

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: P1313361

Luminaire Tested: LDSQA3D05R359727DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

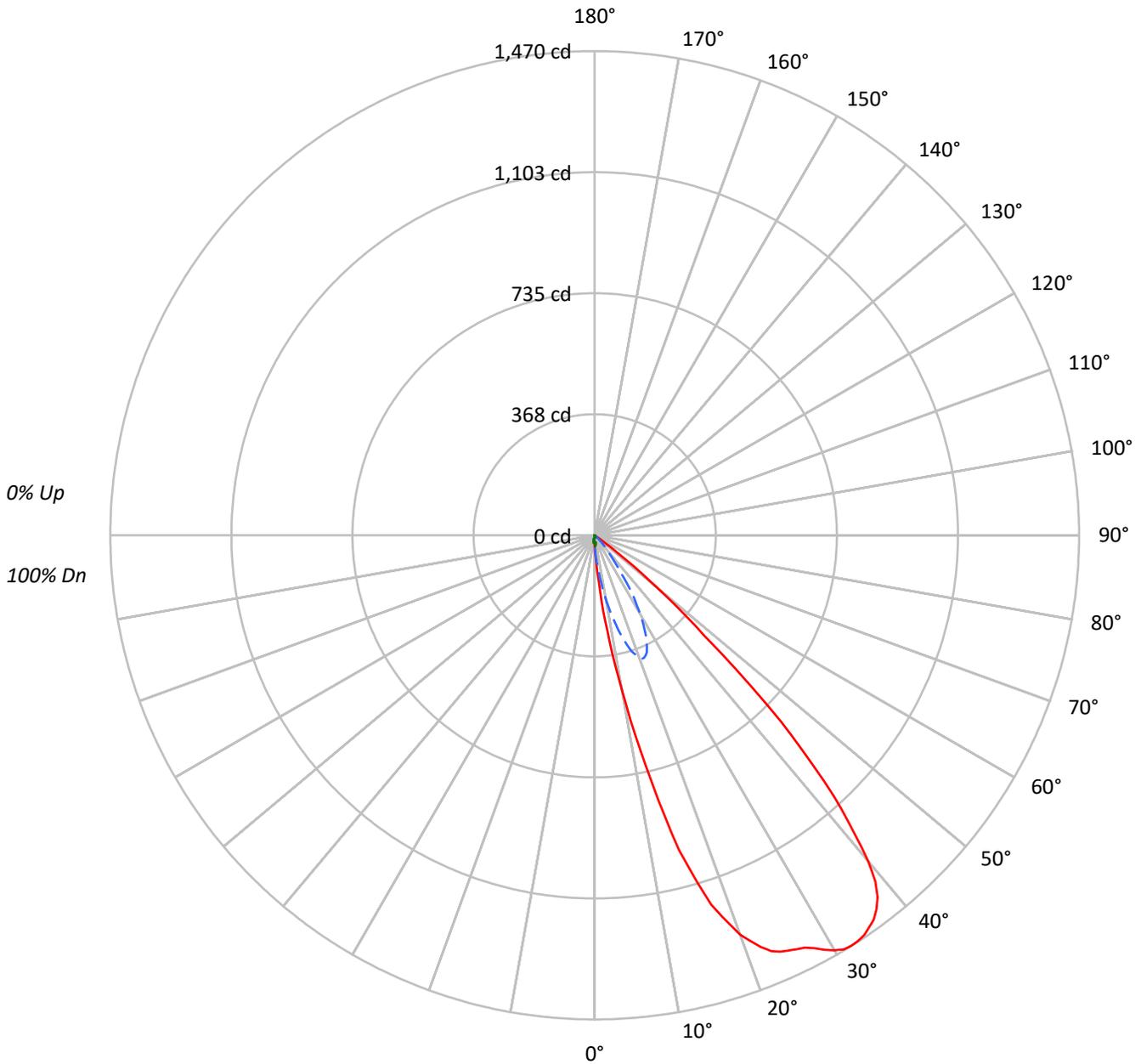
Test Method: LM-79-2019  
Report Number: P1313361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359727DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 439.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67			67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45			45	
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40			40	
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37			37	

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

	0°	45°	90°	135°	180°
0°	5701	5701	5701	5701	5701
5°	24756	15352	5290	1884	1297
10°	83348	34644	3952	437	140
15°	176372	56824	2461	0	0
20°	236480	72614	1155	0	0
25°	264308	71298	247	0	0
30°	289330	54628	0	0	0
35°	305360	29771	0	0	0
40°	290288	13377	0	0	0
45°	194823	5918	0	0	0
50°	65080	563	0	0	0
55°	3513	0	0	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	0	0
85°	0	790	1581	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 194823 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	1.6
10°-20°	60.9	13.9
20°-30°	133.6	30.4
30°-40°	154.6	35.2
40°-50°	76.3	17.4
50°-60°	5.6	1.3
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°	201.7	45.9
0°-40°	356.2	81.2
0°-60°	438.2	99.8
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	143	89	31	11	8	25
15°	989	319	14	0	0	279
25°	1391	375	1	0	0	643
35°	1452	142	0	0	0	897
45°	800	24	0	0	0	587
55°	12	0	0	0	0	48
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°	35°	45°	67.5°	90°
0°	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
2.5°	65.8	67.4	66.6	66.6	66.2	64.1	60.3	59.1	54.4	43.1	33.5
5°	143.2	143.7	142.4	136.1	130.7	125.6	114.8	109.7	88.8	52.8	30.6
7.5°	290.7	284.4	276.4	267.6	248.4	230.8	207.7	183.4	137.4	61.1	27.2
10°	476.6	467.8	461.1	440.2	405.4	369.4	325.4	285.6	198.1	67.0	22.6
12.5°	716.6	711.6	687.7	645.8	594.3	542.4	465.7	402.5	259.2	68.3	18.4
15°	989.2	980.8	944.4	884.9	815.0	733.3	630.7	524.3	318.7	64.5	13.8
17.5°	1175.6	1171.0	1139.6	1077.2	996.8	892.9	771.4	638.7	367.7	56.5	9.6
20°	1290.3	1283.6	1254.3	1201.6	1117.4	1008.9	864.8	711.6	396.2	46.5	6.3
21°	1320.1	1313.4	1289.9	1235.1	1154.6	1038.2	890.4	729.1	401.6	41.9	5.0
22°	1348.1	1341.4	1316.7	1268.1	1188.6	1067.1	910.5	742.5	400.8	38.1	3.8
23°	1371.6	1364.5	1340.2	1295.4	1215.4	1092.7	925.6	749.2	395.4	34.3	2.9
24°	1383.7	1379.5	1357.8	1315.5	1237.2	1110.7	936.0	751.8	388.7	30.6	2.1
25°	1390.9	1385.8	1364.5	1325.5	1251.4	1124.9	942.7	749.7	375.2	27.2	1.3
26°	1398.4	1390.9	1366.6	1328.9	1258.9	1131.6	943.2	744.2	361.0	24.3	0.4
27°	1405.1	1398.0	1372.8	1331.4	1260.2	1129.5	939.8	733.7	343.8	21.4	0.4
28°	1419.8	1411.8	1382.9	1336.8	1261.4	1124.1	929.3	719.5	321.2	18.8	0.0
29°	1439.0	1430.6	1397.6	1349.8	1264.4	1118.2	915.1	700.7	301.5	16.8	0.0
30°	1454.9	1447.4	1416.8	1366.1	1271.9	1112.8	898.3	675.1	274.7	14.2	0.0
31°	1466.7	1459.1	1431.1	1380.0	1278.6	1107.7	877.4	648.7	250.4	12.6	0.0
32°	1469.6	1463.3	1436.9	1385.8	1278.6	1100.2	858.1	619.0	226.6	10.5	0.0
33°	1468.3	1462.1	1435.2	1381.6	1267.3	1082.2	834.7	583.4	199.4	9.2	0.0
34°	1463.7	1456.2	1427.7	1368.2	1245.1	1051.6	800.8	547.8	170.9	7.5	0.0
35°	1452.4	1445.7	1414.7	1343.1	1210.8	1005.1	755.5	506.8	141.6	6.3	0.0
36°	1441.5	1431.5	1393.4	1312.1	1165.5	957.4	701.5	459.4	116.4	5.0	0.0
37°	1421.4	1407.2	1368.7	1267.3	1101.5	890.0	639.9	407.5	97.6	3.8	0.0
38°	1394.6	1375.4	1326.4	1215.4	1037.0	826.7	582.1	360.6	82.1	2.5	0.0
39°	1353.2	1330.5	1264.0	1144.2	962.4	753.4	516.0	310.8	69.9	1.7	0.0
40°	1291.2	1269.8	1196.1	1059.6	888.3	672.6	448.1	254.6	59.5	0.8	0.0
42.5°	1075.1	1045.8	960.3	824.6	656.7	483.7	296.5	141.6	39.4	0.0	0.0
45°	799.9	774.0	690.2	566.6	437.7	296.1	158.7	83.3	24.3	0.0	0.0
47.5°	451.9	449.0	394.5	325.4	244.2	157.5	80.4	50.3	10.5	0.0	0.0
50°	242.9	227.8	196.4	149.1	101.8	68.7	43.6	27.6	2.1	0.0	0.0
52.5°	88.8	85.9	72.0	59.9	46.1	31.4	22.2	12.1	0.0	0.0	0.0
55°	11.7	10.9	11.3	12.1	12.6	10.9	7.1	2.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.8	0.8	0.8	0.0	0.0	0.0	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8



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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	0.0	0.4	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
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):**

	112.5°	135°	157.5°	180°
0°	33.1	33.1	33.1	33.1
2.5°	25.5	19.7	16.8	16.3
5°	17.6	10.9	8.0	7.5
7.5°	12.1	5.4	3.8	3.4
10°	7.1	2.5	1.3	0.8
12.5°	4.2	0.4	0.0	0.0
15°	1.3	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)