	0.0
27°	5089.5	5027.2	4767.7	4379.8	3883.9	3181.0	2310.9	506.5	42.8	5.8	0.0
28°	5148.8	5076.8	4797.8	4392.4	3872.3	3142.1	2246.8	475.4	40.8	4.9	0.0
29°	5184.7	5116.7	4828.9	4406.0	3848.0	3077.0	2153.4	438.5	36.0	2.9	0.0
30°	5208.1	5127.4	4826.0	4391.4	3815.9	3007.0	2041.6	407.4	31.1	2.9	0.0
31°	5188.6	5104.0	4794.9	4350.6	3764.4	2915.6	1926.9	368.5	25.3	1.9	0.0
32°	5146.8	5046.7	4740.4	4279.6	3672.0	2798.0	1808.3	336.4	18.5	1.9	0.0
33°	5044.7	4960.2	4642.3	4184.3	3551.4	2638.5	1653.7	305.3	12.6	1.0	0.0
34°	4916.4	4831.8	4508.1	4057.0	3390.1	2432.4	1466.1	273.2	10.7	1.0	0.0
35°	4747.2	4663.6	4356.4	3879.1	3176.2	2184.5	1272.6	245.0	8.7	1.0	0.0
36°	4569.3	4458.5	4164.9	3689.5	2889.4	1902.6	1065.5	212.9	6.8	1.0	0.0
37°	4307.8	4233.0	3907.3	3400.8	2579.2	1632.3	914.8	183.7	4.9	1.0	0.0
38°	4036.6	3967.5	3649.6	3110.1	2233.1	1365.0	766.1	155.6	3.9	0.0	0.0
39°	3756.6	3641.9	3327.8	2737.7	1870.5	1143.3	644.6	130.3	1.9	0.0	0.0
40°	3317.1	3229.6	2894.2	2290.5	1547.7	926.5	549.3	99.2	1.9	0.0	0.0
42.5°	2199.1	2117.4	1765.5	1242.5	822.5	541.5	362.6	38.9	0.0	1.0	0.0
45°	1133.6	1082.1	878.9	650.4	466.7	332.5	233.3	24.3	0.0	1.0	1.0
47.5°	450.1	441.4	398.6	344.2	265.4	197.4	127.4	10.7	0.0	1.0	1.0
50°	121.5	122.5	114.7	106.0	96.2	90.4	53.5	2.9	0.0	1.9	1.0
52.5°	51.5	52.5	50.6	47.6	42.8	32.1	21.4	1.0	1.0	1.9	1.9
55°	10.7	11.7	12.6	13.6	15.6	13.6	8.7	0.0	1.0	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	2.9	2.9	1.9	0.0	1.0	1.9	2.9
60°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.9	2.9	2.9
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	3.9
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	3.9	3.9
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	3.9	3.9
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	3.9	3.9
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	3.9	2.9
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9	2.9	2.9
77.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9	2.9	2.9
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9	2.9	1.9



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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	1.0	1.0	1.9	2.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.9
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°	44.7	44.7	44.7
2.5°	31.1	28.2	27.2
5°	21.4	18.5	16.5
7.5°	14.6	11.7	10.7
10°	9.7	7.8	6.8
12.5°	6.8	3.9	3.9
15°	3.9	2.9	2.9
17.5°	1.9	1.0	1.0
20°	1.0	1.0	1.0
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	1.0
39°	0.0	1.0	1.0
40°	0.0	1.0	1.0
42.5°	0.0	1.0	1.9
45°	1.0	1.9	2.9
47.5°	1.9	2.9	3.9
50°	1.9	3.9	3.9
52.5°	2.9	3.9	4.9
55°	2.9	4.9	4.9
57.5°	3.9	4.9	5.8
60°	3.9	4.9	4.9
62.5°	3.9	5.8	5.8
65°	4.9	5.8	5.8
67.5°	4.9	5.8	5.8
70°	3.9	4.9	5.8
72.5°	3.9	4.9	4.9
75°	2.9	3.9	3.9
77.5°	2.9	2.9	3.9
80°	1.9	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.9	1.9	1.9
85°	1.0	1.0	1.0
87.5°	1.0	1.0	1.0
90°	0.0	0.0	0.0

(END OF REPORT)