

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: P1317544

Luminaire Tested: LDSQA3D13R609827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609827DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

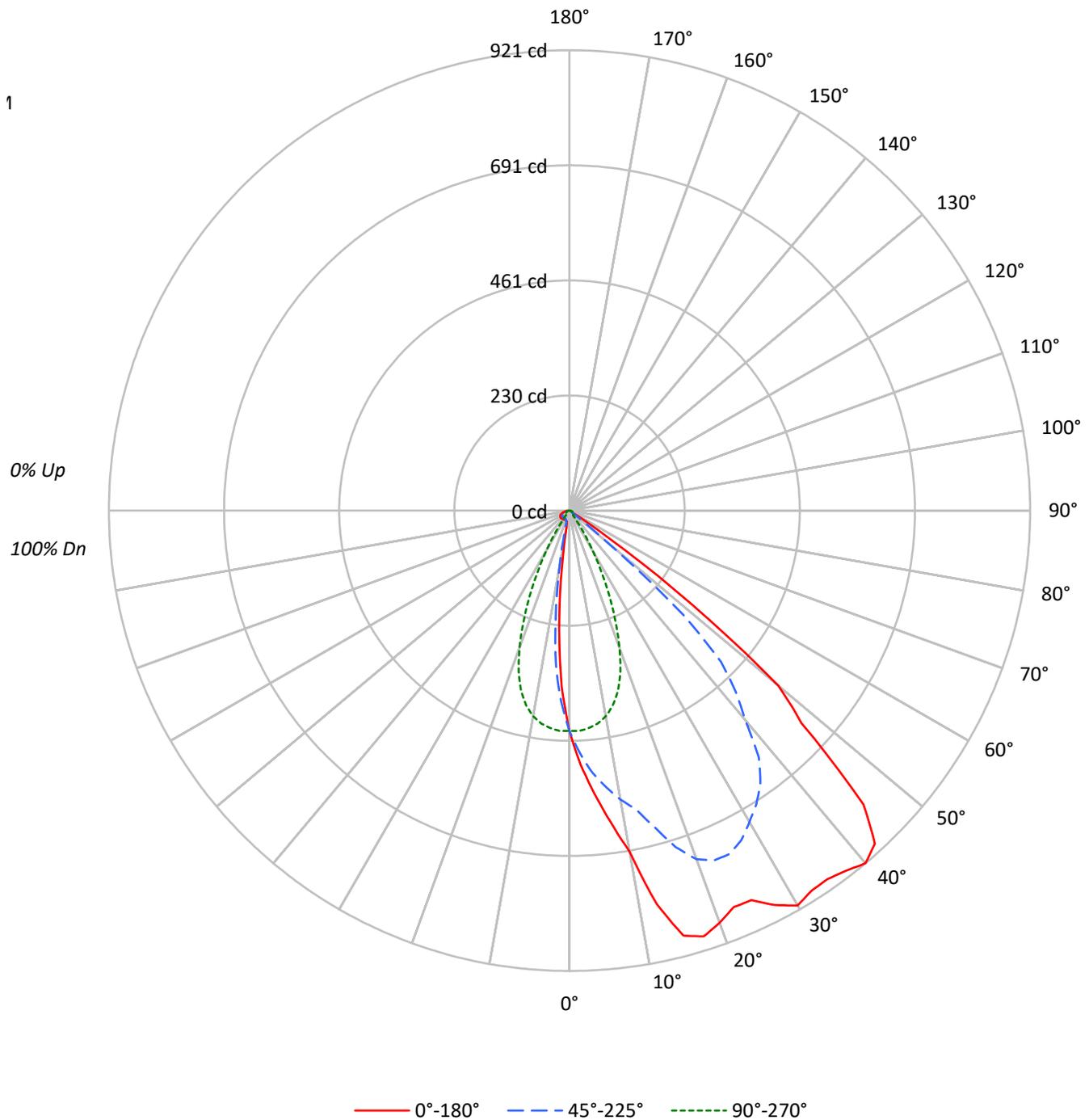
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 716.0 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	75899	75899	75899	75899	75899
5°	98058	91039	75497	53766	41025
10°	121174	102619	73065	20338	6033
15°	156920	116785	66648	4457	3976
20°	160806	136027	53645	3720	3849
25°	163404	144002	35972	3592	3858
30°	181346	143044	18554	3639	4037
35°	189157	139855	5109	3847	4415
40°	206992	122640	2428	4114	4856
45°	202520	104219	2460	4457	5431
50°	145996	25721	2706	4903	5975
55°	28014	1621	2852	5285	6696
60°	1412	1619	2790	5580	7233
65°	1386	1671	2771	5787	7702
70°	1360	1712	2719	5791	7805
75°	1331	1797	2728	5856	8118
80°	694	1984	2678	6050	8034
85°	1383	1383	2766	5335	8102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 202520 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	5.4
10°-20°	105.8	14.8
20°-30°	162.9	22.7
30°-40°	191.1	26.7
40°-50°	153.2	21.4
50°-60°	47.6	6.6
60°-70°	9.0	1.3
70°-80°	6.0	0.8
80°-90°	2.1	0.3
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°	307.0	42.9
0°-40°	498.1	69.6
0°-60°	699.0	97.6
0°-90°	716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	441	441	441	441	441	
5°	567	527	437	311	237	58
15°	880	655	374	25	22	241
25°	860	758	189	19	20	406
35°	900	665	24	18	21	569
45°	832	428	10	18	22	595
55°	93	5	10	18	22	148
65°	3	4	7	14	19	3
75°	2	3	4	9	12	2
85°	1	1	1	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°	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7
2.5°	508.3	502.9	502.9	500.9	498.9	499.6	494.2	496.2	490.8	486.7	483.3
5°	567.2	560.4	559.7	556.3	553.0	550.3	543.5	539.4	531.3	526.6	516.5
7.5°	628.0	622.6	619.2	615.2	609.1	602.3	590.8	583.4	570.5	557.7	544.9
10°	692.9	688.2	680.7	676.0	659.1	648.3	632.7	622.6	603.7	586.8	567.2
12.5°	806.5	803.8	789.6	780.1	755.8	734.1	700.3	673.3	639.5	611.8	585.4
15°	880.1	876.8	869.3	860.5	845.0	820.7	790.2	752.4	705.1	655.0	610.4
17.5°	893.0	893.7	888.9	886.9	876.8	861.2	836.9	808.5	761.2	705.7	644.9
20°	877.4	882.8	881.5	885.6	887.6	881.5	865.3	837.6	796.3	742.2	674.0
22.5°	858.5	863.2	861.9	869.3	880.8	886.9	881.5	859.2	817.3	757.1	690.2
25°	859.9	863.2	853.1	857.8	872.7	887.6	888.3	868.7	823.4	757.8	688.8
27.5°	889.6	879.5	856.5	854.5	872.7	891.6	893.0	868.7	814.6	743.6	675.3
30°	911.9	904.5	878.8	875.4	893.0	905.8	899.1	861.2	793.6	719.3	655.7
32.5°	901.1	902.5	891.6	902.5	925.4	930.8	902.5	843.6	764.5	695.6	632.7
35°	899.7	905.2	911.2	928.1	943.7	930.8	885.6	810.5	733.5	665.2	596.9
37.5°	907.9	916.6	925.4	940.3	940.3	907.2	840.9	768.6	696.3	621.9	522.5
40°	920.7	926.1	928.8	927.5	909.2	860.5	790.2	717.9	649.0	545.5	473.2
42.5°	903.8	903.1	900.4	888.9	855.1	791.6	726.0	667.2	558.4	492.1	409.7
45°	831.5	831.5	824.0	805.8	774.7	722.0	663.8	578.0	509.0	427.9	304.2
47.5°	629.3	624.6	632.7	643.5	643.5	638.8	586.1	511.7	441.4	308.9	97.3
50°	544.9	537.4	527.3	529.3	528.0	533.4	499.6	443.5	326.5	96.0	6.8
52.5°	308.3	321.8	354.9	401.5	422.5	429.9	409.0	337.3	110.2	6.1	5.4
55°	93.3	96.0	108.8	133.8	181.8	232.5	235.9	109.5	7.4	5.4	5.4
57.5°	4.1	4.1	5.4	8.1	18.9	28.4	30.4	6.8	4.7	5.4	5.4
60°	4.1	4.1	4.1	4.1	4.1	4.1	4.7	4.7	4.7	4.7	5.4
62.5°	3.4	3.4	4.1	4.1	4.1	4.1	4.1	4.1	4.7	4.7	4.7
65°	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1	4.7
67.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4
72.5°	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7	3.4
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0
80°	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7
2.5°	478.6	473.2	467.1	441.4	416.4	382.6	359.6	352.9
5°	507.7	498.9	485.4	436.7	377.9	311.0	256.9	237.3
7.5°	532.0	518.5	499.6	429.9	331.9	210.9	135.9	114.9
10°	549.6	532.7	508.3	417.8	271.1	116.3	46.0	34.5
12.5°	564.5	542.1	513.1	399.5	197.4	47.3	23.7	23.7
15°	574.6	547.6	515.1	373.8	127.8	25.0	22.3	22.3
17.5°	588.8	553.6	515.1	338.0	69.6	21.6	21.6	21.6
20°	611.8	559.7	507.7	292.7	38.5	20.3	21.0	21.0
22.5°	623.9	568.5	498.2	240.0	24.3	19.6	20.3	20.3
25°	626.6	567.2	477.9	189.3	19.6	18.9	19.6	20.3
27.5°	617.2	557.7	450.9	137.9	17.6	18.3	19.6	20.3
30°	600.3	534.7	407.6	93.3	16.2	18.3	19.6	20.3
32.5°	568.5	479.3	356.9	56.1	15.5	18.3	19.6	21.0
35°	497.5	421.1	298.8	24.3	14.9	18.3	20.3	21.0
37.5°	446.2	363.0	231.2	12.2	14.9	18.3	20.3	21.6
40°	389.4	292.0	106.8	10.8	14.9	18.3	20.3	21.6
42.5°	296.8	135.2	12.8	10.8	14.2	18.3	21.0	21.6
45°	108.2	14.2	6.8	10.1	14.2	18.3	21.0	22.3
47.5°	8.1	5.4	6.1	10.1	14.2	18.3	21.0	22.3
50°	5.4	5.4	6.1	10.1	14.2	18.3	21.0	22.3
52.5°	5.4	6.1	6.1	9.5	13.5	18.3	21.0	22.3
55°	5.4	6.1	6.1	9.5	13.5	17.6	21.0	22.3
57.5°	5.4	5.4	6.1	8.8	12.8	16.9	21.0	21.6
60°	5.4	5.4	6.1	8.1	12.2	16.2	19.6	21.0
62.5°	5.4	5.4	5.4	7.4	11.5	15.5	18.9	20.3
65°	4.7	4.7	5.4	6.8	10.1	14.2	17.6	18.9
67.5°	4.1	4.7	4.7	6.1	9.5	12.8	16.2	17.6
70°	4.1	4.1	4.1	5.4	8.1	11.5	14.9	15.5
72.5°	3.4	3.4	4.1	4.7	7.4	10.1	13.5	14.2
75°	2.7	3.4	3.4	4.1	6.1	8.8	11.5	12.2
77.5°	2.7	2.7	2.7	3.4	5.4	7.4	9.5	10.1
80°	2.0	2.0	2.0	2.7	4.1	6.1	7.4	8.1
82.5°	1.4	2.0	2.0	2.0	3.4	4.1	5.4	6.1
85°	1.4	1.4	1.4	1.4	2.0	2.7	3.4	4.1
87.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)