

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: P1310566

Luminaire Tested: LDSQA3D17R509035DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509035DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

Summary

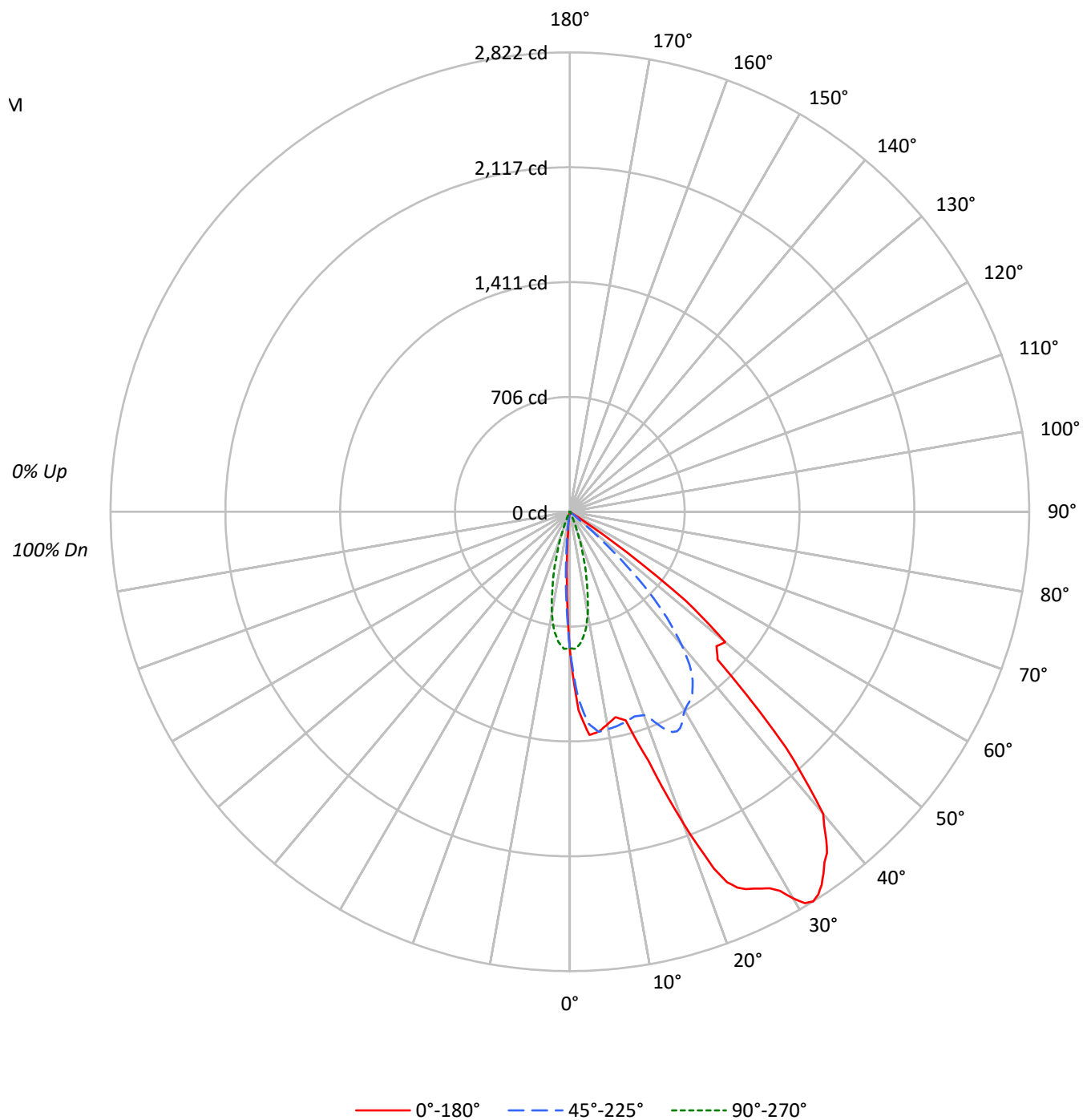
Lumens per Lamp: N/A
Luminaire Lumens: 1351.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	144460	144460	144460	144460	144460
5°	238022	225886	138823	41232	20625
10°	231978	237067	111241	2081	2781
15°	236512	237921	66630	2122	713
20°	372801	243591	27436	0	0
25°	485993	283786	6556	0	0
30°	545488	280659	259	0	0
35°	570857	276367	0	0	0
40°	544606	240131	0	0	0
45°	312755	158460	0	0	0
50°	333735	18112	0	0	0
55°	95093	0	0	0	0
60°	0	0	448	0	0
65°	0	530	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	2678	1289	0
85°	0	2569	5335	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 345343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	5.2
10°-20°	177.5	13.1
20°-30°	340.9	25.2
30°-40°	396.8	29.4
40°-50°	284.0	21.0
50°-60°	79.0	5.9
60°-70°	0.5	0.0
70°-80°	0.8	0.1
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°	588.9	43.6
0°-40°	985.7	73.0
0°-60°	1348.7	99.8
0°-90°	1351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	839	839	839	839	839	
5°	1377	1307	803	238	119	126
15°	1326	1334	374	12	4	428
25°	2558	1493	34	0	0	1163
35°	2715	1314	0	0	0	1680
45°	1284	651	0	0	0	1208
55°	317	0	0	0	0	399
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	3	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8	838.8
2.5°	1219.1	1225.8	1227.1	1211.2	1213.8	1191.3	1192.6	1176.7	1138.3	1004.5	842.8
5°	1376.8	1372.8	1376.8	1371.5	1376.8	1363.6	1355.6	1349.0	1306.6	1117.1	803.0
7.5°	1362.2	1356.9	1364.9	1367.5	1376.8	1372.8	1374.2	1378.1	1363.6	1178.0	735.5
10°	1326.5	1325.1	1329.1	1329.1	1339.7	1341.0	1346.3	1354.3	1355.6	1199.2	636.1
12.5°	1292.0	1288.0	1288.0	1286.7	1292.0	1290.7	1303.9	1322.5	1347.7	1186.0	499.6
15°	1326.5	1322.5	1317.2	1302.6	1292.0	1280.1	1281.4	1293.3	1334.4	1151.5	373.7
17.5°	1604.7	1583.5	1557.0	1510.7	1461.6	1376.8	1326.5	1294.7	1318.5	1098.5	249.1
20°	2034.1	2024.8	1982.4	1906.9	1827.4	1702.8	1547.8	1423.2	1329.1	1032.3	149.7
21°	2197.1	2191.8	2146.7	2076.5	1986.4	1835.3	1676.3	1526.6	1350.3	1004.5	117.9
22°	2364.0	2344.2	2308.4	2230.2	2136.1	1985.1	1807.5	1641.8	1392.7	968.7	90.1
23°	2471.4	2459.5	2421.0	2358.7	2268.6	2121.5	1940.0	1759.8	1433.8	928.9	67.6
24°	2527.0	2523.1	2492.6	2448.9	2372.0	2222.3	2050.0	1864.5	1468.3	882.5	49.0
25°	2557.5	2544.3	2525.7	2493.9	2435.6	2305.7	2152.0	1955.9	1493.4	836.2	34.5
26°	2576.1	2568.1	2539.0	2511.1	2455.5	2349.5	2218.3	2011.6	1500.1	779.2	23.9
27°	2597.3	2578.7	2550.9	2517.8	2455.5	2362.7	2243.5	2035.4	1492.1	720.9	15.9
28°	2619.8	2606.5	2568.1	2525.7	2451.5	2362.7	2234.2	2003.6	1468.3	665.2	9.3
29°	2663.5	2646.3	2598.6	2536.3	2452.8	2360.1	2198.4	1937.4	1436.4	602.9	5.3
30°	2743.0	2707.3	2648.9	2561.5	2462.1	2354.8	2138.8	1838.0	1411.3	532.7	1.3
31°	2805.3	2785.4	2717.9	2607.9	2488.6	2340.2	2068.5	1739.9	1394.0	471.7	0.0
32°	2822.5	2808.0	2758.9	2655.6	2533.7	2328.3	1989.0	1644.5	1380.8	404.2	0.0
33°	2802.7	2793.4	2741.7	2647.6	2545.6	2312.4	1897.6	1550.4	1366.2	343.2	0.0
34°	2765.6	2753.6	2708.6	2613.2	2515.1	2243.5	1810.1	1478.9	1345.0	286.2	0.0
35°	2715.2	2705.9	2659.5	2565.5	2459.5	2136.1	1722.7	1431.1	1314.5	229.2	0.0
36°	2660.9	2658.2	2598.6	2505.8	2387.9	2032.8	1616.7	1395.4	1284.1	181.5	0.0
37°	2625.1	2611.8	2546.9	2455.5	2303.1	1912.2	1531.9	1383.4	1241.7	140.5	0.0
38°	2560.2	2562.8	2488.6	2405.1	2217.0	1807.5	1463.0	1374.2	1193.9	102.0	0.0
39°	2483.3	2484.6	2407.8	2336.2	2114.9	1697.5	1406.0	1364.9	1134.3	64.9	0.0
40°	2422.4	2421.0	2333.6	2256.7	2004.9	1594.1	1375.5	1351.6	1068.1	37.1	0.0
42.5°	1969.2	1977.1	1987.7	2019.5	1746.5	1412.6	1346.3	1277.4	879.9	0.0	0.0
45°	1284.1	1314.5	1322.5	1417.9	1416.6	1338.4	1277.4	1144.9	650.6	0.0	0.0
47.5°	1221.8	1231.1	1248.3	1285.4	1305.3	1266.8	1142.3	956.7	355.1	0.0	0.0
50°	1245.6	1244.3	1248.3	1248.3	1212.5	1113.1	936.9	706.3	67.6	0.0	0.0
52.5°	894.5	927.6	963.4	979.3	932.9	828.2	683.8	414.8	0.0	0.0	0.0
55°	316.7	306.1	298.2	326.0	319.4	359.1	296.8	96.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	5.3	11.9	15.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.7
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):

	112.5°	135°	157.5°	180°
0°	838.8	838.8	838.8	838.8
2.5°	671.8	515.5	417.4	424.0
5°	471.7	238.5	147.1	119.3
7.5°	282.3	72.9	14.6	11.9
10°	132.5	11.9	13.3	15.9
12.5°	39.8	10.6	14.6	13.3
15°	10.6	11.9	6.6	4.0
17.5°	4.0	5.3	0.0	0.0
20°	2.7	0.0	0.0	0.0
21°	2.7	0.0	0.0	0.0
22°	1.3	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.3	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0
70°	1.3	0.0	0.0	0.0
72.5°	1.3	0.0	0.0	0.0
75°	1.3	0.0	0.0	0.0
77.5°	1.3	0.0	0.0	0.0
80°	1.3	1.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.3	1.3	0.0	0.0
85°	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)