

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: P1309310

Luminaire Tested: LDSQA3D13R609030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309310  
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: LDSQA3D13R609030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

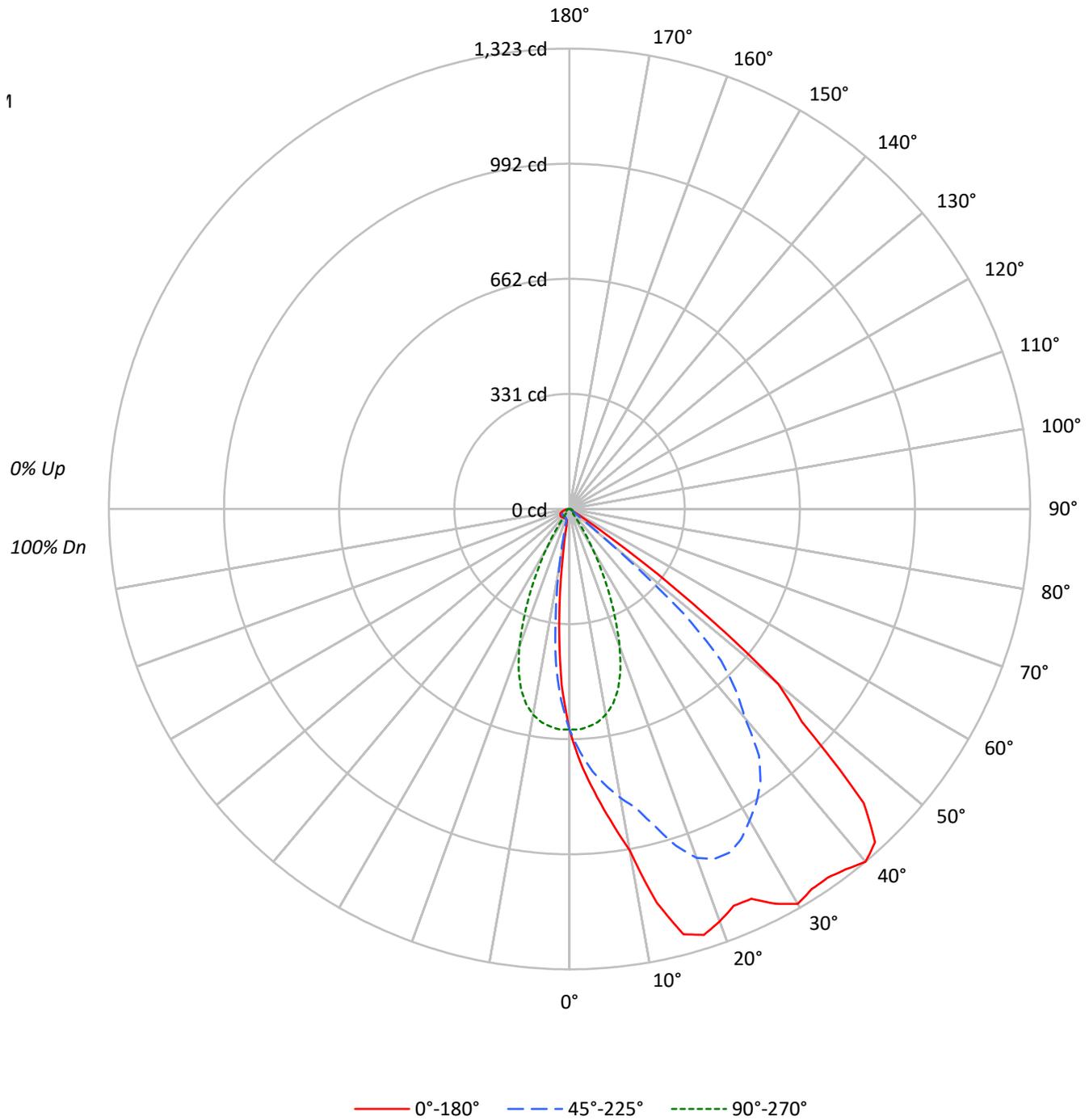
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1029.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 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): 14.6  
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

TEST NUMBER: P1309310  
CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1309310

CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCA30R 1MW

**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	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	42	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°	109086	109086	109086	109086	109086
5°	140915	130836	108500	77260	58952
10°	174145	147476	104998	29222	8657
15°	225529	167850	95782	6401	5723
20°	231110	195500	77104	5333	5517
25°	234835	206958	51687	5169	5530
30°	260633	205567	26668	5210	5787
35°	271868	200994	7359	5508	6328
40°	297483	176259	3485	5890	6992
45°	291029	149789	3556	6381	7818
50°	209790	36974	3912	7020	8601
55°	40265	2342	4084	7597	9638
60°	1998	2342	4030	8026	10368
65°	1997	2364	3953	8313	11084
70°	1964	2467	3928	8308	11229
75°	1930	2595	3859	8384	11645
80°	992	2876	3868	8629	11604
85°	1976	1976	3754	7707	11461

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 291029 cd/sqm



TEST NUMBER: P1309310

CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.1	5.4
10°-20°	152.1	14.8
20°-30°	234.1	22.7
30°-40°	274.6	26.7
40°-50°	220.2	21.4
50°-60°	68.4	6.6
60°-70°	12.9	1.3
70°-80°	8.6	0.8
80°-90°	3.0	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°	441.2	42.9
0°-40°	715.9	69.6
0°-60°	1004.5	97.6
0°-90°	1029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	633	633	633	633	633	
5°	815	757	628	447	341	83
15°	1265	941	537	36	32	346
25°	1236	1089	272	27	29	583
35°	1293	956	35	26	30	818
45°	1195	615	15	26	32	855
55°	134	8	14	25	32	212
65°	5	6	10	20	27	5
75°	3	4	6	13	18	3
85°	1	1	2	4	6	1
90°	0	0	0	0	0	



TEST NUMBER: P1309310

CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4
2.5°	730.6	722.8	722.8	719.9	717.0	717.9	710.2	713.1	705.3	699.5	694.6
5°	815.1	805.4	804.4	799.5	794.7	790.8	781.1	775.3	763.6	756.8	742.2
7.5°	902.5	894.8	889.9	884.1	875.3	865.6	849.1	838.4	819.9	801.5	783.0
10°	995.8	989.0	978.3	971.5	947.2	931.7	909.3	894.8	867.6	843.3	815.1
12.5°	1159.0	1155.1	1134.7	1121.1	1086.1	1055.1	1006.5	967.6	919.0	879.2	841.3
15°	1264.9	1260.0	1249.4	1236.7	1214.4	1179.4	1135.7	1081.3	1013.3	941.4	877.3
17.5°	1283.4	1284.3	1277.5	1274.6	1260.0	1237.7	1202.7	1161.9	1093.9	1014.3	926.8
20°	1261.0	1268.8	1266.8	1272.7	1275.6	1266.8	1243.5	1203.7	1144.4	1066.7	968.6
22.5°	1233.8	1240.6	1238.7	1249.4	1265.9	1274.6	1266.8	1234.8	1174.5	1088.1	991.9
25°	1235.8	1240.6	1226.0	1232.8	1254.2	1275.6	1276.6	1248.4	1183.3	1089.1	990.0
27.5°	1278.5	1263.9	1230.9	1228.0	1254.2	1281.4	1283.4	1248.4	1170.7	1068.7	970.5
30°	1310.6	1299.9	1263.0	1258.1	1283.4	1301.8	1292.1	1237.7	1140.5	1033.7	942.4
32.5°	1295.0	1297.0	1281.4	1297.0	1330.0	1337.8	1297.0	1212.4	1098.8	999.7	909.3
35°	1293.1	1300.8	1309.6	1333.9	1356.2	1337.8	1272.7	1164.8	1054.1	956.0	857.8
37.5°	1304.7	1317.4	1330.0	1351.4	1351.4	1303.8	1208.6	1104.6	1000.6	893.8	751.0
40°	1323.2	1331.0	1334.8	1332.9	1306.7	1236.7	1135.7	1031.7	932.6	784.0	680.1
42.5°	1298.9	1297.9	1294.0	1277.5	1229.0	1137.6	1043.4	958.9	802.5	707.3	588.7
45°	1194.9	1194.9	1184.3	1158.0	1113.3	1037.6	954.0	830.6	731.5	615.0	437.2
47.5°	904.5	897.7	909.3	924.9	924.9	918.1	842.3	735.4	634.4	444.0	139.9
50°	783.0	772.3	757.8	760.7	758.7	766.5	717.9	637.3	469.2	138.0	9.7
52.5°	443.0	462.4	510.0	577.1	607.2	617.9	587.8	484.8	158.4	8.7	7.8
55°	134.1	138.0	156.4	192.4	261.3	334.2	339.1	157.4	10.7	7.8	7.8
57.5°	5.8	5.8	7.8	11.7	27.2	40.8	43.7	9.7	6.8	7.8	7.8
60°	5.8	5.8	5.8	5.8	5.8	5.8	6.8	6.8	6.8	6.8	7.8
62.5°	4.9	4.9	5.8	5.8	5.8	5.8	5.8	5.8	6.8	6.8	6.8
65°	4.9	4.9	4.9	4.9	4.9	4.9	5.8	5.8	5.8	5.8	6.8
67.5°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	5.8	5.8	5.8
70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9
72.5°	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	4.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9
77.5°	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309310

CATALOG NUMBER: LDSQA3D13R609030DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4
2.5°	687.8	680.1	671.3	634.4	598.4	549.9	516.8	507.1
5°	729.6	717.0	697.5	627.6	543.1	446.9	369.2	341.0
7.5°	764.6	745.1	717.9	617.9	477.0	303.1	195.3	165.2
10°	789.8	765.5	730.6	600.4	389.6	167.1	66.1	49.5
12.5°	811.2	779.1	737.4	574.2	283.7	68.0	34.0	34.0
15°	825.8	786.9	740.3	537.2	183.6	35.9	32.1	32.1
17.5°	846.2	795.7	740.3	485.8	100.1	31.1	31.1	31.1
20°	879.2	804.4	729.6	420.7	55.4	29.1	30.1	30.1
22.5°	896.7	817.0	716.0	344.9	35.0	28.2	29.1	29.1
25°	900.6	815.1	686.9	272.0	28.2	27.2	28.2	29.1
27.5°	887.0	801.5	648.0	198.2	25.3	26.2	28.2	29.1
30°	862.7	768.5	585.8	134.1	23.3	26.2	28.2	29.1
32.5°	817.0	688.8	513.0	80.6	22.3	26.2	28.2	30.1
35°	715.0	605.2	429.4	35.0	21.4	26.2	29.1	30.1
37.5°	641.2	521.7	332.3	17.5	21.4	26.2	29.1	31.1
40°	559.6	419.7	153.5	15.5	21.4	26.2	29.1	31.1
42.5°	426.5	194.3	18.5	15.5	20.4	26.2	30.1	31.1
45°	155.4	20.4	9.7	14.6	20.4	26.2	30.1	32.1
47.5°	11.7	7.8	8.7	14.6	20.4	26.2	30.1	32.1
50°	7.8	7.8	8.7	14.6	20.4	26.2	30.1	32.1
52.5°	7.8	8.7	8.7	13.6	19.4	26.2	30.1	32.1
55°	7.8	8.7	8.7	13.6	19.4	25.3	30.1	32.1
57.5°	7.8	7.8	8.7	12.6	18.5	24.3	30.1	31.1
60°	7.8	7.8	8.7	11.7	17.5	23.3	28.2	30.1
62.5°	7.8	7.8	7.8	10.7	16.5	22.3	27.2	29.1
65°	6.8	6.8	7.8	9.7	14.6	20.4	25.3	27.2
67.5°	5.8	6.8	6.8	8.7	13.6	18.5	23.3	25.3
70°	5.8	5.8	5.8	7.8	11.7	16.5	21.4	22.3
72.5°	4.9	4.9	5.8	6.8	10.7	14.6	19.4	20.4
75°	3.9	4.9	4.9	5.8	8.7	12.6	16.5	17.5
77.5°	3.9	3.9	3.9	4.9	7.8	10.7	13.6	14.6
80°	2.9	2.9	2.9	3.9	5.8	8.7	10.7	11.7
82.5°	1.9	2.9	2.9	2.9	4.9	5.8	7.8	8.7
85°	1.9	1.9	1.9	1.9	2.9	3.9	4.9	5.8
87.5°	1.0	1.0	1.9	1.9	1.9	1.9	1.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)