

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: P1323803

Luminaire Tested: LDSQA3D09R509030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

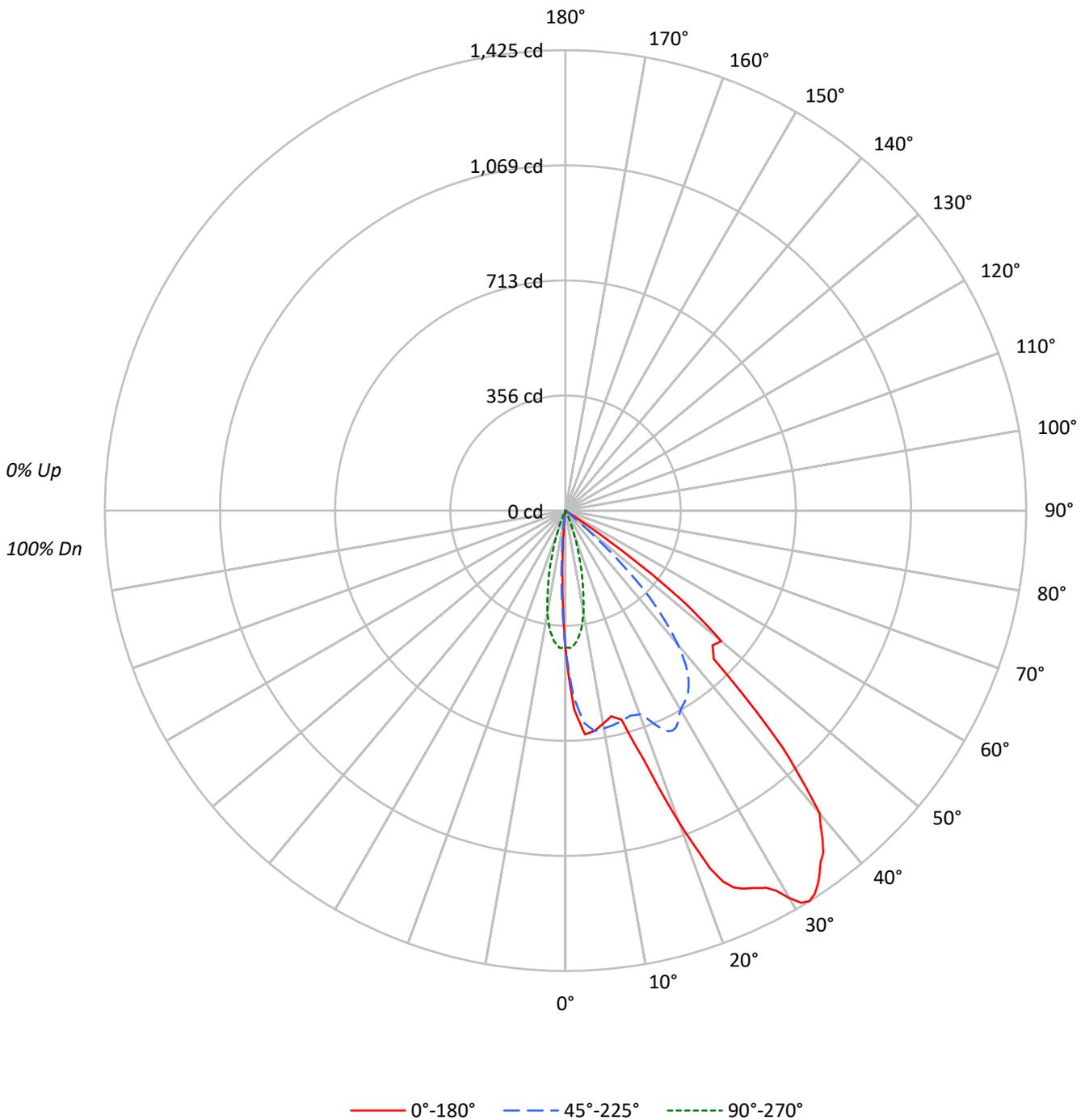
Test Method: LM-79-2019  
Report Number: P1323803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R509030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 682.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 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): 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	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	99	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°	72919	72919	72919	72919	72919
5°	120152	114032	70086	20815	10407
10°	117099	119670	56154	1049	1399
15°	119388	120102	33627	1070	357
20°	188187	122978	13856	0	0
25°	245343	143261	3306	0	0
30°	275369	141672	139	0	0
35°	288183	139519	0	0	0
40°	274911	121223	0	0	0
45°	157875	80009	0	0	0
50°	168475	9136	0	0	0
55°	48012	0	0	0	0
60°	0	0	241	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1289	694	0
85°	0	1383	2569	1383	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 174340 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	5.2
10°-20°	89.6	13.1
20°-30°	172.1	25.2
30°-40°	200.3	29.4
40°-50°	143.4	21.0
50°-60°	39.9	5.9
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.5	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°	297.3	43.6
0°-40°	497.6	73.0
0°-60°	680.8	99.8
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	423	423	423	423	423	
5°	695	660	405	120	60	64
15°	670	674	189	6	2	216
25°	1291	754	17	0	0	587
35°	1371	664	0	0	0	848
45°	648	328	0	0	0	610
55°	160	0	0	0	0	201
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	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°	423.4	423.4	423.4	423.4	423.4	423.4	423.4	423.4	423.4	423.4	423.4
2.5°	615.4	618.8	619.4	611.4	612.8	601.4	602.0	594.0	574.6	507.1	425.4
5°	695.0	693.0	695.0	692.4	695.0	688.3	684.3	681.0	659.6	563.9	405.4
7.5°	687.7	685.0	689.0	690.4	695.0	693.0	693.7	695.7	688.3	594.7	371.3
10°	669.6	668.9	671.0	671.0	676.3	677.0	679.6	683.7	684.3	605.4	321.1
12.5°	652.2	650.2	650.2	649.5	652.2	651.6	658.2	667.6	680.3	598.7	252.2
15°	669.6	667.6	664.9	657.6	652.2	646.2	646.9	652.9	673.6	581.3	188.6
17.5°	810.1	799.4	786.0	762.6	737.8	695.0	669.6	653.6	665.6	554.6	125.8
20°	1026.8	1022.1	1000.7	962.6	922.5	859.6	781.3	718.4	671.0	521.1	75.6
21°	1109.1	1106.4	1083.7	1048.2	1002.7	926.5	846.2	770.6	681.7	507.1	59.5
22°	1193.4	1183.4	1165.3	1125.8	1078.3	1002.1	912.4	828.8	703.1	489.0	45.5
23°	1247.6	1241.6	1222.2	1190.7	1145.2	1071.0	979.3	888.4	723.8	468.9	34.1
24°	1275.7	1273.7	1258.3	1236.2	1197.4	1121.8	1034.9	941.2	741.2	445.5	24.8
25°	1291.1	1284.4	1275.0	1259.0	1229.5	1164.0	1086.4	987.4	753.9	422.1	17.4
26°	1300.4	1296.4	1281.7	1267.6	1239.6	1186.0	1119.8	1015.5	757.2	393.3	12.0
27°	1311.1	1301.8	1287.7	1271.0	1239.6	1192.7	1132.5	1027.5	753.2	363.9	8.0
28°	1322.5	1315.8	1296.4	1275.0	1237.5	1192.7	1127.8	1011.4	741.2	335.8	4.7
29°	1344.6	1335.9	1311.8	1280.4	1238.2	1191.4	1109.8	978.0	725.1	304.4	2.7
30°	1384.7	1366.7	1337.2	1293.1	1242.9	1188.7	1079.7	927.8	712.4	268.9	0.7
31°	1416.2	1406.1	1372.0	1316.5	1256.3	1181.4	1044.2	878.3	703.7	238.1	0.0
32°	1424.9	1417.5	1392.7	1340.6	1279.0	1175.3	1004.1	830.2	697.0	204.0	0.0
33°	1414.8	1410.1	1384.0	1336.6	1285.0	1167.3	957.9	782.7	689.7	173.3	0.0
34°	1396.1	1390.1	1367.3	1319.2	1269.7	1132.5	913.8	746.5	679.0	144.5	0.0
35°	1370.7	1366.0	1342.6	1295.1	1241.6	1078.3	869.6	722.5	663.6	115.7	0.0
36°	1343.2	1341.9	1311.8	1265.0	1205.4	1026.2	816.1	704.4	648.2	91.6	0.0
37°	1325.2	1318.5	1285.7	1239.6	1162.6	965.3	773.3	698.4	626.8	70.9	0.0
38°	1292.4	1293.7	1256.3	1214.1	1119.1	912.4	738.5	693.7	602.7	51.5	0.0
39°	1253.6	1254.3	1215.5	1179.3	1067.6	856.9	709.7	689.0	572.6	32.8	0.0
40°	1222.8	1222.2	1178.0	1139.2	1012.1	804.7	694.4	682.3	539.2	18.7	0.0
42.5°	994.1	998.1	1003.4	1019.5	881.7	713.1	679.6	644.9	444.2	0.0	0.0
45°	648.2	663.6	667.6	715.8	715.1	675.6	644.9	578.0	328.5	0.0	0.0
47.5°	616.8	621.4	630.1	648.9	658.9	639.5	576.6	483.0	179.3	0.0	0.0
50°	628.8	628.1	630.1	630.1	612.1	561.9	472.9	356.5	34.1	0.0	0.0
52.5°	451.5	468.3	486.3	494.3	470.9	418.1	345.2	209.4	0.0	0.0	0.0
55°	159.9	154.5	150.5	164.6	161.2	181.3	149.8	48.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.7	6.0	8.0	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	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3



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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	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
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°	423.4	423.4	423.4	423.4
2.5°	339.2	260.2	210.7	214.1
5°	238.1	120.4	74.3	60.2
7.5°	142.5	36.8	7.4	6.0
10°	66.9	6.0	6.7	8.0
12.5°	20.1	5.4	7.4	6.7
15°	5.4	6.0	3.3	2.0
17.5°	2.0	2.7	0.0	0.0
20°	1.3	0.0	0.0	0.0
21°	1.3	0.0	0.0	0.0
22°	0.7	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°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)