

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: P1309309

Luminaire Tested: LDSQA3D13R609030DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309309  
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: LDSQA3D13R609030DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

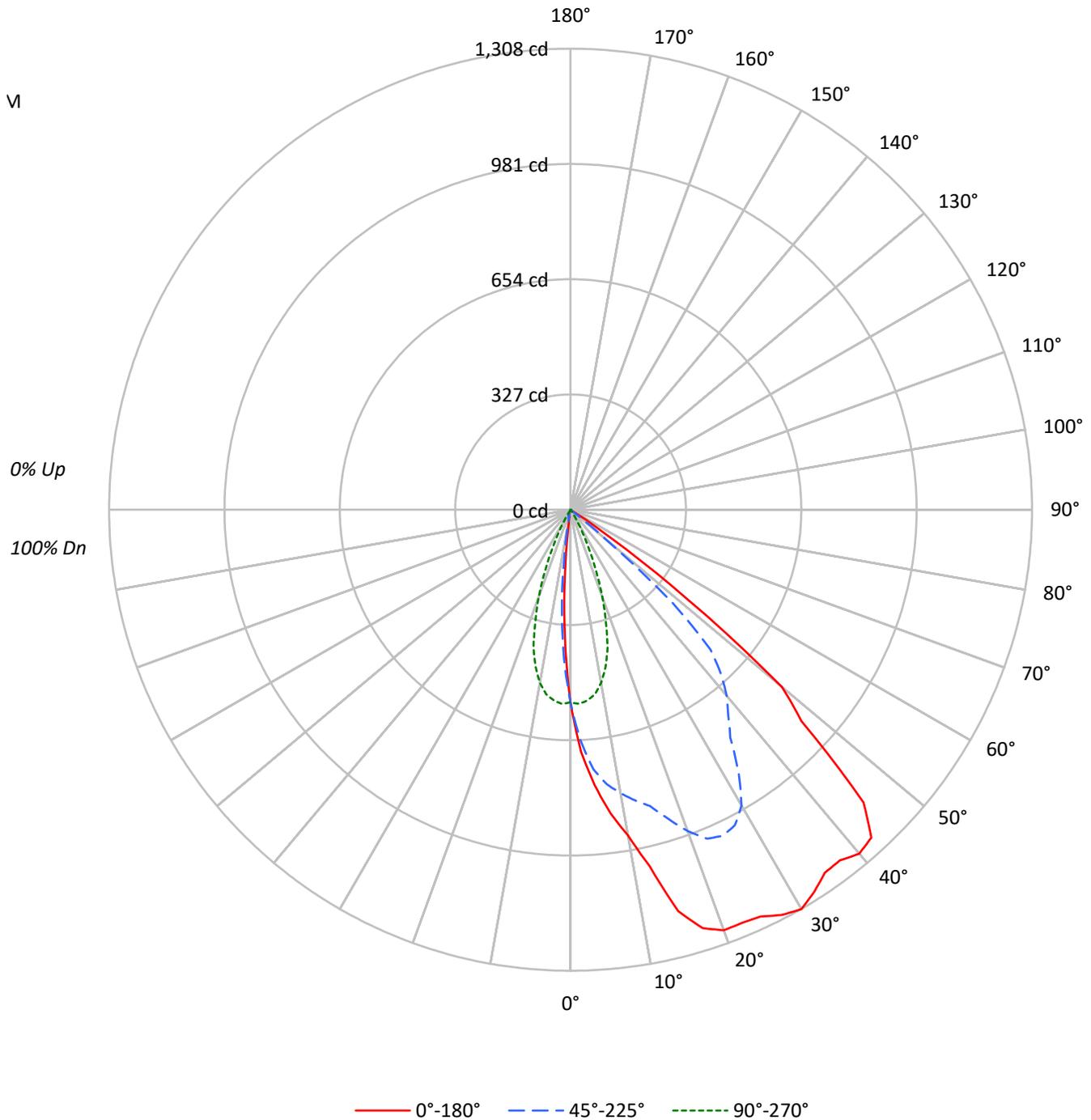
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 888.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 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 (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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

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

	0°	45°	90°	135°	180°
0°	94102	94102	94102	94102	94102
5°	135625	127724	93943	48407	31084
10°	164054	142807	87212	5789	3393
15°	210249	155137	72282	3816	3120
20°	232687	177814	48458	2144	348
25°	241999	193979	23829	190	0
30°	260216	192741	6582	0	0
35°	264278	165967	0	0	0
40°	286309	154744	0	0	0
45°	286036	136613	0	0	0
50°	209415	33089	0	0	0
55°	40866	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: 286499 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.9	5.3
10°-20°	133.6	15.0
20°-30°	212.9	24.0
30°-40°	246.1	27.7
40°-50°	195.5	22.0
50°-60°	51.4	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°	393.5	44.3
0°-40°	639.6	72.0
0°-60°	886.5	99.8
0°-90°	888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	546	546	546	546	546	
5°	784	739	543	280	180	79
15°	1179	870	405	21	18	329
25°	1274	1021	125	1	0	594
35°	1257	789	0	0	0	798
45°	1174	561	0	0	0	836
55°	136	0	0	0	0	205
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°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	687.3	694.1	691.2	688.3	681.5	678.6	678.6	670.8	658.2	656.2	647.5
5°	784.5	786.5	786.5	784.5	779.7	771.9	770.0	762.2	750.5	738.8	727.2
7.5°	869.1	868.1	862.3	858.4	849.7	839.0	829.3	818.6	801.1	785.5	769.0
10°	938.1	941.1	936.2	926.5	914.8	900.2	884.7	866.2	839.9	816.6	795.2
12.5°	1035.4	1034.4	1021.7	1005.2	977.0	949.8	925.5	905.1	873.0	844.8	818.6
15°	1179.2	1177.3	1165.6	1151.0	1110.2	1069.4	1027.6	970.2	916.7	870.1	833.1
17.5°	1244.4	1248.3	1238.5	1230.8	1207.4	1180.2	1143.3	1085.9	1003.3	918.7	840.9
20°	1269.6	1274.5	1267.7	1266.7	1256.0	1243.4	1213.3	1151.0	1070.3	970.2	874.0
22.5°	1268.7	1272.6	1269.6	1282.3	1294.9	1288.1	1251.2	1189.0	1106.3	1010.1	901.2
25°	1273.5	1270.6	1259.9	1278.4	1296.9	1291.0	1272.6	1219.1	1128.7	1020.8	910.9
27.5°	1295.9	1274.5	1253.1	1276.4	1285.2	1287.1	1276.4	1213.3	1124.8	1009.1	891.5
30°	1308.5	1285.2	1267.7	1287.1	1287.1	1297.8	1275.5	1203.5	1091.7	969.2	839.9
32.5°	1285.2	1280.3	1295.9	1315.3	1320.2	1320.2	1270.6	1171.5	1036.3	887.6	757.3
35°	1257.0	1268.7	1313.4	1322.1	1322.1	1300.8	1240.5	1115.1	953.7	789.4	696.1
37.5°	1254.1	1272.6	1322.1	1311.4	1293.9	1254.1	1166.6	1016.9	836.1	734.0	650.4
40°	1273.5	1291.0	1320.2	1281.3	1239.5	1177.3	1072.3	888.6	765.1	688.3	595.0
42.5°	1261.9	1278.4	1279.4	1222.0	1162.7	1078.1	939.1	784.5	713.6	630.0	531.8
45°	1174.4	1176.3	1172.4	1111.2	1049.9	962.4	814.7	733.0	657.2	560.9	390.8
47.5°	887.6	883.7	898.3	880.8	883.7	831.2	739.8	672.7	582.3	393.7	118.6
50°	781.6	776.8	762.2	746.6	731.1	705.8	663.0	591.1	420.0	123.5	3.9
52.5°	419.0	442.3	488.0	558.0	584.3	582.3	550.2	437.5	132.2	1.0	0.0
55°	136.1	134.2	149.7	176.9	243.0	280.0	291.6	148.7	2.9	0.0	0.0
57.5°	0.0	0.0	0.0	2.9	9.7	25.3	33.1	1.9	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	1.0	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°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	635.8	622.2	606.6	551.2	486.1	422.9	377.2	365.5
5°	708.7	685.4	652.3	543.4	401.5	280.0	200.3	179.8
7.5°	746.6	726.2	691.2	527.9	311.1	138.0	51.5	35.0
10°	770.0	745.6	706.8	498.7	203.2	33.1	18.5	19.4
12.5°	786.5	758.3	714.5	456.9	103.0	16.5	23.3	24.3
15°	793.3	763.1	713.6	405.4	36.9	21.4	20.4	17.5
17.5°	789.4	751.5	700.9	331.5	12.6	20.4	10.7	8.7
20°	784.5	741.8	680.5	264.4	10.7	11.7	3.9	1.9
22.5°	800.1	725.2	652.3	189.6	10.7	3.9	0.0	0.0
25°	802.0	718.4	616.3	125.4	4.9	1.0	0.0	0.0
27.5°	782.6	678.6	560.9	73.9	0.0	0.0	0.0	0.0
30°	720.4	629.0	501.6	33.1	0.0	0.0	0.0	0.0
32.5°	659.1	573.6	435.5	7.8	0.0	0.0	0.0	0.0
35°	610.5	516.2	362.6	0.0	0.0	0.0	0.0	0.0
37.5°	550.2	448.2	270.3	0.0	0.0	0.0	0.0	0.0
40°	487.1	361.6	135.1	0.0	0.0	0.0	0.0	0.0
42.5°	380.1	172.1	13.6	0.0	0.0	0.0	0.0	0.0
45°	145.8	15.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7.8	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)