

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: P1315649

Luminaire Tested: LDSQA3D13R409735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

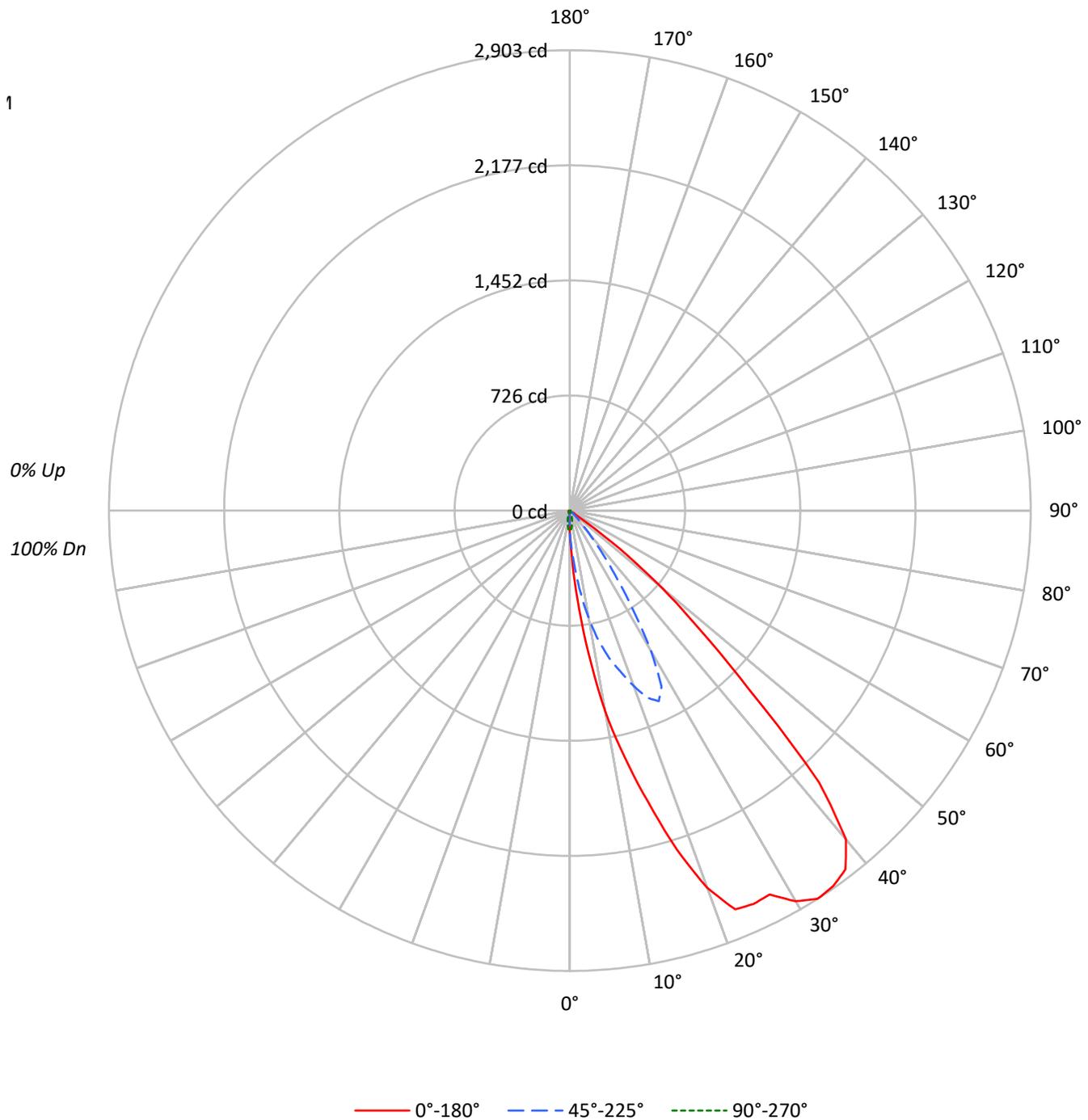
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1070.9 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
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 (A_{in}): 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			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	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67			67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40			40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21821	21821	21821	21821	21821
5°	98438	62756	19553	7503	5480
10°	225734	121261	13781	2693	2064
15°	338766	172040	8558	1444	1284
20°	463852	215660	4985	825	990
25°	519989	251994	2584	684	855
30°	565594	203420	1074	537	895
35°	607860	104092	378	757	1135
40°	608073	41524	202	809	1416
45°	388234	13883	438	1315	1973
50°	201538	1688	723	1688	2438
55°	17385	270	811	2162	3003
60°	620	310	930	2480	3444
65°	734	367	1467	2567	3708
70°	453	453	1813	2719	3626
75°	599	599	1797	2994	4192
80°	893	893	2678	2678	3570
85°	0	1778	5335	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 388234 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	2.3
10°-20°	145.0	13.5
20°-30°	317.5	29.6
30°-40°	361.7	33.8
40°-50°	190.8	17.8
50°-60°	22.5	2.1
60°-70°	4.0	0.4
70°-80°	3.3	0.3
80°-90°	1.5	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°	487.1	45.5
0°-40°	848.8	79.3
0°-60°	1062.1	99.2
0°-90°	1070.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	127	127	127	127	127	
5°	569	363	113	43	32	77
15°	1900	965	48	8	7	560
25°	2736	1326	14	4	4	1261
35°	2891	495	2	4	5	1792
45°	1594	57	2	5	8	1285
55°	58	1	3	7	10	180
65°	2	1	4	6	9	2
75°	1	1	3	4	6	1
85°	0	1	3	2	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	282.4	282.4	281.5	273.4	272.5	271.6	257.1	253.5	236.3	224.5	171.1
5°	569.4	556.7	555.8	541.3	516.9	484.3	463.5	430.0	397.4	363.0	210.9
7.5°	907.0	917.9	888.0	872.6	818.3	779.4	719.6	667.1	593.8	525.0	243.5
10°	1290.8	1271.8	1241.9	1212.0	1153.2	1083.5	994.8	901.6	795.7	693.4	261.6
12.5°	1590.4	1566.0	1547.9	1507.1	1449.2	1359.6	1253.7	1128.8	988.5	840.9	260.7
15°	1900.0	1875.6	1834.8	1798.6	1712.6	1612.1	1497.2	1332.4	1160.5	964.9	241.7
17.5°	2240.3	2208.7	2163.4	2108.2	2024.9	1913.6	1767.8	1566.9	1323.4	1066.3	207.3
20°	2530.9	2511.9	2466.6	2401.5	2320.0	2211.4	2043.0	1820.3	1523.4	1176.7	164.7
22.5°	2721.0	2703.8	2673.0	2616.0	2554.4	2438.6	2284.7	2040.3	1690.9	1277.2	124.9
25°	2736.4	2729.1	2721.0	2702.0	2664.9	2582.5	2432.2	2168.8	1795.0	1326.1	92.3
27.5°	2728.2	2725.5	2723.7	2713.8	2689.3	2607.9	2454.0	2187.8	1781.4	1250.1	67.9
30°	2844.1	2836.0	2831.4	2798.8	2734.6	2608.8	2407.8	2085.6	1583.2	1022.9	48.9
32.5°	2902.9	2901.1	2896.6	2864.9	2774.4	2610.6	2330.0	1838.4	1255.5	738.6	33.5
35°	2891.2	2882.1	2865.8	2807.0	2681.2	2475.7	2078.3	1468.2	906.1	495.1	21.7
37.5°	2851.3	2830.5	2798.8	2692.9	2525.5	2244.9	1685.5	1080.8	616.4	320.4	12.7
40°	2704.7	2676.6	2626.9	2497.4	2277.5	1850.2	1246.4	730.5	404.6	184.7	3.6
42.5°	2325.4	2289.2	2253.0	2108.2	1856.5	1379.5	820.1	451.7	230.8	101.4	0.9
45°	1594.0	1548.8	1499.0	1394.0	1192.1	835.5	487.9	254.4	119.5	57.0	0.9
47.5°	1107.0	1086.2	999.3	865.4	663.5	442.6	252.5	124.9	63.4	26.3	0.9
50°	752.2	728.7	627.3	497.9	353.0	211.8	115.9	62.5	28.1	6.3	0.9
52.5°	394.7	365.7	301.4	229.9	143.0	88.7	50.7	27.2	8.1	0.9	0.9
55°	57.9	53.4	43.4	35.3	31.7	24.4	14.5	6.3	0.9	0.9	1.8
57.5°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	0.9	0.9	0.9	1.8
60°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
62.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
65°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
67.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
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):

	90°	112.5°	135°	157.5°	180°
0°	126.7	126.7	126.7	126.7	126.7
2.5°	124.9	92.3	71.5	61.6	60.6
5°	113.1	66.1	43.4	33.5	31.7
7.5°	96.0	46.2	25.3	18.1	17.2
10°	78.8	31.7	15.4	12.7	11.8
12.5°	62.5	20.8	10.9	10.0	9.1
15°	48.0	13.6	8.1	7.2	7.2
17.5°	36.2	9.1	6.3	6.3	6.3
20°	27.2	6.3	4.5	5.4	5.4
22.5°	19.0	4.5	3.6	4.5	4.5
25°	13.6	3.6	3.6	4.5	4.5
27.5°	9.1	2.7	2.7	3.6	4.5
30°	5.4	1.8	2.7	3.6	4.5
32.5°	2.7	1.8	2.7	4.5	4.5
35°	1.8	2.7	3.6	4.5	5.4
37.5°	0.9	2.7	3.6	5.4	5.4
40°	0.9	2.7	3.6	5.4	6.3
42.5°	1.8	3.6	4.5	6.3	7.2
45°	1.8	3.6	5.4	7.2	8.1
47.5°	1.8	3.6	6.3	8.1	8.1
50°	2.7	4.5	6.3	8.1	9.1
52.5°	2.7	4.5	6.3	9.1	10.0
55°	2.7	4.5	7.2	9.1	10.0
57.5°	2.7	5.4	7.2	9.1	10.0
60°	2.7	4.5	7.2	9.1	10.0
62.5°	3.6	4.5	6.3	9.1	9.1
65°	3.6	4.5	6.3	9.1	9.1
67.5°	3.6	4.5	6.3	8.1	8.1
70°	3.6	4.5	5.4	7.2	7.2
72.5°	3.6	4.5	5.4	6.3	7.2
75°	2.7	3.6	4.5	5.4	6.3
77.5°	2.7	3.6	3.6	5.4	5.4
80°	2.7	2.7	2.7	3.6	3.6
82.5°	2.7	2.7	1.8	2.7	2.7
85°	2.7	1.8	1.8	1.8	1.8
87.5°	1.8	1.8	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)