

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: P1309292

Luminaire Tested: LDSQA3D13R509030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309292  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R509030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

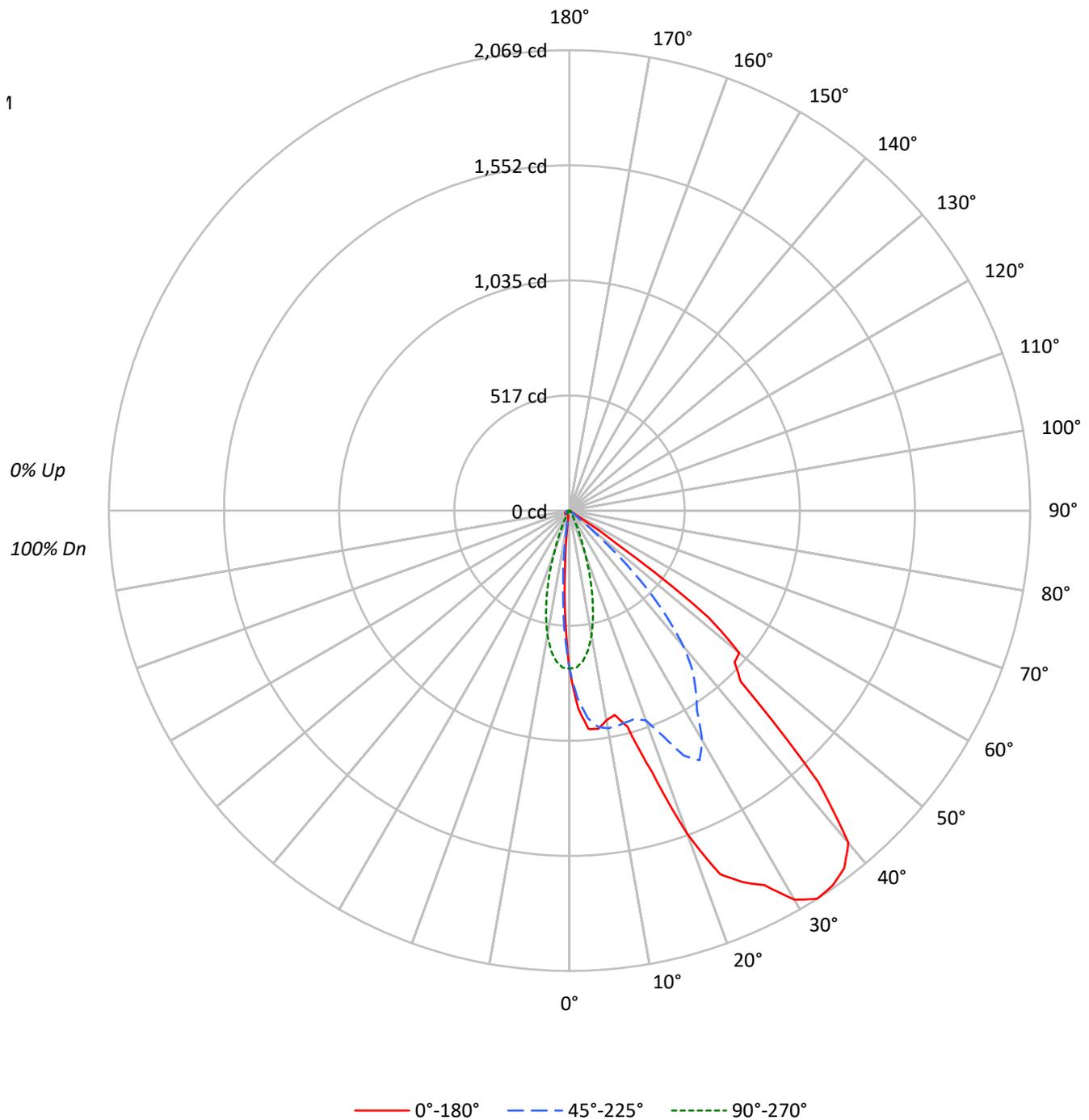
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1104.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2  
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 (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





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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	110	107	104	101	102	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	54	54	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	37	37	37	36

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

	0°	45°	90°	135°	180°
0°	122244	122244	122244	122244	122244
5°	170443	161712	117490	56480	36651
10°	167307	173778	99297	11909	5106
15°	179421	175606	70214	4154	3994
20°	283344	183899	37058	3556	3739
25°	350124	230958	14784	3325	3687
30°	401410	236869	5986	3281	3858
35°	432768	207890	2649	3469	4289
40°	438063	179025	1978	3934	4811
45°	264749	116032	1900	4262	5456
50°	266752	20068	2090	4957	6243
55°	78819	1171	2342	5555	6996
60°	1343	1343	2342	6028	7716
65°	1182	1182	2364	6357	8313
70°	1460	1460	2467	6848	9316
75°	1264	1264	2595	7120	9715
80°	992	1884	2876	6744	10612
85°	1976	3754	3754	7707	9683

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 302404 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	5.2
10°-20°	142.5	12.9
20°-30°	267.0	24.2
30°-40°	319.2	28.9
40°-50°	228.8	20.7
50°-60°	70.5	6.4
60°-70°	9.2	0.8
70°-80°	6.7	0.6
80°-90°	2.7	0.2
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°	466.9	42.3
0°-40°	786.1	71.2
0°-60°	1085.4	98.3
0°-90°	1104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	710	710	710	710	710	
5°	986	935	680	327	212	92
15°	1006	985	394	23	22	322
25°	1842	1215	78	18	19	849
35°	2058	989	13	16	20	1277
45°	1087	476	8	18	22	998
55°	262	4	8	18	23	338
65°	3	3	6	16	20	3
75°	2	2	4	11	15	2
85°	1	2	2	4	5	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°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	887.7	889.7	892.6	884.8	879.9	876.0	869.2	867.3	850.8	844.0	837.1
5°	985.9	984.0	985.9	983.0	981.0	975.2	969.4	959.7	949.0	935.4	919.8
7.5°	988.8	986.9	990.8	990.8	994.7	994.7	994.7	995.6	989.8	980.1	966.5
10°	956.7	956.7	960.6	958.7	965.5	968.4	975.2	986.9	992.7	993.7	989.8
12.5°	940.2	940.2	941.2	937.3	939.2	942.2	949.9	963.5	977.2	990.8	998.6
15°	1006.3	1008.3	994.7	975.2	960.6	945.1	940.2	949.0	963.5	984.9	1002.4
17.5°	1230.9	1233.8	1219.3	1172.6	1127.9	1063.7	1006.3	978.1	962.6	980.1	1003.4
20°	1546.0	1535.3	1510.0	1460.4	1395.2	1296.1	1206.6	1116.2	1029.7	1003.4	1011.2
22.5°	1768.6	1764.7	1744.3	1688.9	1632.5	1540.1	1426.4	1300.0	1174.5	1094.8	1053.0
25°	1842.5	1839.6	1821.1	1788.1	1756.9	1686.9	1584.8	1457.5	1326.2	1215.4	1110.4
27.5°	1897.9	1894.0	1864.9	1827.9	1795.8	1724.9	1631.5	1535.3	1414.7	1265.0	1103.6
30°	2018.5	2007.8	1967.0	1900.8	1839.6	1741.4	1638.3	1518.7	1355.4	1191.1	1033.6
32.5°	2069.1	2063.2	2028.2	1974.7	1907.6	1779.3	1622.8	1422.5	1207.6	1065.6	950.9
35°	2058.4	2049.6	2013.6	1952.4	1870.7	1747.2	1538.2	1263.0	1088.0	988.8	859.5
37.5°	2026.3	2013.6	1970.8	1898.9	1799.7	1638.3	1365.1	1133.7	1020.9	909.1	735.1
40°	1948.5	1928.1	1878.5	1803.6	1704.4	1492.5	1207.6	1055.9	950.9	796.3	596.0
42.5°	1651.0	1640.3	1664.6	1651.9	1564.4	1314.5	1095.8	984.9	840.1	643.7	431.7
45°	1087.0	1105.5	1149.3	1224.1	1241.6	1130.8	1004.4	868.3	691.3	476.4	248.9
47.5°	1006.3	1002.4	1013.1	1027.7	1030.6	984.0	869.2	717.6	513.4	272.2	69.0
50°	995.6	989.8	981.0	963.5	926.6	836.2	705.9	523.1	296.6	74.9	4.9
52.5°	786.6	780.8	780.8	755.5	707.8	620.3	487.1	287.8	82.6	4.9	3.9
55°	262.5	280.0	277.1	276.1	297.5	274.2	210.0	73.9	6.8	3.9	3.9
57.5°	4.9	4.9	4.9	8.8	13.6	19.4	11.7	5.8	3.9	3.9	3.9
60°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
62.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9
77.5°	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	821.6	808.0	781.7	706.9	624.2	529.9	465.7	458.0
5°	895.5	875.1	832.3	679.6	491.0	326.7	243.1	212.0
7.5°	944.1	916.9	864.4	634.9	357.8	172.1	92.4	73.9
10°	973.3	948.0	880.9	567.8	227.5	68.1	31.1	29.2
12.5°	988.8	964.5	886.7	487.1	128.3	31.1	24.3	24.3
15°	999.5	973.3	878.0	393.8	64.2	23.3	22.4	22.4
17.5°	1004.4	972.3	852.7	296.6	34.0	21.4	21.4	21.4
20°	1007.3	961.6	806.0	202.2	23.3	19.4	20.4	20.4
22.5°	1010.2	935.4	744.8	128.3	18.5	18.5	19.4	19.4
25°	1004.4	889.7	658.2	77.8	16.5	17.5	18.5	19.4
27.5°	962.6	820.6	553.2	47.6	14.6	16.5	18.5	19.4
30°	890.6	719.5	431.7	30.1	13.6	16.5	18.5	19.4
32.5°	797.3	603.8	308.2	18.5	13.6	16.5	18.5	19.4
35°	671.9	461.8	200.3	12.6	13.6	16.5	19.4	20.4
37.5°	530.9	322.8	107.9	9.7	13.6	16.5	19.4	20.4
40°	382.1	193.5	38.9	8.8	12.6	17.5	20.4	21.4
42.5°	223.6	72.0	6.8	7.8	12.6	17.5	20.4	21.4
45°	64.2	7.8	3.9	7.8	12.6	17.5	21.4	22.4
47.5°	4.9	2.9	3.9	7.8	12.6	17.5	21.4	23.3
50°	2.9	2.9	2.9	7.8	12.6	18.5	22.4	23.3
52.5°	3.9	3.9	3.9	7.8	12.6	18.5	22.4	23.3
55°	3.9	3.9	3.9	7.8	12.6	18.5	22.4	23.3
57.5°	3.9	3.9	3.9	7.8	12.6	17.5	22.4	23.3
60°	3.9	3.9	3.9	6.8	11.7	17.5	21.4	22.4
62.5°	3.9	3.9	3.9	6.8	11.7	16.5	21.4	21.4
65°	3.9	3.9	3.9	5.8	10.7	15.6	19.4	20.4
67.5°	3.9	3.9	3.9	5.8	9.7	14.6	18.5	19.4
70°	2.9	3.9	3.9	4.9	8.8	13.6	17.5	18.5
72.5°	2.9	2.9	3.9	4.9	7.8	11.7	15.6	16.5
75°	2.9	2.9	2.9	3.9	6.8	10.7	13.6	14.6
77.5°	2.9	2.9	2.9	3.9	5.8	8.8	12.6	12.6
80°	1.9	2.9	2.9	2.9	4.9	6.8	9.7	10.7
82.5°	1.9	1.9	1.9	2.9	3.9	5.8	7.8	7.8
85°	1.9	1.9	1.9	1.9	2.9	3.9	4.9	4.9
87.5°	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)