

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: P1323968

Luminaire Tested: LDSQA3D13R609030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

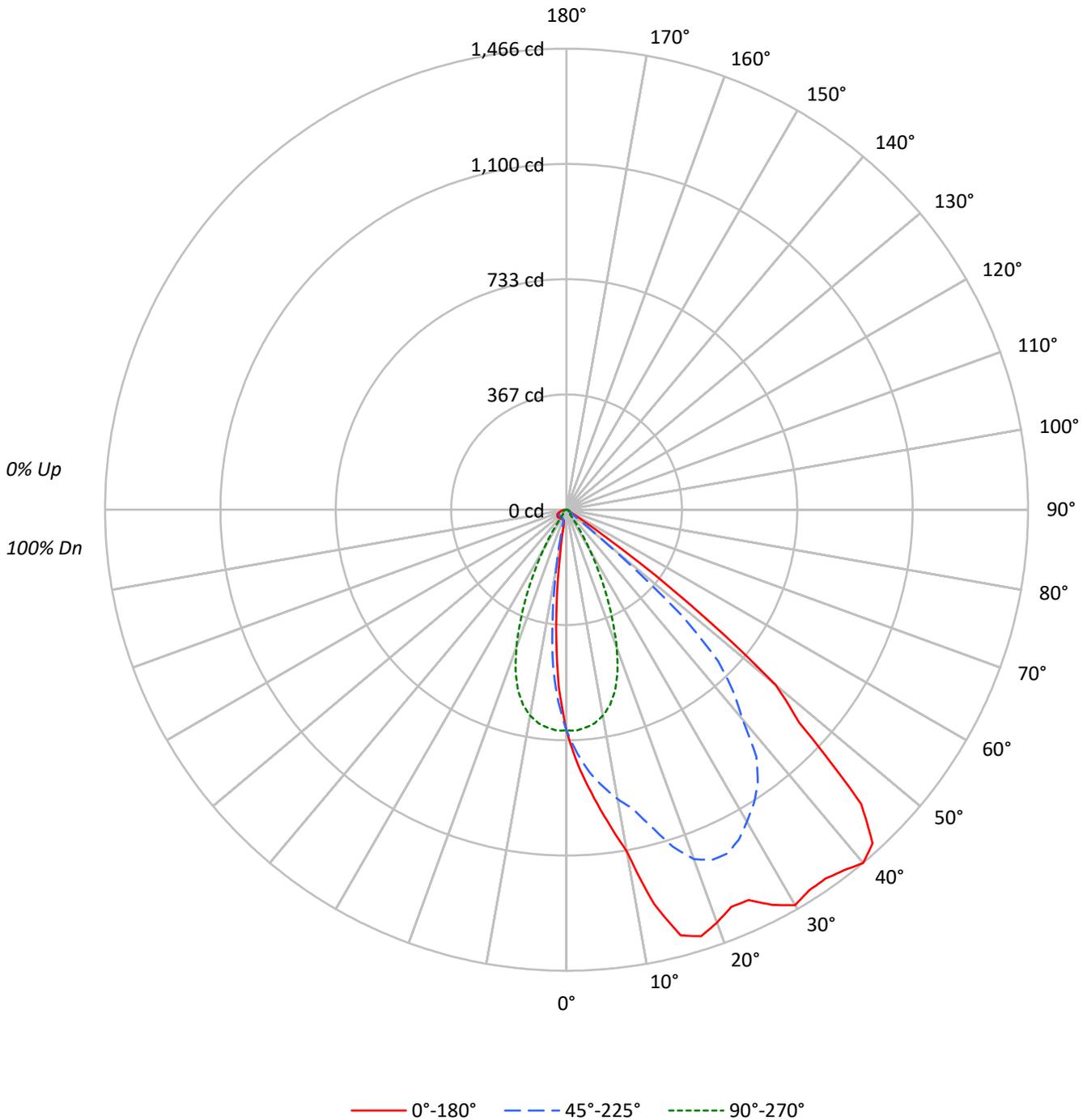
Test Method: LM-79-2019  
Report Number: P1323968  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1140.0 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	120849	120849	120849	120849	120849
5°	156111	144943	120204	85593	65314
10°	192927	163372	116330	32370	9601
15°	249849	185947	106123	7096	6330
20°	256036	216595	85406	5920	6121
25°	260165	229267	57274	5720	6138
30°	288733	227741	29532	5787	6423
35°	301197	222671	8136	6118	7022
40°	329565	195279	3867	6542	7734
45°	322449	165937	3921	7088	8646
50°	232430	40940	4314	7797	9512
55°	44589	2582	4534	8407	10659
60°	2239	2583	4443	8887	11504
65°	2201	2649	4401	9210	12266
70°	2165	2719	4330	9215	12488
75°	2129	2861	4325	9316	12909
80°	1091	3174	4265	9620	12794
85°	2174	2174	4347	8497	12844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 322449 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	5.4
10°-20°	168.5	14.8
20°-30°	259.3	22.7
30°-40°	304.3	26.7
40°-50°	244.0	21.4
50°-60°	75.8	6.6
60°-70°	14.3	1.3
70°-80°	9.5	0.8
80°-90°	3.3	0.3
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°	488.8	42.9
0°-40°	793.1	69.6
0°-60°	1112.9	97.6
0°-90°	1140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	702	702	702	702	702	
5°	903	838	695	495	378	92
15°	1401	1043	595	40	36	384
25°	1369	1206	301	30	32	646
35°	1433	1059	39	29	33	907
45°	1324	681	16	29	36	947
55°	148	9	15	28	36	235
65°	5	6	11	23	30	5
75°	3	4	6	14	19	3
85°	1	1	2	4	6	1
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°	701.7	701.7	701.7	701.7	701.7	701.7	701.7	701.7	701.7	701.7	701.7
2.5°	809.4	800.8	800.8	797.5	794.3	795.4	786.8	790.0	781.4	774.9	769.6
5°	903.0	892.3	891.2	885.8	880.4	876.1	865.3	858.9	846.0	838.4	822.3
7.5°	999.9	991.3	985.9	979.4	969.7	959.0	940.7	928.8	908.4	887.9	867.5
10°	1103.2	1095.7	1083.8	1076.3	1049.4	1032.2	1007.4	991.3	961.1	934.2	903.0
12.5°	1284.0	1279.7	1257.1	1242.1	1203.3	1168.9	1115.0	1072.0	1018.2	974.1	932.1
15°	1401.3	1396.0	1384.1	1370.1	1345.4	1306.6	1258.2	1197.9	1122.6	1042.9	971.9
17.5°	1421.8	1422.9	1415.3	1412.1	1396.0	1371.2	1332.5	1287.3	1211.9	1123.7	1026.8
20°	1397.0	1405.7	1403.5	1410.0	1413.2	1403.5	1377.7	1333.5	1267.9	1181.8	1073.1
22.5°	1366.9	1374.4	1372.3	1384.1	1402.4	1412.1	1403.5	1368.0	1301.2	1205.5	1098.9
25°	1369.1	1374.4	1358.3	1365.8	1389.5	1413.2	1414.3	1383.0	1310.9	1206.5	1096.8
27.5°	1416.4	1400.3	1363.7	1360.4	1389.5	1419.6	1421.8	1383.0	1296.9	1183.9	1075.2
30°	1451.9	1440.1	1399.2	1393.8	1421.8	1442.2	1431.5	1371.2	1263.6	1145.2	1044.0
32.5°	1434.7	1436.9	1419.6	1436.9	1473.5	1482.1	1436.9	1343.2	1217.3	1107.5	1007.4
35°	1432.6	1441.2	1450.9	1477.8	1502.5	1482.1	1410.0	1290.5	1167.8	1059.1	950.4
37.5°	1445.5	1459.5	1473.5	1497.1	1497.1	1444.4	1338.9	1223.8	1108.6	990.2	832.0
40°	1465.9	1474.5	1478.8	1476.7	1447.6	1370.1	1258.2	1143.0	1033.2	868.6	753.4
42.5°	1439.0	1437.9	1433.6	1415.3	1361.5	1260.3	1155.9	1062.3	889.0	783.5	652.2
45°	1323.9	1323.9	1312.0	1283.0	1233.4	1149.5	1056.9	920.2	810.5	681.3	484.3
47.5°	1002.0	994.5	1007.4	1024.6	1024.6	1017.1	933.2	814.8	702.8	491.9	155.0
50°	867.5	855.7	839.5	842.7	840.6	849.2	795.4	706.1	519.9	152.8	10.8
52.5°	490.8	512.3	565.1	639.3	672.7	684.5	651.2	537.1	175.4	9.7	8.6
55°	148.5	152.8	173.3	213.1	289.5	370.2	375.6	174.4	11.8	8.6	8.6
57.5°	6.5	6.5	8.6	12.9	30.1	45.2	48.4	10.8	7.5	8.6	8.6
60°	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5	7.5	8.6
62.5°	5.4	5.4	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5
65°	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	7.5
67.5°	4.3	4.3	4.3	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4
72.5°	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3	5.4
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3
77.5°	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	701.7	701.7	701.7	701.7	701.7	701.7	701.7	701.7
2.5°	762.0	753.4	743.7	702.8	663.0	609.2	572.6	561.8
5°	808.3	794.3	772.8	695.3	601.7	495.1	409.0	377.8
7.5°	847.0	825.5	795.4	684.5	528.5	335.8	216.3	183.0
10°	875.0	848.1	809.4	665.2	431.6	185.1	73.2	54.9
12.5°	898.7	863.2	816.9	636.1	314.3	75.3	37.7	37.7
15°	914.9	871.8	820.1	595.2	203.4	39.8	35.5	35.5
17.5°	937.5	881.5	820.1	538.2	110.9	34.4	34.4	34.4
20°	974.1	891.2	808.3	466.0	61.3	32.3	33.4	33.4
22.5°	993.4	905.2	793.2	382.1	38.7	31.2	32.3	32.3
25°	997.7	903.0	760.9	301.4	31.2	30.1	31.2	32.3
27.5°	982.7	887.9	717.9	219.6	28.0	29.1	31.2	32.3
30°	955.8	851.4	649.0	148.5	25.8	29.1	31.2	32.3
32.5°	905.2	763.1	568.3	89.3	24.8	29.1	31.2	33.4
35°	792.2	670.5	475.7	38.7	23.7	29.1	32.3	33.4
37.5°	710.4	578.0	368.1	19.4	23.7	29.1	32.3	34.4
40°	619.9	465.0	170.1	17.2	23.7	29.1	32.3	34.4
42.5°	472.5	215.3	20.4	17.2	22.6	29.1	33.4	34.4
45°	172.2	22.6	10.8	16.1	22.6	29.1	33.4	35.5
47.5°	12.9	8.6	9.7	16.1	22.6	29.1	33.4	35.5
50°	8.6	8.6	9.7	16.1	22.6	29.1	33.4	35.5
52.5°	8.6	9.7	9.7	15.1	21.5	29.1	33.4	35.5
55°	8.6	9.7	9.7	15.1	21.5	28.0	33.4	35.5
57.5°	8.6	8.6	9.7	14.0	20.4	26.9	33.4	34.4
60°	8.6	8.6	9.7	12.9	19.4	25.8	31.2	33.4
62.5°	8.6	8.6	8.6	11.8	18.3	24.8	30.1	32.3
65°	7.5	7.5	8.6	10.8	16.1	22.6	28.0	30.1
67.5°	6.5	7.5	7.5	9.7	15.1	20.4	25.8	28.0
70°	6.5	6.5	6.5	8.6	12.9	18.3	23.7	24.8
72.5°	5.4	5.4	6.5	7.5	11.8	16.1	21.5	22.6
75°	4.3	5.4	5.4	6.5	9.7	14.0	18.3	19.4
77.5°	4.3	4.3	4.3	5.4	8.6	11.8	15.1	16.1
80°	3.2	3.2	3.2	4.3	6.5	9.7	11.8	12.9
82.5°	2.2	3.2	3.2	3.2	5.4	6.5	8.6	9.7
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	6.5
87.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)