

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: P1323980

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

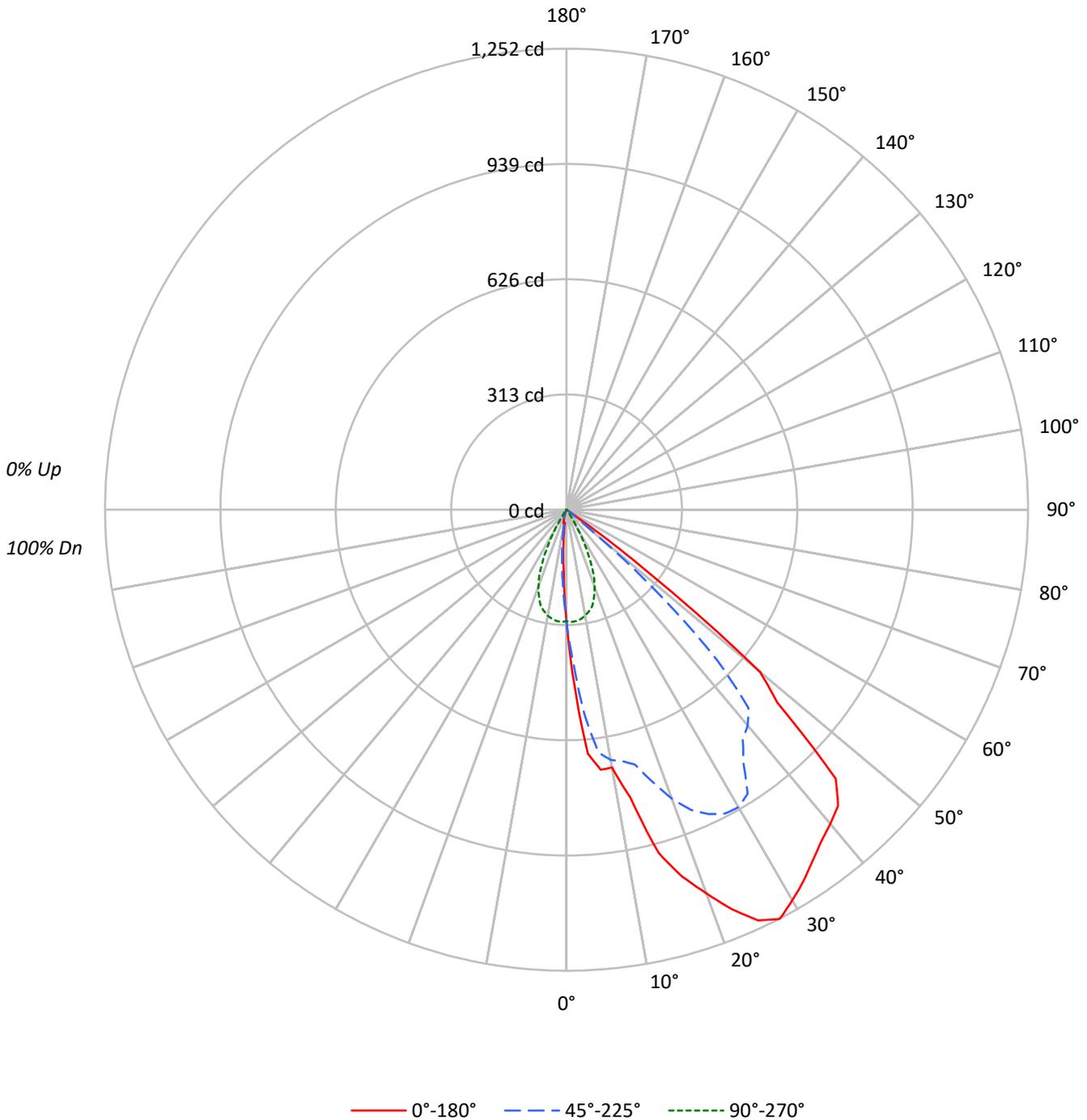
Test Method: LM-79-2019  
Report Number: P1323980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 815.1 lumens  
Efficiency: N/A  
Efficacy: 40.6 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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	101	99	99	97	96	96	94	93	91	91	91	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82	82	82	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73	73	73	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
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	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53	53	53	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48	48	48	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39	39	39	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36	36	36

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

	0°	45°	90°	135°	180°
0°	52097	52097	52097	52097	52097
5°	114931	96433	52487	23858	15715
10°	124304	120684	51082	6645	6838
15°	172040	127751	48194	6775	4921
20°	203198	153035	40889	4014	1485
25°	233847	173304	28846	665	0
30°	243590	185482	13264	0	0
35°	244704	175786	736	0	0
40°	250293	171943	0	0	0
45°	251548	140899	0	0	0
50°	183667	29285	0	0	0
55°	10359	0	0	0	0
60°	0	413	413	0	0
65°	0	0	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 256298 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.1	4.1
10°-20°	110.5	13.6
20°-30°	198.6	24.4
30°-40°	241.5	29.6
40°-50°	186.4	22.9
50°-60°	43.4	5.3
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.7	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°	342.2	42.0
0°-40°	583.7	71.6
0°-60°	813.5	99.8
0°-90°	815.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	302	302	302	302	302	
5°	665	558	304	138	91	63
15°	965	716	270	38	28	270
25°	1231	912	152	4	0	560
35°	1164	836	4	0	0	731
45°	1033	578	0	0	0	730
55°	34	0	0	0	0	142
65°	0	0	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°	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5
2.5°	471.5	471.5	473.8	472.7	462.3	457.7	442.8	434.7	432.4	414.0	407.1
5°	664.8	665.9	660.2	659.0	647.5	639.5	626.8	607.3	587.7	557.8	531.3
7.5°	711.9	710.8	709.6	709.6	707.3	702.7	697.0	691.2	683.2	664.8	644.1
10°	710.8	710.8	709.6	709.6	708.5	709.6	708.5	705.0	701.6	690.1	678.6
12.5°	800.5	793.6	784.4	770.6	747.6	730.3	710.8	705.0	702.7	699.3	692.4
15°	964.9	959.2	939.6	915.5	892.5	853.4	822.3	779.8	746.4	716.5	701.6
17.5°	1044.3	1047.7	1025.9	1010.9	989.1	958.0	921.2	877.5	830.4	774.0	729.2
20°	1108.7	1112.1	1093.7	1078.8	1053.5	1021.3	989.1	941.9	897.1	835.0	776.3
22.5°	1174.2	1176.5	1159.3	1137.4	1108.7	1075.3	1033.9	985.6	937.3	882.1	820.0
25°	1230.6	1228.3	1199.5	1168.5	1140.9	1105.2	1065.0	1017.8	971.8	912.0	853.4
27.5°	1252.5	1251.3	1219.1	1189.2	1157.0	1108.7	1073.0	1031.6	983.3	930.4	870.6
30°	1224.9	1243.3	1222.6	1200.7	1161.6	1113.3	1078.8	1029.3	984.5	932.7	864.9
32.5°	1196.1	1219.1	1212.2	1201.8	1155.8	1117.9	1073.0	1027.0	974.1	914.3	810.8
35°	1163.9	1188.0	1189.2	1177.7	1136.3	1098.3	1056.9	1008.6	948.8	836.1	760.2
37.5°	1135.1	1158.1	1165.0	1140.9	1108.7	1058.1	1020.1	969.5	861.4	785.5	746.4
40°	1113.3	1130.5	1140.9	1102.9	1070.7	1021.3	977.6	889.0	791.3	764.8	709.6
42.5°	1090.3	1106.4	1111.0	1069.6	1020.1	973.0	909.7	798.2	769.4	730.3	581.9
45°	1032.8	1052.3	1040.8	1000.6	963.8	914.3	820.0	771.7	740.7	578.5	357.7
47.5°	775.2	797.0	828.1	839.6	852.2	816.6	764.8	747.6	608.4	350.8	111.6
50°	685.5	682.0	682.0	687.8	698.1	709.6	724.6	630.3	365.7	109.3	0.0
52.5°	279.5	293.3	361.1	422.1	492.2	562.4	584.2	386.4	142.6	2.3	0.0
55°	34.5	34.5	48.3	82.8	136.9	220.8	248.4	124.2	10.4	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	9.2	25.3	17.3	4.6	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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°	302.5	302.5	302.5	302.5	302.5	302.5	302.5	302.5
2.5°	395.6	381.8	362.3	304.8	255.3	211.6	186.3	173.7
5°	506.0	472.7	427.8	303.6	207.0	138.0	103.5	90.9
7.5°	611.9	573.9	498.0	299.0	158.7	80.5	44.9	35.7
10°	657.9	630.3	562.4	292.1	115.0	38.0	38.0	39.1
12.5°	676.3	655.6	600.3	281.8	75.9	36.8	39.1	36.8
15°	688.9	669.4	618.8	270.3	43.7	38.0	31.1	27.6
17.5°	695.8	672.8	624.5	248.4	28.8	32.2	19.6	16.1
20°	717.7	680.9	629.1	223.1	27.6	21.9	10.4	8.1
22.5°	754.5	697.0	630.3	192.1	21.9	12.7	3.5	0.0
25°	787.8	718.8	633.7	151.8	6.9	3.5	0.0	0.0
27.5°	803.9	725.7	632.6	107.0	0.0	0.0	0.0	0.0
30°	784.4	708.5	622.2	66.7	0.0	0.0	0.0	0.0
32.5°	738.4	695.8	590.0	28.8	0.0	0.0	0.0	0.0
35°	723.4	668.2	516.4	3.5	0.0	0.0	0.0	0.0
37.5°	690.1	588.8	379.5	0.0	0.0	0.0	0.0	0.0
40°	593.4	425.5	180.6	0.0	0.0	0.0	0.0	0.0
42.5°	392.2	181.7	10.4	0.0	0.0	0.0	0.0	0.0
45°	138.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.3	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°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
70°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)