

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: P1309301

Luminaire Tested: LDSQA3D13R559030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

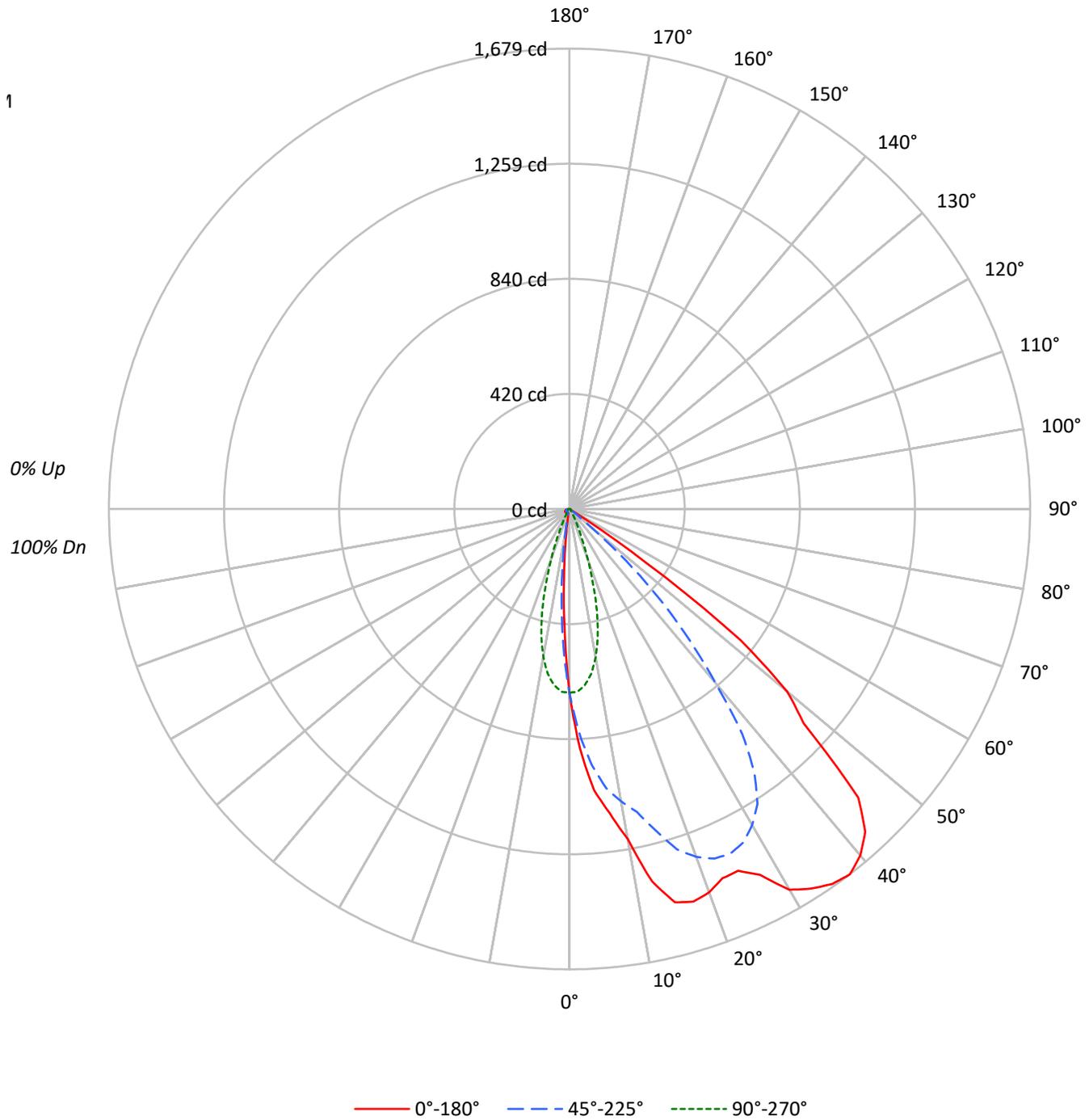
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1118.0 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
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

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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	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	115406	115406	115406	115406	115406
5°	177963	162024	111473	57258	37602
10°	213825	189359	95956	14428	5771
15°	264755	216275	68573	3976	3120
20°	272677	247404	35427	2676	2676
25°	276622	263529	14214	2394	2774
30°	318861	264770	6185	2506	2903
35°	350983	246849	2649	2649	3259
40°	370729	185792	1529	3058	3485
45°	362612	113547	1413	3312	4262
50°	277362	24194	1554	3912	4957
55°	101758	871	1742	4384	5555
60°	999	999	1998	5029	6372
65°	1182	1182	2364	5135	6724
70°	957	1460	2467	5891	7805
75°	665	1264	2595	6455	9050
80°	992	1884	2876	6744	9620
85°	0	1976	3754	7707	9683

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 362612 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	5.3
10°-20°	168.9	15.1
20°-30°	259.2	23.2
30°-40°	302.0	27.0
40°-50°	241.3	21.6
50°-60°	71.4	6.4
60°-70°	7.6	0.7
70°-80°	6.0	0.5
80°-90°	2.5	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°	487.1	43.6
0°-40°	789.1	70.6
0°-60°	1101.8	98.6
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	670	670	670	670	670	
5°	1029	937	645	331	218	103
15°	1485	1213	385	22	18	410
25°	1456	1387	75	13	15	691
35°	1669	1174	13	13	16	1040
45°	1489	466	6	14	18	1073
55°	339	3	6	15	18	359
65°	3	3	6	13	16	2
75°	1	2	4	10	14	1
85°	0	1	2	4	5	0
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°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	874.0	874.0	871.1	872.1	870.1	859.5	857.5	843.9	832.3	819.6	809.0
5°	1029.4	1031.4	1028.4	1022.6	1014.8	1007.1	990.6	977.9	961.4	937.2	914.8
7.5°	1117.8	1115.8	1111.0	1109.0	1104.2	1095.5	1083.8	1070.2	1050.8	1026.5	1000.3
10°	1222.7	1206.2	1201.3	1193.5	1178.0	1160.5	1140.1	1121.7	1105.2	1082.8	1054.7
12.5°	1391.7	1388.7	1369.3	1354.7	1333.4	1294.5	1259.6	1218.8	1170.2	1131.4	1094.5
15°	1484.9	1486.8	1478.1	1466.4	1452.8	1420.8	1385.8	1338.2	1280.9	1213.0	1152.8
17.5°	1501.4	1504.3	1499.4	1494.6	1490.7	1472.3	1450.9	1416.9	1364.5	1301.3	1212.0
20°	1487.8	1493.6	1494.6	1500.4	1508.2	1500.4	1482.9	1459.6	1415.9	1349.9	1264.4
22.5°	1457.7	1468.4	1476.1	1496.5	1516.9	1516.9	1506.2	1487.8	1445.1	1380.0	1292.6
25°	1455.7	1457.7	1460.6	1493.6	1525.7	1532.5	1522.8	1503.3	1456.7	1386.8	1291.6
27.5°	1504.3	1491.7	1472.3	1505.3	1543.2	1549.0	1535.4	1509.2	1453.8	1371.3	1258.6
30°	1603.4	1575.2	1534.4	1558.7	1584.9	1578.1	1550.9	1509.2	1434.4	1331.4	1196.5
32.5°	1641.2	1625.7	1611.1	1637.4	1642.2	1614.0	1565.5	1503.3	1403.3	1275.1	1094.5
35°	1669.4	1670.4	1664.5	1669.4	1646.1	1606.3	1552.9	1471.3	1345.0	1174.1	959.5
37.5°	1679.1	1681.1	1668.4	1650.9	1616.0	1570.3	1506.2	1413.0	1247.9	1035.2	755.6
40°	1649.0	1643.2	1622.8	1598.5	1560.6	1514.0	1444.1	1305.2	1103.2	826.4	589.5
42.5°	1595.6	1585.9	1561.6	1532.5	1492.7	1433.4	1321.7	1153.7	896.4	644.8	412.7
45°	1488.8	1482.0	1451.9	1430.5	1382.9	1306.2	1162.5	950.8	693.4	466.2	238.9
47.5°	1156.6	1157.6	1180.9	1191.6	1175.1	1113.9	944.9	722.5	506.0	277.7	80.6
50°	1035.2	1030.4	1007.1	975.0	921.6	830.3	693.4	510.8	299.1	90.3	11.7
52.5°	785.7	785.7	774.0	757.5	701.2	612.8	469.1	282.6	104.9	15.5	2.9
55°	338.9	321.4	331.2	349.6	335.0	291.3	219.5	84.5	18.5	2.9	2.9
57.5°	4.9	11.7	17.5	28.2	37.9	45.6	24.3	8.7	2.9	2.9	2.9
60°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	1.9	1.9	1.9	2.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	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	1.0	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	793.4	776.9	749.7	667.2	581.7	503.1	446.7	425.4
5°	889.6	859.5	813.8	644.8	474.9	331.2	249.6	217.5
7.5°	965.3	926.5	860.4	606.0	348.6	176.7	105.9	83.5
10°	1015.8	973.1	886.7	548.7	231.1	82.5	39.8	33.0
12.5°	1052.7	999.3	896.4	474.9	136.0	37.9	21.4	19.4
15°	1079.9	1011.0	884.7	384.6	74.8	22.3	17.5	17.5
17.5°	1117.8	1016.8	856.6	283.6	42.7	16.5	16.5	16.5
20°	1146.9	1016.8	803.1	193.3	26.2	14.6	14.6	14.6
22.5°	1161.5	1001.3	738.1	122.4	18.5	13.6	14.6	14.6
25°	1146.9	963.4	654.6	74.8	14.6	12.6	13.6	14.6
27.5°	1093.5	887.6	542.9	47.6	11.7	12.6	13.6	14.6
30°	1004.2	777.9	416.6	31.1	10.7	12.6	13.6	14.6
32.5°	877.9	614.7	270.0	20.4	9.7	12.6	13.6	14.6
35°	685.6	435.1	163.2	12.6	9.7	12.6	14.6	15.5
37.5°	513.7	290.4	88.4	7.8	9.7	12.6	14.6	15.5
40°	356.4	169.0	37.9	6.8	9.7	13.6	15.5	15.5
42.5°	206.9	67.0	9.7	5.8	9.7	13.6	15.5	16.5
45°	75.7	13.6	2.9	5.8	10.7	13.6	15.5	17.5
47.5°	10.7	2.9	2.9	5.8	10.7	13.6	16.5	17.5
50°	2.9	2.9	2.9	5.8	10.7	14.6	17.5	18.5
52.5°	2.9	2.9	2.9	5.8	10.7	14.6	17.5	18.5
55°	2.9	2.9	2.9	5.8	10.7	14.6	17.5	18.5
57.5°	2.9	2.9	2.9	5.8	10.7	14.6	17.5	18.5
60°	2.9	2.9	2.9	5.8	9.7	14.6	17.5	18.5
62.5°	2.9	2.9	2.9	5.8	9.7	13.6	16.5	17.5
65°	2.9	2.9	2.9	5.8	8.7	12.6	16.5	16.5
67.5°	2.9	2.9	2.9	4.9	8.7	12.6	15.5	16.5
70°	2.9	2.9	2.9	4.9	7.8	11.7	14.6	15.5
72.5°	2.9	2.9	2.9	3.9	6.8	10.7	13.6	14.6
75°	1.9	2.9	2.9	3.9	6.8	9.7	12.6	13.6
77.5°	1.9	2.9	2.9	2.9	5.8	7.8	10.7	11.7
80°	1.9	1.9	2.9	2.9	4.9	6.8	8.7	9.7
82.5°	1.9	1.9	1.9	2.9	3.9	4.9	6.8	6.8
85°	1.9	1.9	1.9	1.9	2.9	3.9	4.9	4.9
87.5°	1.0	1.0	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)