

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: P1310427

Luminaire Tested: LDSQA3D13R609035DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609035DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

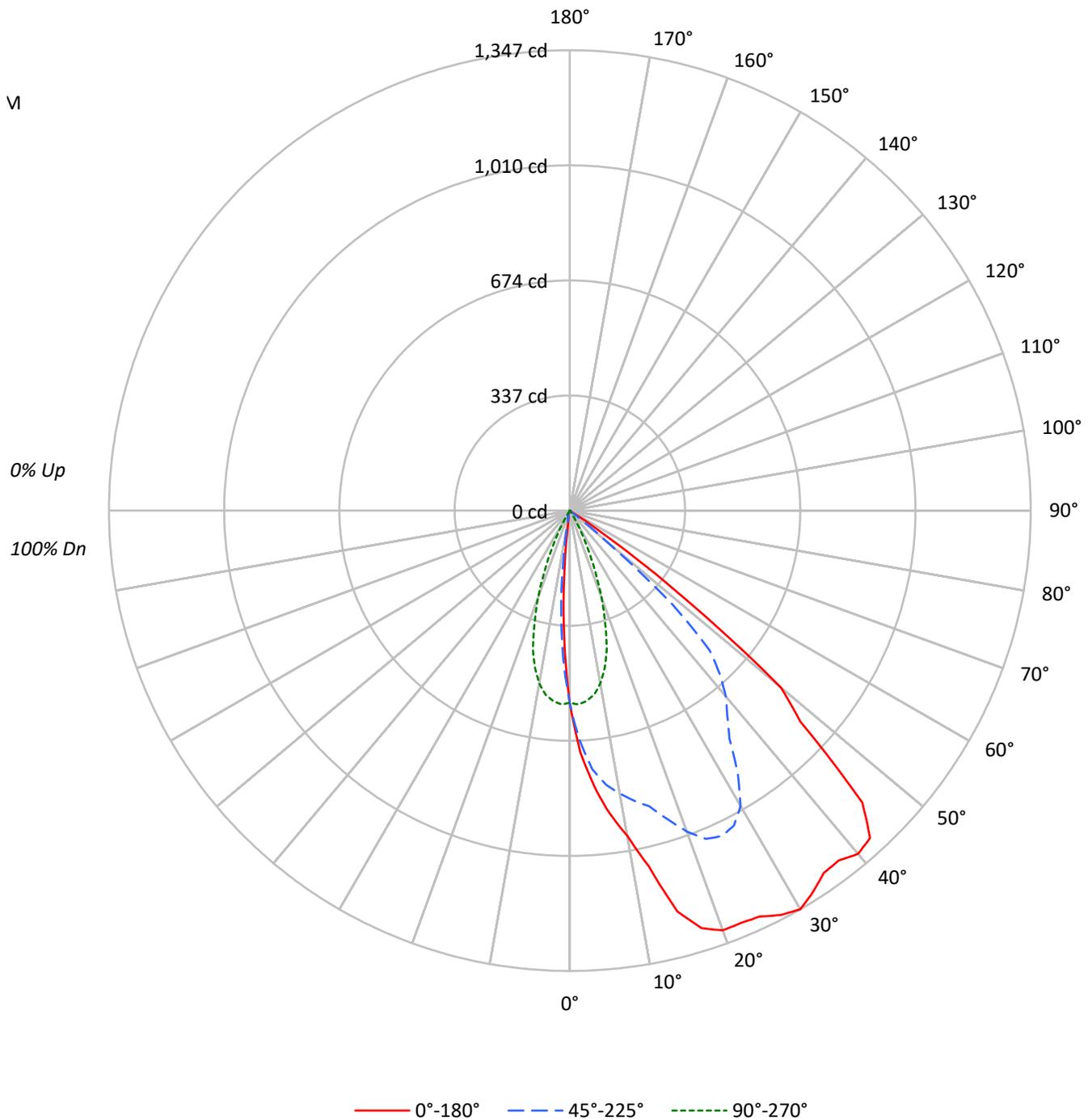
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 914.0 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	96858	96858	96858	96858	96858
5°	139601	131476	96692	49824	32000
10°	168864	146986	89766	5946	3498
15°	216418	159684	74404	3923	3209
20°	239504	183019	49888	2199	367
25°	249087	199661	24532	190	0
30°	267832	198388	6761	0	0
35°	272015	170824	0	0	0
40°	294695	159263	0	0	0
45°	294415	140631	0	0	0
50°	215550	34054	0	0	0
55°	42067	0	0	0	0
60°	0	0	0	0	0
65°	0	408	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	992	992	0
85°	0	1976	1976	1976	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 294902 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	5.3
10°-20°	137.5	15.0
20°-30°	219.2	24.0
30°-40°	253.3	27.7
40°-50°	201.2	22.0
50°-60°	53.0	5.8
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.6	0.1
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°	405.0	44.3
0°-40°	658.3	72.0
0°-60°	912.5	99.8
0°-90°	914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	562	562	562	562	562	
5°	808	760	559	288	185	82
15°	1214	896	417	22	18	338
25°	1311	1051	129	1	0	611
35°	1294	812	0	0	0	822
45°	1209	577	0	0	0	861
55°	140	0	0	0	0	211
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4
2.5°	707.4	714.4	711.4	708.4	701.4	698.4	698.4	690.4	677.4	675.4	666.4
5°	807.5	809.5	809.5	807.5	802.5	794.5	792.5	784.5	772.5	760.5	748.5
7.5°	894.6	893.6	887.6	883.6	874.5	863.5	853.5	842.5	824.5	808.5	791.5
10°	965.6	968.6	963.6	953.6	941.6	926.6	910.6	891.6	864.5	840.5	818.5
12.5°	1065.7	1064.7	1051.7	1034.6	1005.6	977.6	952.6	931.6	898.6	869.5	842.5
15°	1213.8	1211.8	1199.7	1184.7	1142.7	1100.7	1057.7	998.6	943.6	895.6	857.5
17.5°	1280.8	1284.8	1274.8	1266.8	1242.8	1214.8	1176.7	1117.7	1032.6	945.6	865.5
20°	1306.8	1311.8	1304.8	1303.8	1292.8	1279.8	1248.8	1184.7	1101.7	998.6	899.6
22.5°	1305.8	1309.8	1306.8	1319.8	1332.8	1325.8	1287.8	1223.8	1138.7	1039.6	927.6
25°	1310.8	1307.8	1296.8	1315.8	1334.8	1328.8	1309.8	1254.8	1161.7	1050.7	937.6
27.5°	1333.8	1311.8	1289.8	1313.8	1322.8	1324.8	1313.8	1248.8	1157.7	1038.6	917.6
30°	1346.8	1322.8	1304.8	1324.8	1324.8	1335.8	1312.8	1238.8	1123.7	997.6	864.5
32.5°	1322.8	1317.8	1333.8	1353.8	1358.8	1358.8	1307.8	1205.8	1066.7	913.6	779.5
35°	1293.8	1305.8	1351.8	1360.8	1360.8	1338.8	1276.8	1147.7	981.6	812.5	716.4
37.5°	1290.8	1309.8	1360.8	1349.8	1331.8	1290.8	1200.7	1046.7	860.5	755.5	669.4
40°	1310.8	1328.8	1358.8	1318.8	1275.8	1211.8	1103.7	914.6	787.5	708.4	612.4
42.5°	1298.8	1315.8	1316.8	1257.8	1196.7	1109.7	966.6	807.5	734.5	648.4	547.3
45°	1208.8	1210.8	1206.8	1143.7	1080.7	990.6	838.5	754.5	676.4	577.4	402.3
47.5°	913.6	909.6	924.6	906.6	909.6	855.5	761.5	692.4	599.4	405.3	122.1
50°	804.5	799.5	784.5	768.5	752.5	726.5	682.4	608.4	432.3	127.1	4.0
52.5°	431.3	455.3	502.3	574.4	601.4	599.4	566.4	450.3	136.1	1.0	0.0
55°	140.1	138.1	154.1	182.1	250.2	288.2	300.2	153.1	3.0	0.0	0.0
57.5°	0.0	0.0	0.0	3.0	10.0	26.0	34.0	2.0	0.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4
2.5°	654.4	640.4	624.4	567.4	500.3	435.3	388.2	376.2
5°	729.5	705.4	671.4	559.3	413.3	288.2	206.1	185.1
7.5°	768.5	747.5	711.4	543.3	320.2	142.1	53.0	36.0
10°	792.5	767.5	727.5	513.3	209.1	34.0	19.0	20.0
12.5°	809.5	780.5	735.5	470.3	106.1	17.0	24.0	25.0
15°	816.5	785.5	734.5	417.3	38.0	22.0	21.0	18.0
17.5°	812.5	773.5	721.5	341.2	13.0	21.0	11.0	9.0
20°	807.5	763.5	700.4	272.2	11.0	12.0	4.0	2.0
22.5°	823.5	746.5	671.4	195.1	11.0	4.0	0.0	0.0
25°	825.5	739.5	634.4	129.1	5.0	1.0	0.0	0.0
27.5°	805.5	698.4	577.4	76.0	0.0	0.0	0.0	0.0
30°	741.5	647.4	516.3	34.0	0.0	0.0	0.0	0.0
32.5°	678.4	590.4	448.3	8.0	0.0	0.0	0.0	0.0
35°	628.4	531.3	373.2	0.0	0.0	0.0	0.0	0.0
37.5°	566.4	461.3	278.2	0.0	0.0	0.0	0.0	0.0
40°	501.3	372.2	139.1	0.0	0.0	0.0	0.0	0.0
42.5°	391.2	177.1	14.0	0.0	0.0	0.0	0.0	0.0
45°	150.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
65°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
67.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
70°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)