

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: P1323804

Luminaire Tested: LDSQA3D09R509030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

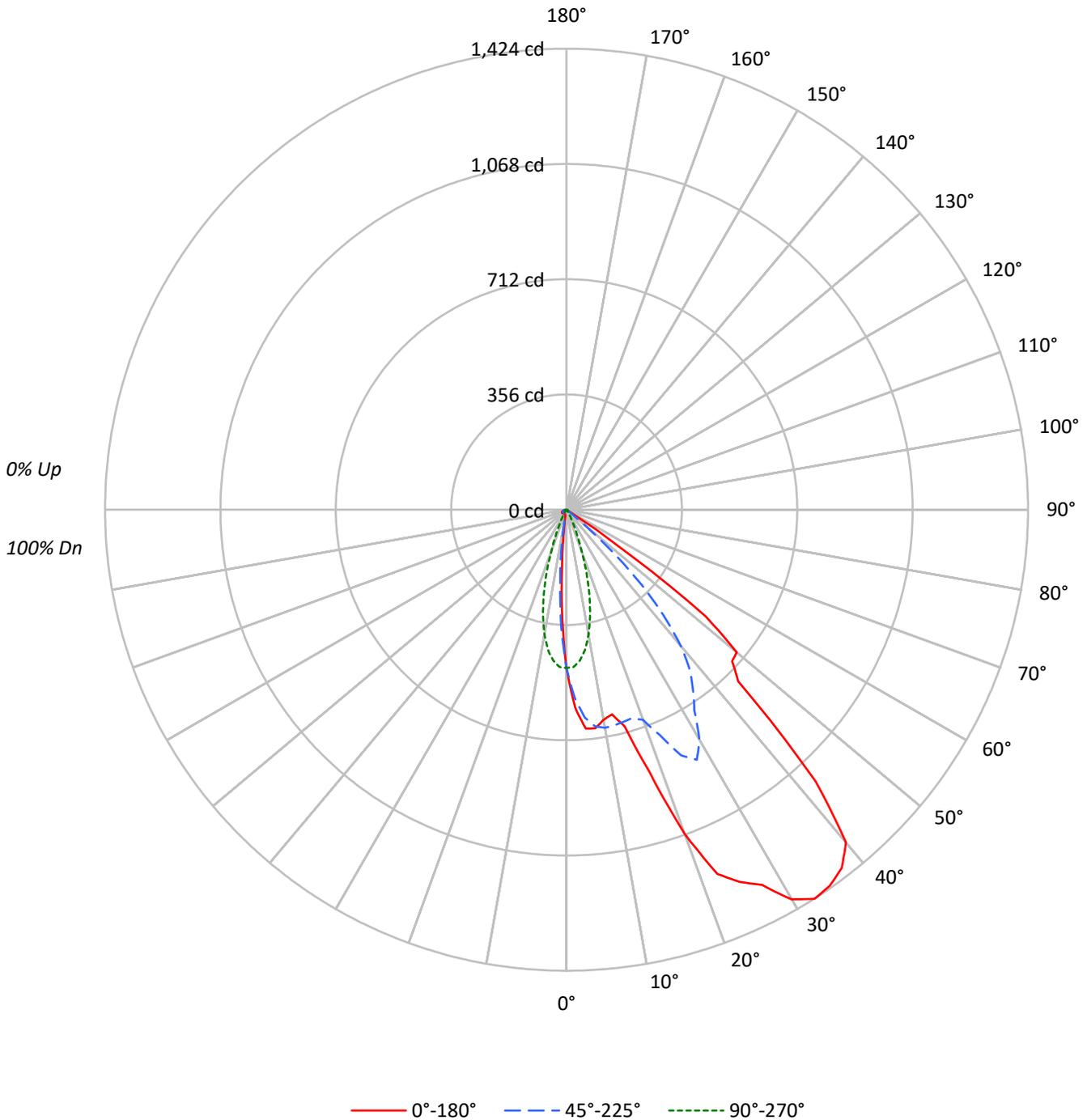
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 760.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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			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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	54	54	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	84148	84148	84148	84148	84148
5°	117334	111318	80891	38881	25223
10°	115176	119635	68360	8202	3515
15°	123525	120886	48337	2871	2746
20°	195042	126607	25512	2456	2584
25°	241030	158995	10166	2280	2546
30°	276324	163050	4117	2267	2665
35°	297917	143114	1829	2397	2964
40°	301552	123247	1349	2698	3305
45°	182256	79888	1315	2923	3751
50°	183640	13798	1447	3403	4314
55°	54257	811	1621	3813	4834
60°	930	930	1619	4133	5304
65°	815	815	1630	4360	5746
70°	1007	1007	1662	4733	6395
75°	865	865	1797	4924	6654
80°	694	1289	1984	4661	7339
85°	1383	2569	2569	5335	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 208170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	5.2
10°-20°	98.1	12.9
20°-30°	183.8	24.2
30°-40°	219.7	28.9
40°-50°	157.5	20.7
50°-60°	48.5	6.4
60°-70°	6.3	0.8
70°-80°	4.6	0.6
80°-90°	1.9	0.2
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°	321.4	42.3
0°-40°	541.2	71.2
0°-60°	747.2	98.3
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	489	489	489	489	489	
5°	679	644	468	225	146	63
15°	693	678	271	16	15	222
25°	1268	837	54	12	13	584
35°	1417	681	9	11	14	879
45°	748	328	5	12	15	687
55°	181	3	5	13	16	233
65°	2	2	4	11	14	2
75°	1	1	3	7	10	1
85°	1	1	1	3	3	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2.5°	611.1	612.4	614.5	609.1	605.7	603.1	598.4	597.0	585.7	581.0	576.3
5°	678.7	677.4	678.7	676.7	675.4	671.3	667.3	660.6	653.3	643.9	633.2
7.5°	680.7	679.4	682.1	682.1	684.7	684.7	684.7	685.4	681.4	674.7	665.3
10°	658.6	658.6	661.3	660.0	664.7	666.7	671.3	679.4	683.4	684.1	681.4
12.5°	647.2	647.2	647.9	645.2	646.6	648.6	653.9	663.3	672.7	682.1	687.4
15°	692.8	694.1	684.7	671.3	661.3	650.6	647.2	653.3	663.3	678.0	690.1
17.5°	847.4	849.4	839.3	807.2	776.4	732.3	692.8	673.4	662.6	674.7	690.8
20°	1064.2	1056.9	1039.5	1005.3	960.5	892.2	830.6	768.4	708.8	690.8	696.1
22.5°	1217.5	1214.8	1200.8	1162.6	1123.8	1060.2	981.9	894.9	808.6	753.7	724.9
25°	1268.4	1266.4	1253.7	1230.9	1209.5	1161.3	1091.0	1003.3	913.0	836.7	764.4
27.5°	1306.5	1303.9	1283.8	1258.4	1236.3	1187.4	1123.1	1056.9	973.9	870.8	759.7
30°	1389.5	1382.2	1354.1	1308.6	1266.4	1198.8	1127.8	1045.5	933.1	819.9	711.5
32.5°	1424.3	1420.3	1396.2	1359.4	1313.2	1224.9	1117.1	979.2	831.3	733.6	654.6
35°	1417.0	1411.0	1386.2	1344.0	1287.8	1202.8	1058.9	869.5	749.0	680.7	591.7
37.5°	1394.9	1386.2	1356.7	1307.2	1238.9	1127.8	939.7	780.4	702.8	625.8	506.0
40°	1341.3	1327.3	1293.2	1241.6	1173.3	1027.4	831.3	726.9	654.6	548.2	410.3
42.5°	1136.5	1129.2	1145.9	1137.2	1077.0	904.9	754.3	678.0	578.3	443.1	297.2
45°	748.3	761.0	791.2	842.7	854.7	778.4	691.4	597.7	475.9	328.0	171.4
47.5°	692.8	690.1	697.4	707.5	709.5	677.4	598.4	494.0	353.4	187.4	47.5
50°	685.4	681.4	675.4	663.3	637.9	575.6	485.9	360.1	204.1	51.5	3.3
52.5°	541.5	537.5	537.5	520.1	487.3	427.0	335.3	198.1	56.9	3.3	2.7
55°	180.7	192.8	190.8	190.1	204.8	188.8	144.6	50.9	4.7	2.7	2.7
57.5°	3.3	3.3	3.3	6.0	9.4	13.4	8.0	4.0	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0
77.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2.5°	565.6	556.2	538.1	486.6	429.7	364.8	320.6	315.3
5°	616.5	602.4	573.0	467.9	338.0	224.9	167.3	145.9
7.5°	649.9	631.2	595.0	437.1	246.3	118.5	63.6	50.9
10°	670.0	652.6	606.4	390.9	156.6	46.9	21.4	20.1
12.5°	680.7	664.0	610.4	335.3	88.4	21.4	16.7	16.7
15°	688.1	670.0	604.4	271.1	44.2	16.1	15.4	15.4
17.5°	691.4	669.3	587.0	204.1	23.4	14.7	14.7	14.7
20°	693.4	662.0	554.9	139.2	16.1	13.4	14.1	14.1
22.5°	695.4	643.9	512.7	88.4	12.7	12.7	13.4	13.4
25°	691.4	612.4	453.1	53.5	11.4	12.0	12.7	13.4
27.5°	662.6	564.9	380.9	32.8	10.0	11.4	12.7	13.4
30°	613.1	495.3	297.2	20.7	9.4	11.4	12.7	13.4
32.5°	548.9	415.7	212.2	12.7	9.4	11.4	12.7	13.4
35°	462.5	317.9	137.9	8.7	9.4	11.4	13.4	14.1
37.5°	365.5	222.2	74.3	6.7	9.4	11.4	13.4	14.1
40°	263.0	133.2	26.8	6.0	8.7	12.0	14.1	14.7
42.5°	153.9	49.5	4.7	5.4	8.7	12.0	14.1	14.7
45°	44.2	5.4	2.7	5.4	8.7	12.0	14.7	15.4
47.5°	3.3	2.0	2.7	5.4	8.7	12.0	14.7	16.1
50°	2.0	2.0	2.0	5.4	8.7	12.7	15.4	16.1
52.5°	2.7	2.7	2.7	5.4	8.7	12.7	15.4	16.1
55°	2.7	2.7	2.7	5.4	8.7	12.7	15.4	16.1
57.5°	2.7	2.7	2.7	5.4	8.7	12.0	15.4	16.1
60°	2.7	2.7	2.7	4.7	8.0	12.0	14.7	15.4
62.5°	2.7	2.7	2.7	4.7	8.0	11.4	14.7	14.7
65°	2.7	2.7	2.7	4.0	7.4	10.7	13.4	14.1
67.5°	2.7	2.7	2.7	4.0	6.7	10.0	12.7	13.4
70°	2.0	2.7	2.7	3.3	6.0	9.4	12.0	12.7
72.5°	2.0	2.0	2.7	3.3	5.4	8.0	10.7	11.4
75°	2.0	2.0	2.0	2.7	4.7	7.4	9.4	10.0
77.5°	2.0	2.0	2.0	2.7	4.0	6.0	8.7	8.7
80°	1.3	2.0	2.0	2.0	3.3	4.7	6.7	7.4
82.5°	1.3	1.3	1.3	2.0	2.7	4.0	5.4	5.4
85°	1.3	1.3	1.3	1.3	2.0	2.7	3.3	3.3
87.5°	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)