

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: P1316489

Luminaire Tested: LDSQA3D09R609740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316489  
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: LDSQA3D09R609740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

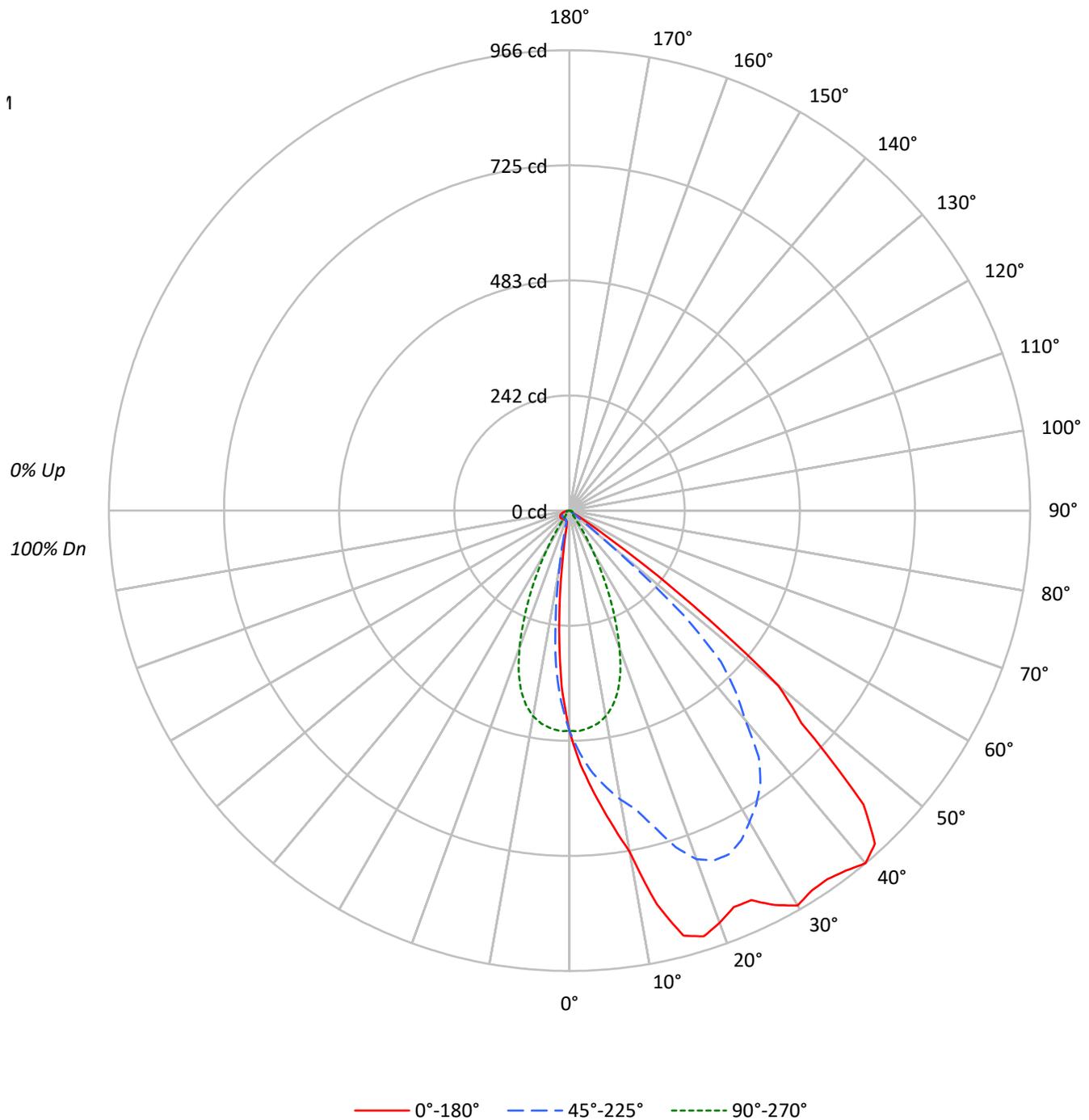
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 751.0 lumens  
Efficiency: N/A  
Efficacy: 67.7 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): 11.1  
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	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	42	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°	79619	79619	79619	79619	79619
5°	102847	95482	79179	56394	43030
10°	127102	107621	76632	21335	6331
15°	164605	122509	69911	4671	4172
20°	168668	142680	56266	3904	4032
25°	171385	151033	37720	3782	4048
30°	190215	150024	19449	3798	4236
35°	198408	146688	5361	4016	4625
40°	217109	128642	2540	4294	5103
45°	212408	109310	2582	4652	5699
50°	153122	26981	2840	5117	6270
55°	29366	1711	2973	5525	7026
60°	1481	1722	2928	5856	7578
65°	1426	1752	2893	6072	8110
70°	1410	1762	2870	6093	8208
75°	1397	1863	2861	6122	8517
80°	694	2083	2777	6347	8430
85°	1383	1383	2766	5533	8497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 212408 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.2	5.4
10°-20°	111.0	14.8
20°-30°	170.8	22.7
30°-40°	200.4	26.7
40°-50°	160.7	21.4
50°-60°	49.9	6.6
60°-70°	9.4	1.3
70°-80°	6.3	0.8
80°-90°	2.2	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°	322.0	42.9
0°-40°	522.5	69.6
0°-60°	733.1	97.6
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	462	462	462	462	462	
5°	595	552	458	326	249	61
15°	923	687	392	26	23	253
25°	902	795	198	20	21	426
35°	944	698	26	19	22	597
45°	872	449	11	19	23	624
55°	98	6	10	18	23	155
65°	4	4	7	15	20	3
75°	2	3	4	9	13	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°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3
2.5°	533.2	527.5	527.5	525.4	523.3	524.0	518.3	520.4	514.8	510.5	507.0
5°	594.9	587.8	587.1	583.5	580.0	577.2	570.1	565.8	557.3	552.3	541.7
7.5°	658.7	653.0	649.5	645.2	638.8	631.8	619.7	611.9	598.4	585.0	571.5
10°	726.8	721.8	714.0	709.0	691.3	680.0	663.7	653.0	633.2	615.4	594.9
12.5°	845.9	843.0	828.2	818.2	792.7	770.0	734.6	706.2	670.7	641.7	614.0
15°	923.2	919.6	911.8	902.6	886.3	860.8	828.9	789.2	739.5	687.1	640.3
17.5°	936.6	937.3	932.4	930.3	919.6	903.3	877.8	848.0	798.4	740.2	676.4
20°	920.3	926.0	924.6	928.8	931.0	924.6	907.6	878.5	835.2	778.5	706.9
22.5°	900.5	905.4	904.0	911.8	923.9	930.3	924.6	901.2	857.2	794.1	723.9
25°	901.9	905.4	894.8	899.8	915.4	931.0	931.7	911.1	863.6	794.8	722.5
27.5°	933.1	922.5	898.4	896.2	915.4	935.2	936.6	911.1	854.4	779.9	708.3
30°	956.5	948.7	921.7	918.2	936.6	950.1	943.0	903.3	832.4	754.4	687.8
32.5°	945.1	946.6	935.2	946.6	970.7	976.3	946.6	884.9	801.9	729.6	663.7
35°	943.7	949.4	955.8	973.5	989.8	976.3	928.8	850.1	769.3	697.7	626.1
37.5°	952.2	961.5	970.7	986.3	986.3	951.5	882.0	806.2	730.3	652.3	548.1
40°	965.7	971.4	974.2	972.8	953.7	902.6	828.9	753.0	680.7	572.2	496.3
42.5°	948.0	947.3	944.4	932.4	896.9	830.3	761.5	699.8	585.7	516.2	429.7
45°	872.1	872.1	864.3	845.2	812.6	757.3	696.3	606.2	533.9	448.8	319.1
47.5°	660.1	655.2	663.7	675.0	675.0	670.0	614.7	536.7	463.0	324.0	102.1
50°	571.5	563.7	553.0	555.2	553.8	559.4	524.0	465.1	342.5	100.7	7.1
52.5°	323.3	337.5	372.2	421.2	443.1	450.9	429.0	353.8	115.6	6.4	5.7
55°	97.8	100.7	114.2	140.4	190.7	243.9	247.5	114.9	7.8	5.7	5.7
57.5°	4.3	4.3	5.7	8.5	19.9	29.8	31.9	7.1	5.0	5.7	5.7
60°	4.3	4.3	4.3	4.3	4.3	4.3	5.0	5.0	5.0	5.0	5.7
62.5°	3.5	3.5	4.3	4.3	4.3	4.3	4.3	4.3	5.0	5.0	5.0
65°	3.5	3.5	3.5	3.5	3.5	3.5	4.3	4.3	4.3	4.3	5.0
67.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5	4.3	4.3	4.3
70°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5
72.5°	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	3.5
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8
77.5°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1
80°	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1
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°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3
2.5°	502.0	496.3	489.9	463.0	436.8	401.3	377.2	370.1
5°	532.5	523.3	509.1	458.0	396.4	326.2	269.4	248.9
7.5°	558.0	543.8	524.0	450.9	348.1	221.2	142.5	120.5
10°	576.4	558.7	533.2	438.2	284.3	122.0	48.2	36.2
12.5°	592.0	568.6	538.2	419.0	207.0	49.6	24.8	24.8
15°	602.7	574.3	540.3	392.1	134.0	26.2	23.4	23.4
17.5°	617.6	580.7	540.3	354.5	73.0	22.7	22.7	22.7
20°	641.7	587.1	532.5	307.0	40.4	21.3	22.0	22.0
22.5°	654.4	596.3	522.6	251.7	25.5	20.6	21.3	21.3
25°	657.3	594.9	501.3	198.5	20.6	19.9	20.6	21.3
27.5°	647.4	585.0	472.9	144.6	18.4	19.1	20.6	21.3
30°	629.6	560.8	427.5	97.8	17.0	19.1	20.6	21.3
32.5°	596.3	502.7	374.4	58.9	16.3	19.1	20.6	22.0
35°	521.9	441.7	313.4	25.5	15.6	19.1	21.3	22.0
37.5°	468.0	380.8	242.5	12.8	15.6	19.1	21.3	22.7
40°	408.4	306.3	112.0	11.3	15.6	19.1	21.3	22.7
42.5°	311.3	141.8	13.5	11.3	14.9	19.1	22.0	22.7
45°	113.4	14.9	7.1	10.6	14.9	19.1	22.0	23.4
47.5°	8.5	5.7	6.4	10.6	14.9	19.1	22.0	23.4
50°	5.7	5.7	6.4	10.6	14.9	19.1	22.0	23.4
52.5°	5.7	6.4	6.4	9.9	14.2	19.1	22.0	23.4
55°	5.7	6.4	6.4	9.9	14.2	18.4	22.0	23.4
57.5°	5.7	5.7	6.4	9.2	13.5	17.7	22.0	22.7
60°	5.7	5.7	6.4	8.5	12.8	17.0	20.6	22.0
62.5°	5.7	5.7	5.7	7.8	12.1	16.3	19.9	21.3
65°	5.0	5.0	5.7	7.1	10.6	14.9	18.4	19.9
67.5°	4.3	5.0	5.0	6.4	9.9	13.5	17.0	18.4
70°	4.3	4.3	4.3	5.7	8.5	12.1	15.6	16.3
72.5°	3.5	3.5	4.3	5.0	7.8	10.6	14.2	14.9
75°	2.8	3.5	3.5	4.3	6.4	9.2	12.1	12.8
77.5°	2.8	2.8	2.8	3.5	5.7	7.8	9.9	10.6
80°	2.1	2.1	2.1	2.8	4.3	6.4	7.8	8.5
82.5°	1.4	2.1	2.1	2.1	3.5	4.3	5.7	6.4
85°	1.4	1.4	1.4	1.4	2.1	2.8	3.5	4.3
87.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)