

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: P1311369

Luminaire Tested: LDSQA3D09R559040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311369  
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: LDSQA3D09R559040DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

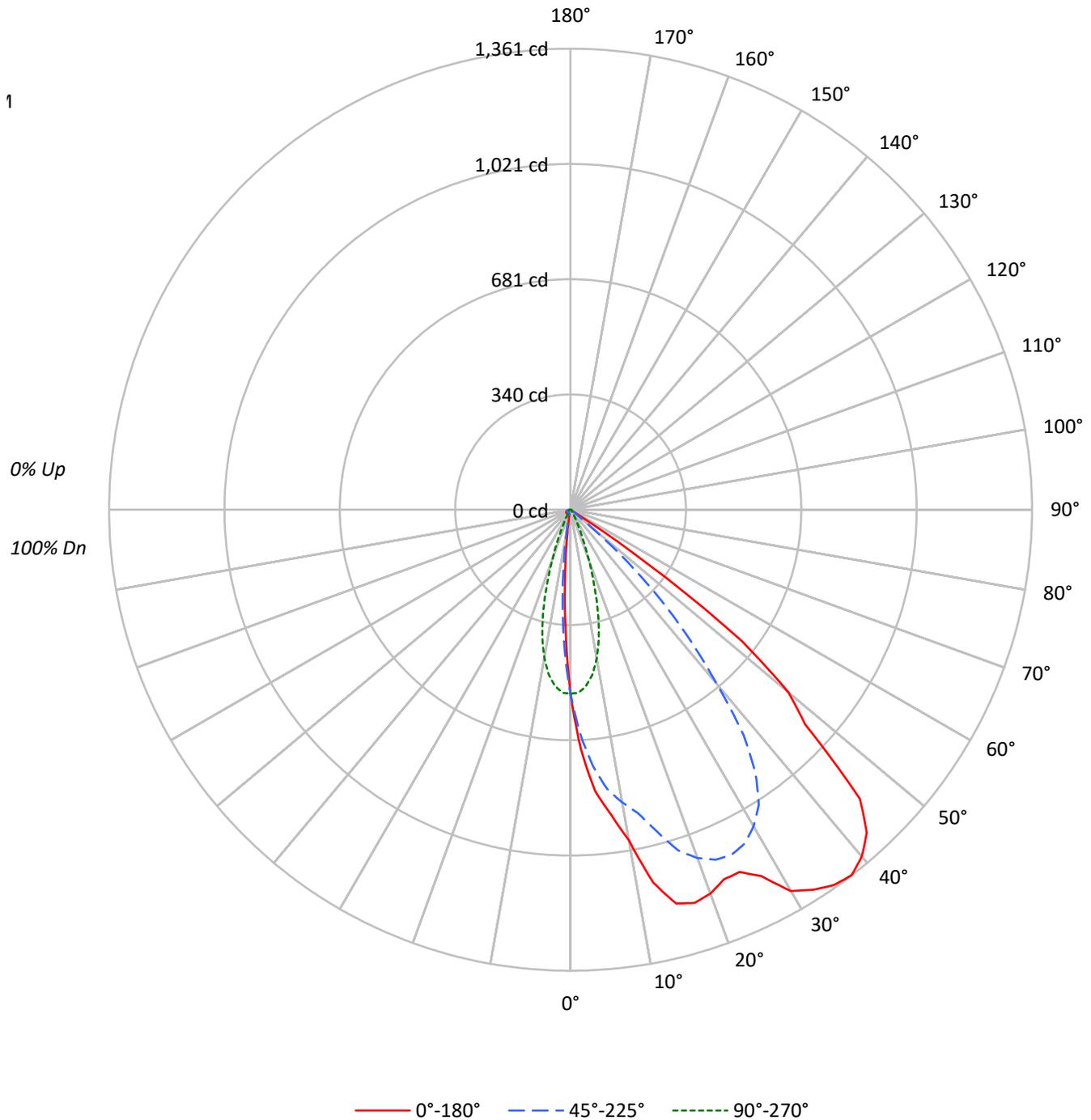
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 906.1 lumens  
Efficiency: N/A  
Efficacy: 81.6 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): 11.1  
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	100	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	93517	93517	93517	93517	93517
5°	144217	131285	90347	46401	30479
10°	173271	153457	77769	11699	4687
15°	214546	175267	55558	3227	2532
20°	220975	200485	28701	2163	2163
25°	224174	213552	11516	1938	2242
30°	258386	214576	5011	2028	2347
35°	284419	200048	2144	2144	2649
40°	300428	150562	1237	2473	2833
45°	293855	92017	1145	2679	3459
50°	224767	19613	1259	3162	4019
55°	82482	721	1411	3543	4504
60°	827	827	1619	4064	5167
65°	978	978	1915	4157	5461
70°	806	1209	1964	4733	6345
75°	532	1065	2063	5257	7320
80°	793	1587	2380	5455	7835
85°	0	1581	3162	6126	7707

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 293855 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	5.3
10°-20°	136.9	15.1
20°-30°	210.0	23.2
30°-40°	244.7	27.0
40°-50°	195.6	21.6
50°-60°	57.9	6.4
60°-70°	6.2	0.7
70°-80°	4.9	0.5
80°-90°	2.1	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°	394.7	43.6
0°-40°	639.4	70.6
0°-60°	892.9	98.5
0°-90°	906.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	543	543	543	543	543	
5°	834	759	523	268	176	83
15°	1203	983	312	18	14	332
25°	1180	1124	61	10	12	560
35°	1353	952	10	10	13	843
45°	1206	378	5	11	14	870
55°	275	2	5	12	15	291
65°	2	2	5	10	13	2
75°	1	2	3	8	11	1
85°	0	1	2	3	4	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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	708.3	708.3	705.9	706.7	705.1	696.5	694.9	683.9	674.5	664.2	655.6
5°	834.2	835.8	833.4	828.7	822.4	816.1	802.7	792.5	779.1	759.4	741.3
7.5°	905.8	904.3	900.3	898.7	894.8	887.7	878.3	867.3	851.5	831.9	810.6
10°	990.8	977.4	973.5	967.2	954.6	940.5	923.9	909.0	895.6	877.5	854.7
12.5°	1127.8	1125.4	1109.7	1097.9	1080.5	1049.1	1020.7	987.7	948.3	916.8	886.9
15°	1203.3	1204.9	1197.8	1188.4	1177.3	1151.4	1123.0	1084.5	1038.0	983.0	934.2
17.5°	1216.7	1219.1	1215.1	1211.2	1208.0	1193.1	1175.8	1148.2	1105.7	1054.6	982.2
20°	1205.7	1210.4	1211.2	1215.9	1222.2	1215.9	1201.7	1182.9	1147.4	1093.9	1024.7
22.5°	1181.3	1189.9	1196.2	1212.8	1229.3	1229.3	1220.6	1205.7	1171.0	1118.3	1047.5
25°	1179.7	1181.3	1183.6	1210.4	1236.4	1241.9	1234.0	1218.3	1180.5	1123.8	1046.7
27.5°	1219.1	1208.8	1193.1	1219.8	1250.5	1255.3	1244.2	1223.0	1178.1	1111.2	1019.9
30°	1299.3	1276.5	1243.4	1263.1	1284.4	1278.9	1256.8	1223.0	1162.4	1079.0	969.6
32.5°	1330.0	1317.4	1305.6	1326.9	1330.8	1308.0	1268.6	1218.3	1137.2	1033.3	886.9
35°	1352.8	1353.6	1348.9	1352.8	1334.0	1301.7	1258.4	1192.3	1090.0	951.5	777.5
37.5°	1360.7	1362.3	1352.1	1337.9	1309.6	1272.6	1220.6	1145.1	1011.3	838.9	612.3
40°	1336.3	1331.6	1315.1	1295.4	1264.7	1226.9	1170.3	1057.7	894.0	669.7	477.7
42.5°	1293.0	1285.2	1265.5	1241.9	1209.6	1161.6	1071.1	934.9	726.4	522.6	334.5
45°	1206.5	1201.0	1176.6	1159.2	1120.7	1058.5	942.0	770.5	561.9	377.8	193.6
47.5°	937.3	938.1	957.0	965.6	952.3	902.7	765.7	585.5	410.0	225.1	65.3
50°	838.9	835.0	816.1	790.1	746.9	672.9	561.9	414.0	242.4	73.2	9.4
52.5°	636.7	636.7	627.2	613.9	568.2	496.6	380.1	229.0	85.0	12.6	2.4
55°	274.7	260.5	268.4	283.3	271.5	236.1	177.9	68.5	15.0	2.4	2.4
57.5°	3.9	9.4	14.2	22.8	30.7	37.0	19.7	7.1	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
67.5°	1.6	1.6	1.6	2.4	1.6	2.4	2.4	2.4	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	643.0	629.6	607.6	540.7	471.4	407.7	362.0	344.7
5°	720.9	696.5	659.5	522.6	384.8	268.4	202.3	176.3
7.5°	782.3	750.8	697.3	491.1	282.5	143.2	85.8	67.7
10°	823.2	788.6	718.5	444.7	187.3	66.9	32.3	26.8
12.5°	853.1	809.8	726.4	384.8	110.2	30.7	17.3	15.7
15°	875.1	819.3	717.0	311.6	60.6	18.1	14.2	14.2
17.5°	905.8	824.0	694.1	229.8	34.6	13.4	13.4	13.4
20°	929.4	824.0	650.8	156.6	21.2	11.8	11.8	11.8
22.5°	941.2	811.4	598.1	99.2	15.0	11.0	11.8	11.8
25°	929.4	780.7	530.4	60.6	11.8	10.2	11.0	11.8
27.5°	886.2	719.3	439.9	38.6	9.4	10.2	11.0	11.8
30°	813.8	630.4	337.6	25.2	8.7	10.2	11.0	11.8
32.5°	711.4	498.2	218.8	16.5	7.9	10.2	11.0	11.8
35°	555.6	352.6	132.2	10.2	7.9	10.2	11.8	12.6
37.5°	416.3	235.3	71.6	6.3	7.9	10.2	11.8	12.6
40°	288.8	136.9	30.7	5.5	7.9	11.0	12.6	12.6
42.5°	167.6	54.3	7.9	4.7	7.9	11.0	12.6	13.4
45°	61.4	11.0	2.4	4.7	8.7	11.0	12.6	14.2
47.5°	8.7	2.4	2.4	4.7	8.7	11.0	13.4	14.2
50°	2.4	2.4	2.4	4.7	8.7	11.8	14.2	15.0
52.5°	2.4	2.4	2.4	4.7	8.7	11.8	14.2	15.0
55°	2.4	2.4	2.4	4.7	8.7	11.8	14.2	15.0
57.5°	2.4	2.4	2.4	4.7	8.7	11.8	14.2	15.0
60°	2.4	2.4	2.4	4.7	7.9	11.8	14.2	15.0
62.5°	2.4	2.4	2.4	4.7	7.9	11.0	13.4	14.2
65°	2.4	2.4	2.4	4.7	7.1	10.2	13.4	13.4
67.5°	2.4	2.4	2.4	3.9	7.1	10.2	12.6	13.4
70°	2.4	2.4	2.4	3.9	6.3	9.4	11.8	12.6
72.5°	2.4	2.4	2.4	3.1	5.5	8.7	11.0	11.8
75°	1.6	2.4	2.4	3.1	5.5	7.9	10.2	11.0
77.5°	1.6	2.4	2.4	2.4	4.7	6.3	8.7	9.4
80°	1.6	1.6	2.4	2.4	3.9	5.5	7.1	7.9
82.5°	1.6	1.6	1.6	2.4	3.1	3.9	5.5	5.5
85°	1.6	1.6	1.6	1.6	2.4	3.1	3.9	3.9
87.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)