

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: P1319939

Luminaire Tested: LDSQA3D09R259840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319939
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: LDSQA3D09R259840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

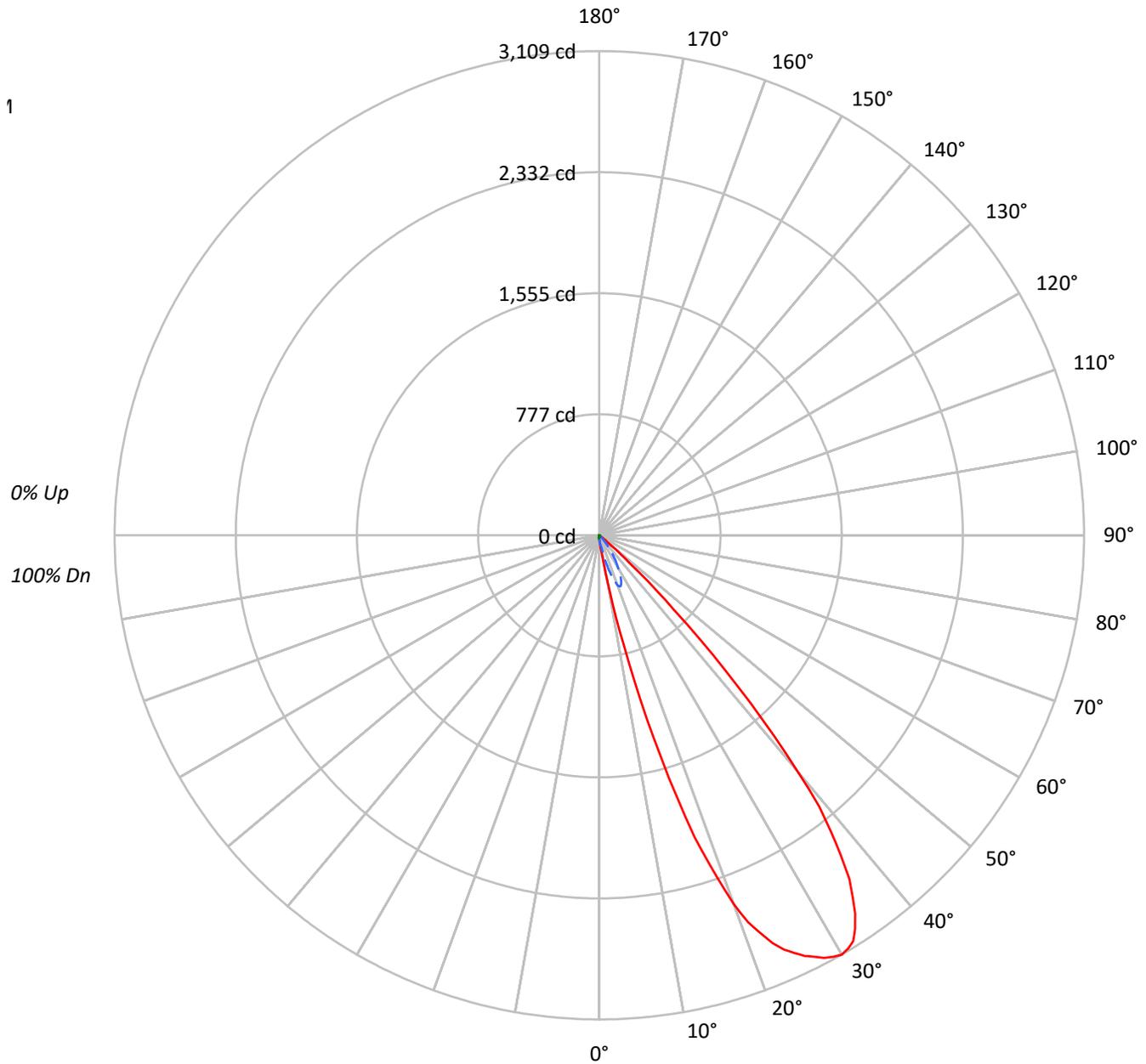
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 56.5 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
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4598	4598	4598	4598	4598
5°	11531	8523	4322	2213	1712
10°	50435	14515	3550	1014	717
15°	239846	39119	2478	410	303
20°	461708	62644	1594	110	110
25°	562308	63184	874	0	0
30°	618233	48364	338	0	0
35°	595792	30738	126	0	0
40°	445167	13309	0	0	135
45°	164817	3532	146	146	414
50°	19425	455	322	322	616
55°	1922	0	360	510	871
60°	207	0	586	792	999
65°	245	245	937	1182	1426
70°	302	302	1158	1158	1762
75°	399	399	1131	1131	1530
80°	0	595	1686	1190	1686
85°	0	1186	3359	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 164817 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.6
10°-20°	72.5	11.7
20°-30°	227.6	36.6
30°-40°	239.6	38.5
40°-50°	70.4	11.3
50°-60°	3.8	0.6
60°-70°	1.8	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	304.0	48.9
0°-40°	543.6	87.4
0°-60°	617.8	99.3
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	67	49	25	13	10	12
15°	1345	219	14	2	2	424
25°	2959	332	5	0	0	1357
35°	2834	146	1	0	0	1710
45°	677	14	1	1	2	615
55°	6	0	1	2	3	16
65°	1	1	2	3	4	1
75°	1	1	2	2	2	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°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
2.5°	41.2	41.8	40.0	41.2	40.0	39.5	38.9	36.0	31.3	26.7	22.1
5°	66.7	66.7	63.8	63.3	62.1	59.8	57.5	49.3	35.4	25.0	17.4
7.5°	104.5	103.9	102.7	99.8	94.0	88.2	82.4	64.4	38.9	23.2	13.3
10°	288.4	284.4	279.1	247.8	212.4	181.1	153.8	83.0	41.8	20.3	9.9
12.5°	716.7	693.5	638.4	575.7	495.6	411.5	329.0	135.2	42.9	16.8	7.0
15°	1345.2	1297.0	1211.2	1085.8	922.2	738.2	581.5	219.4	41.8	13.9	5.2
17.5°	2031.2	1984.7	1865.8	1675.4	1434.6	1152.0	874.6	290.7	38.9	11.6	3.5
20°	2519.2	2469.9	2358.5	2156.5	1896.0	1519.3	1151.4	341.8	36.6	8.7	1.7
21°	2662.0	2612.7	2494.9	2299.9	2025.9	1648.1	1240.2	350.5	34.8	7.5	1.2
22°	2752.5	2723.5	2597.0	2407.8	2128.7	1751.4	1316.2	354.6	33.7	7.0	1.2
23°	2843.6	2800.1	2681.7	2482.1	2207.0	1828.1	1372.5	351.7	32.5	5.8	0.6
24°	2911.0	2874.4	2736.9	2539.5	2261.6	1875.1	1405.6	344.1	30.8	5.2	0.6
25°	2959.1	2925.5	2782.1	2578.4	2298.1	1900.6	1416.0	332.5	29.0	4.6	0.6
26°	3005.0	2968.4	2819.8	2601.1	2317.3	1908.7	1406.1	319.8	27.3	4.1	0.0
27°	3038.0	3000.9	2846.0	2614.4	2318.4	1898.9	1379.5	302.4	25.5	3.5	0.0
28°	3073.4	3030.5	2863.9	2621.9	2311.5	1875.6	1341.2	283.8	24.4	2.9	0.0
29°	3094.9	3054.3	2882.5	2630.1	2297.0	1836.8	1285.4	261.7	21.5	1.7	0.0
30°	3108.8	3060.7	2880.8	2621.4	2277.8	1795.0	1218.7	243.2	18.6	1.7	0.0
31°	3097.2	3046.8	2862.2	2597.0	2247.1	1740.4	1150.2	219.9	15.1	1.2	0.0
32°	3072.3	3012.5	2829.7	2554.6	2191.9	1670.2	1079.4	200.8	11.0	1.2	0.0
33°	3011.4	2960.9	2771.1	2497.8	2120.0	1575.0	987.1	182.2	7.5	0.6	0.0
34°	2934.7	2884.3	2691.0	2421.7	2023.6	1452.0	875.1	163.1	6.4	0.6	0.0
35°	2833.8	2783.9	2600.5	2315.5	1896.0	1304.0	759.7	146.2	5.2	0.6	0.0
36°	2727.6	2661.4	2486.2	2202.4	1724.8	1135.7	636.0	127.1	4.1	0.6	0.0
37°	2571.5	2526.8	2332.4	2030.0	1539.6	974.4	546.1	109.7	2.9	0.6	0.0
38°	2409.5	2368.3	2178.6	1856.5	1333.0	814.8	457.3	92.9	2.3	0.0	0.0
39°	2242.4	2173.9	1986.5	1634.2	1116.6	682.5	384.8	77.8	1.2	0.0	0.0
40°	1980.1	1927.9	1727.7	1367.3	923.9	553.1	327.9	59.2	1.2	0.0	0.0
42.5°	1312.7	1264.0	1053.9	741.7	491.0	323.2	216.5	23.2	0.0	0.6	0.0
45°	676.7	645.9	524.6	388.2	278.6	198.5	139.3	14.5	0.0	0.6	0.6
47.5°	268.7	263.5	237.9	205.4	158.4	117.8	76.0	6.4	0.0	0.6	0.6
50°	72.5	73.1	68.5	63.3	57.5	54.0	31.9	1.7	0.0	1.2	0.6
52.5°	30.8	31.3	30.2	28.4	25.5	19.2	12.8	0.6	0.6	1.2	1.2
55°	6.4	7.0	7.5	8.1	9.3	8.1	5.2	0.0	0.6	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.2	0.0	0.6	1.2	1.7
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.7	1.7
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7	2.3
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.3	2.3
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.7	1.2



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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	0.6	0.6	1.2	1.7	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	1.2
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°	26.7	26.7	26.7
2.5°	18.6	16.8	16.2
5°	12.8	11.0	9.9
7.5°	8.7	7.0	6.4
10°	5.8	4.6	4.1
12.5°	4.1	2.3	2.3
15°	2.3	1.7	1.7
17.5°	1.2	0.6	0.6
20°	0.6	0.6	0.6
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	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.2
45°	0.6	1.2	1.7
47.5°	1.2	1.7	2.3
50°	1.2	2.3	2.3
52.5°	1.7	2.3	2.9
55°	1.7	2.9	2.9
57.5°	2.3	2.9	3.5
60°	2.3	2.9	2.9
62.5°	2.3	3.5	3.5
65°	2.9	3.5	3.5
67.5°	2.9	3.5	3.5
70°	2.3	2.9	3.5
72.5°	2.3	2.9	2.9
75°	1.7	2.3	2.3
77.5°	1.7	1.7	2.3
80°	1.2	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.2	1.2	1.2
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)