

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: P1323458

Luminaire Tested: LDSQA3D02R309030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

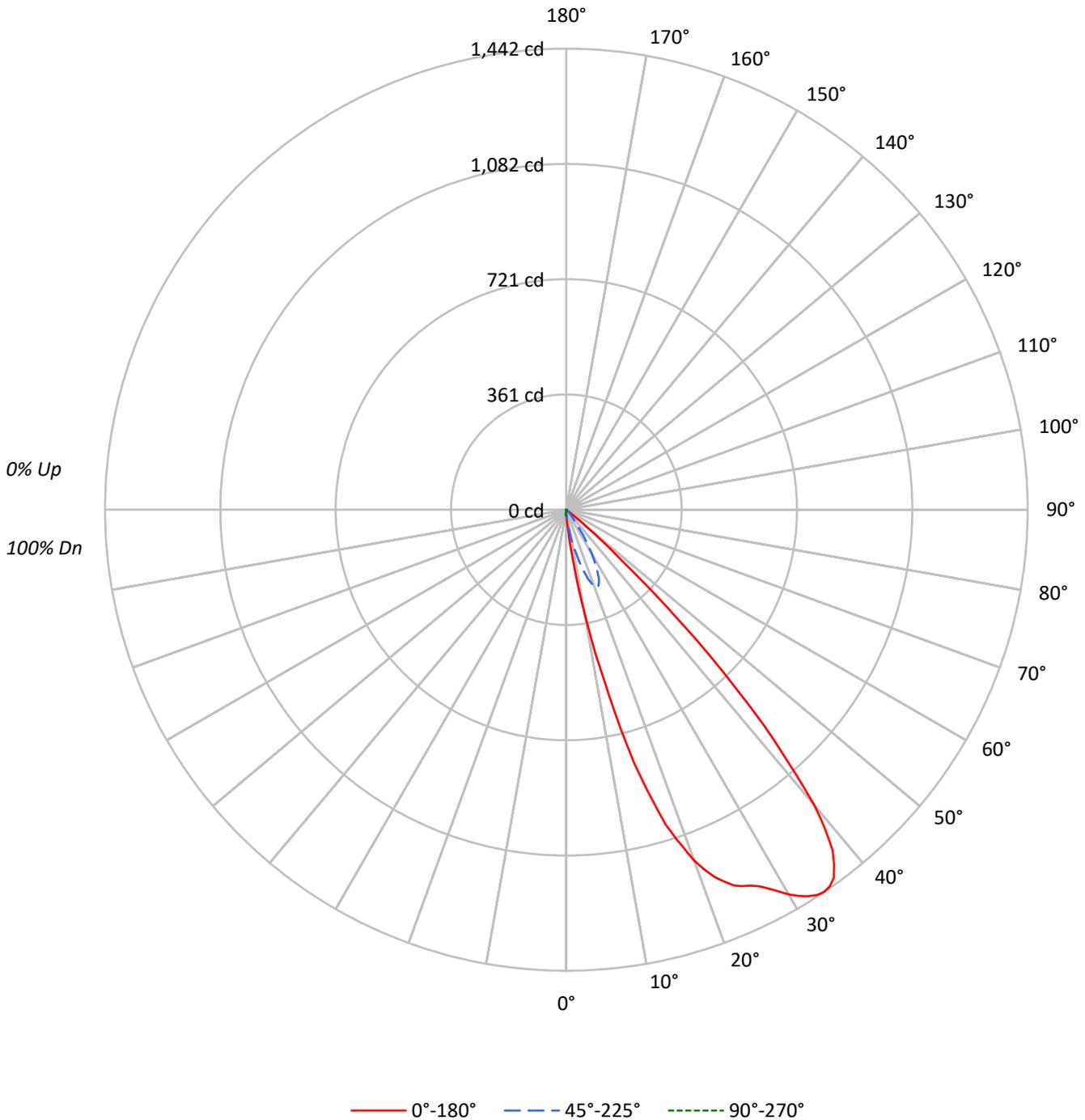
Test Method: LM-79-2019  
Report Number: P1323458  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 347.0 lumens  
Efficiency: N/A  
Efficacy: 48.2 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	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	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	3203	3203	3203	3203	3203
5°	11600	7209	2922	1176	847
10°	57395	17261	2273	227	0
15°	146436	32860	1444	0	0
20°	213956	46735	605	0	0
25°	246845	45853	133	0	0
30°	276264	31480	0	0	0
35°	302143	13561	0	0	0
40°	271179	5261	0	0	0
45°	138488	2143	0	0	0
50°	21381	268	0	0	0
55°	1261	0	90	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 138488 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	1.1
10°-20°	46.2	13.3
20°-30°	114.3	32.9
30°-40°	131.4	37.9
40°-50°	48.7	14.0
50°-60°	1.8	0.5
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	164.4	47.4
0°-40°	295.8	85.2
0°-60°	346.3	99.8
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	67	42	17	7	5	15
15°	821	184	8	0	0	236
25°	1299	241	1	0	0	600
35°	1437	64	0	0	0	871
45°	569	9	0	0	0	443
55°	4	0	0	0	0	14
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	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°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	32.9	33.2	33.2	32.2	31.9	31.6	30.6	27.7	23.1	18.6	15.0
5°	67.1	67.4	67.4	65.5	61.5	57.6	54.4	41.7	26.7	16.9	11.1
7.5°	158.3	158.6	151.7	143.9	128.3	120.2	105.2	64.2	30.3	15.3	7.2
10°	328.2	321.1	303.2	280.4	256.3	225.0	193.4	98.7	32.9	13.0	4.6
12.5°	548.7	541.9	518.7	486.2	439.0	377.7	317.8	138.7	33.2	10.4	2.6
15°	821.3	802.1	774.4	720.3	650.6	555.9	456.9	184.3	31.9	8.1	0.7
17.5°	1032.6	1015.0	979.9	916.7	830.1	724.9	603.4	227.6	28.3	5.2	0.0
20°	1167.4	1148.9	1116.0	1060.3	968.1	844.7	705.7	255.0	23.4	3.3	0.0
21°	1205.8	1187.9	1155.7	1100.3	1008.5	885.4	730.7	260.8	21.2	2.6	0.0
22°	1239.7	1225.7	1195.8	1135.5	1042.0	915.4	756.1	261.5	19.5	2.0	0.0
23°	1263.5	1253.4	1223.4	1168.1	1074.9	939.8	769.8	257.6	17.6	1.3	0.0
24°	1286.3	1273.9	1248.2	1196.7	1101.0	960.3	782.2	250.4	15.6	1.0	0.0
25°	1299.0	1284.7	1264.8	1216.6	1122.5	973.3	789.7	241.3	13.7	0.7	0.0
26°	1307.8	1296.7	1274.9	1228.3	1131.6	981.8	790.7	227.9	12.4	0.3	0.0
27°	1321.1	1310.1	1288.9	1238.7	1135.5	980.5	784.8	212.6	10.7	0.0	0.0
28°	1341.3	1326.7	1305.5	1249.8	1137.1	975.0	771.8	196.0	9.1	0.0	0.0
29°	1364.4	1349.5	1326.3	1264.5	1137.5	963.9	751.3	177.8	8.1	0.0	0.0
30°	1389.2	1376.2	1352.7	1278.8	1141.0	949.6	727.5	158.3	6.5	0.0	0.0
31°	1408.7	1397.0	1371.9	1291.8	1144.0	937.2	698.2	138.7	5.5	0.0	0.0
32°	1425.7	1415.2	1384.3	1294.7	1138.1	919.6	666.9	119.8	4.6	0.0	0.0
33°	1437.4	1424.4	1388.2	1287.3	1121.2	890.6	632.1	101.9	3.6	0.0	0.0
34°	1441.6	1426.0	1382.3	1267.7	1087.0	846.7	586.8	83.4	2.9	0.0	0.0
35°	1437.1	1417.8	1361.2	1234.2	1040.7	794.2	532.4	64.5	2.3	0.0	0.0
36°	1422.4	1398.0	1330.9	1186.3	974.6	732.4	478.0	50.1	1.6	0.0	0.0
37°	1390.8	1363.8	1279.1	1123.1	909.2	661.4	416.2	39.1	1.0	0.0	0.0
38°	1352.1	1313.0	1210.1	1043.4	824.5	581.6	354.9	32.2	0.7	0.0	0.0
39°	1286.0	1243.0	1128.0	951.5	741.5	505.7	295.4	28.0	0.3	0.0	0.0
40°	1206.2	1155.0	1034.2	853.2	643.5	426.3	246.5	23.4	0.3	0.0	0.0
42.5°	909.8	866.5	736.6	580.3	393.4	251.4	136.8	15.3	0.0	0.0	0.0
45°	568.6	523.3	435.4	318.2	213.0	130.3	65.8	8.8	0.0	0.0	0.0
47.5°	232.2	213.0	175.2	134.8	96.4	61.2	27.4	3.9	0.0	0.0	0.0
50°	79.8	71.0	59.6	43.6	30.9	21.2	14.3	1.0	0.0	0.0	0.0
52.5°	23.1	23.4	20.5	17.6	13.7	9.8	7.2	0.0	0.0	0.0	0.0
55°	4.2	3.6	4.2	3.9	4.2	3.6	2.6	0.0	0.0	0.3	0.0
57.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3



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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	0.0	0.3	0.7	1.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.3
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):**

	135°	157.5°	180°
0°	18.6	18.6	18.6
2.5°	12.0	10.7	10.1
5°	6.8	5.2	4.9
7.5°	3.6	2.3	2.0
10°	1.3	0.3	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)