

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: P1323981

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

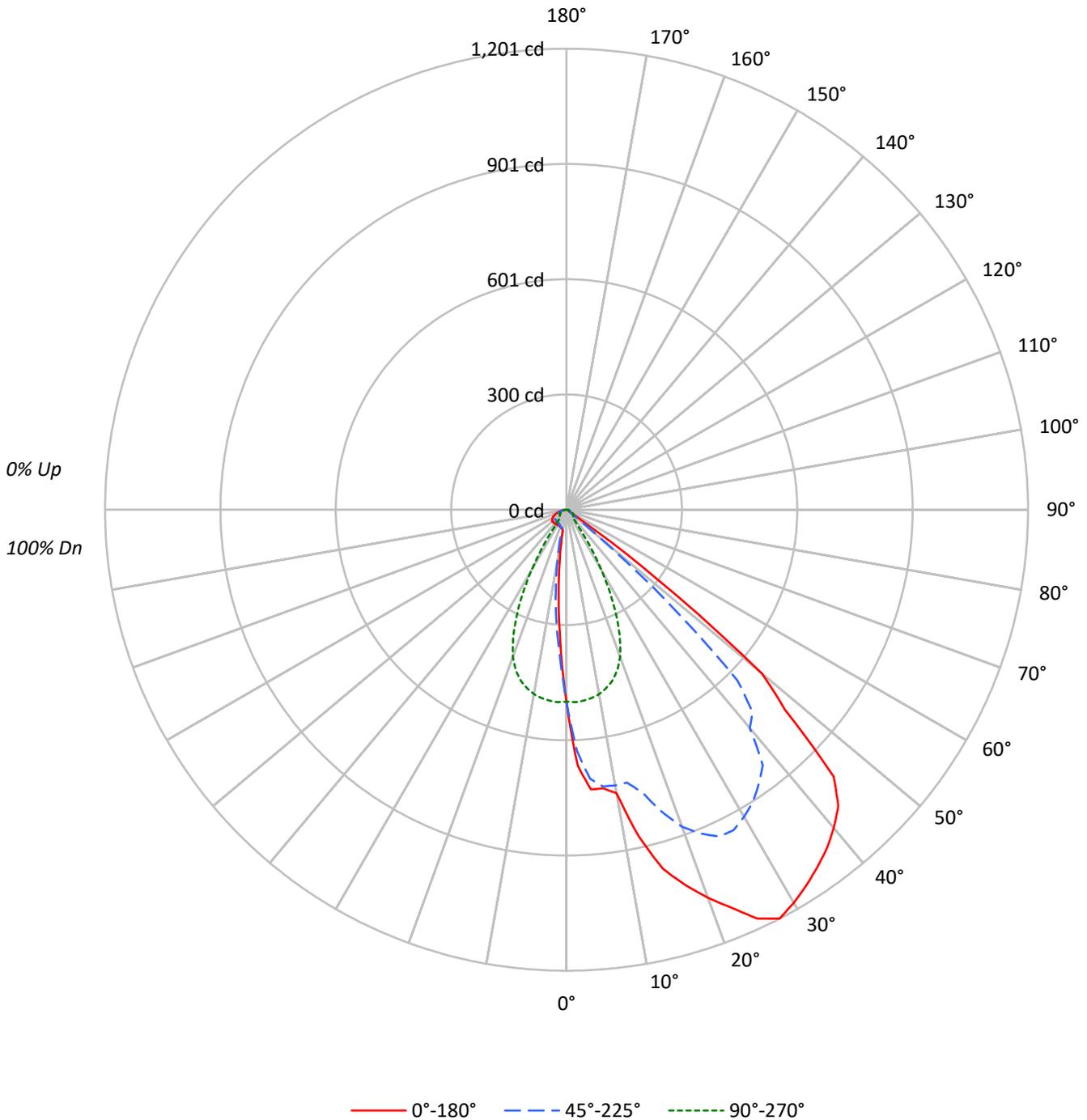
Test Method: LM-79-2019  
Report Number: P1323981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 949.0 lumens  
Efficiency: N/A  
Efficacy: 47.2 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39  
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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

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

	0°	45°	90°	135°	180°
0°	86042	86042	86042	86042	86042
5°	126410	121570	86371	51570	40402
10°	131072	127487	85306	24675	9986
15°	172610	135934	82178	8826	8647
20°	197149	161044	74795	8486	8687
25°	223243	178435	58718	8190	8589
30°	235119	183732	36412	8134	9207
35°	239070	183376	12005	8368	9734
40°	243301	166794	5800	8948	10657
45°	239443	153175	6040	9450	11545
50°	178013	28267	6055	10396	12700
55°	14232	3873	6456	10990	13572
60°	2962	4064	6303	11126	14088
65°	3056	3953	6153	10962	14467
70°	2719	3777	5942	10323	14099
75°	2129	3593	4991	10048	13641
80°	2182	3174	5356	9620	12794
85°	2174	4347	6323	8497	10671

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 242342 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	4.8
10°-20°	127.9	13.5
20°-30°	214.7	22.6
30°-40°	258.2	27.2
40°-50°	204.7	21.6
50°-60°	65.5	6.9
60°-70°	18.3	1.9
70°-80°	10.9	1.1
80°-90°	3.5	0.4
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°	388.0	40.9
0°-40°	646.2	68.1
0°-60°	916.4	96.6
0°-90°	949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	500	500	500	500	500	
5°	731	703	500	298	234	69
15°	968	762	461	50	48	272
25°	1175	939	309	43	45	537
35°	1137	872	57	40	46	712
45°	983	629	25	39	47	706
55°	47	13	22	37	45	148
65°	8	10	15	27	36	7
75°	3	5	8	15	20	4
85°	1	2	3	4	5	1
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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	666.6	670.9	670.9	665.5	667.6	659.0	652.6	642.9	640.7	628.9	613.8
5°	731.2	729.0	729.0	724.7	726.9	723.6	720.4	718.2	711.8	703.2	694.5
7.5°	732.2	734.4	735.5	734.4	738.7	735.5	735.5	735.5	731.2	726.9	718.2
10°	749.5	746.2	743.0	735.5	731.2	727.9	727.9	729.0	731.2	729.0	723.6
12.5°	873.3	861.5	856.1	837.8	823.8	800.1	773.2	752.7	734.4	727.9	723.6
15°	968.1	965.9	955.1	937.9	920.7	892.7	861.5	830.2	796.8	762.4	737.6
17.5°	1024.1	1019.7	1009.0	990.7	970.2	944.4	919.6	895.9	863.6	824.8	785.0
20°	1075.7	1066.1	1052.1	1030.5	1010.1	985.3	958.4	935.8	908.8	878.7	832.4
22.5°	1122.0	1113.4	1090.8	1061.7	1041.3	1017.6	993.9	972.4	947.6	913.1	871.1
25°	1174.8	1155.4	1118.8	1081.1	1056.4	1037.0	1019.7	1002.5	976.7	939.0	889.5
27.5°	1200.7	1173.7	1133.9	1096.2	1072.5	1052.1	1033.7	1016.5	987.4	941.1	884.1
30°	1182.3	1167.3	1139.3	1110.2	1090.8	1071.4	1049.9	1024.1	977.8	923.9	871.1
32.5°	1160.8	1153.3	1140.4	1123.1	1111.3	1091.9	1061.7	1019.7	955.1	902.4	845.3
35°	1137.1	1133.9	1129.6	1122.0	1114.5	1096.2	1058.5	997.1	932.5	872.2	817.3
37.5°	1112.4	1109.1	1112.4	1111.3	1104.8	1081.1	1024.1	967.0	900.2	838.8	732.2
40°	1082.2	1080.1	1085.4	1090.8	1083.3	1052.1	990.7	921.8	862.5	741.9	705.3
42.5°	1046.7	1045.6	1055.3	1059.6	1048.8	1002.5	930.4	879.8	754.9	716.1	629.9
45°	983.1	985.3	989.6	995.0	988.5	937.9	872.2	779.6	724.7	628.9	358.6
47.5°	769.9	772.1	793.6	838.8	870.1	852.8	796.8	727.9	648.2	359.7	113.1
50°	664.4	662.2	663.3	674.1	698.9	722.5	705.3	667.6	386.6	105.5	14.0
52.5°	291.8	324.1	358.6	455.5	518.0	583.6	596.6	417.8	126.0	14.0	14.0
55°	47.4	49.5	62.5	91.5	164.8	248.7	301.5	140.0	12.9	12.9	12.9
57.5°	9.7	9.7	9.7	10.8	16.2	34.5	39.8	11.8	11.8	11.8	12.9
60°	8.6	8.6	8.6	8.6	9.7	9.7	9.7	10.8	10.8	11.8	11.8
62.5°	8.6	8.6	8.6	8.6	8.6	8.6	9.7	9.7	10.8	10.8	11.8
65°	7.5	7.5	7.5	7.5	8.6	8.6	8.6	8.6	9.7	9.7	10.8
67.5°	6.5	6.5	6.5	6.5	7.5	7.5	7.5	8.6	8.6	8.6	9.7
70°	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	7.5	7.5	7.5
72.5°	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4	6.5	6.5	6.5
75°	3.2	3.2	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3
80°	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2
82.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
2.5°	604.1	589.0	568.6	501.8	440.4	384.4	356.4	353.2
5°	680.6	666.6	632.1	499.6	382.3	298.3	247.7	233.7
7.5°	709.6	697.8	667.6	495.3	327.4	214.3	157.2	135.7
10°	717.2	709.6	683.8	487.8	270.3	141.1	74.3	57.1
12.5°	720.4	715.0	690.2	476.0	213.2	73.2	50.6	50.6
15°	725.8	720.4	696.7	460.9	157.2	49.5	48.5	48.5
17.5°	749.5	732.2	705.3	438.3	103.4	47.4	47.4	47.4
20°	788.2	750.5	709.6	408.1	64.6	46.3	46.3	47.4
22.5°	820.5	769.9	708.5	362.9	47.4	44.1	45.2	46.3
25°	834.5	778.5	698.9	309.0	40.9	43.1	45.2	45.2
27.5°	832.4	781.8	690.2	247.7	38.8	42.0	44.1	46.3
30°	820.5	773.2	670.9	183.1	36.6	40.9	44.1	46.3
32.5°	800.1	739.8	632.1	118.5	35.5	40.9	44.1	46.3
35°	733.3	685.9	576.1	57.1	34.5	39.8	45.2	46.3
37.5°	694.5	628.9	439.3	28.0	33.4	39.8	45.2	46.3
40°	632.1	469.5	198.1	25.8	33.4	39.8	45.2	47.4
42.5°	397.3	192.8	32.3	24.8	32.3	39.8	45.2	47.4
45°	145.4	25.8	17.2	24.8	32.3	38.8	45.2	47.4
47.5°	15.1	15.1	16.2	23.7	31.2	38.8	45.2	47.4
50°	14.0	15.1	16.2	22.6	30.2	38.8	44.1	47.4
52.5°	14.0	15.1	16.2	22.6	29.1	37.7	44.1	47.4
55°	14.0	15.1	15.1	21.5	28.0	36.6	43.1	45.2
57.5°	12.9	14.0	15.1	20.5	26.9	34.5	42.0	44.1
60°	12.9	14.0	15.1	18.3	25.8	32.3	39.8	40.9
62.5°	11.8	12.9	14.0	17.2	23.7	30.2	36.6	38.8
65°	11.8	11.8	12.9	15.1	21.5	26.9	33.4	35.5
67.5°	9.7	10.8	10.8	12.9	18.3	23.7	30.2	32.3
70°	8.6	8.6	9.7	11.8	16.2	20.5	25.8	28.0
72.5°	7.5	7.5	7.5	9.7	14.0	18.3	22.6	24.8
75°	6.5	6.5	6.5	7.5	11.8	15.1	19.4	20.5
77.5°	5.4	5.4	5.4	6.5	9.7	12.9	15.1	17.2
80°	4.3	4.3	4.3	5.4	7.5	9.7	11.8	12.9
82.5°	3.2	3.2	3.2	4.3	5.4	6.5	8.6	8.6
85°	2.2	2.2	2.2	3.2	3.2	4.3	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)