Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: IRiS

Report Number: P1312434

Luminaire Tested: P3SQAS13R309727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1312434
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS13R309727DE010 E3SQCA301MMS
Description:	3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	867.0 lumens
Efficiency:	N/A
Efficacy:	59.4 lumens/watt
Spacing Criteria (0/90/45):	2.41 / 0.46 / 1.21
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 (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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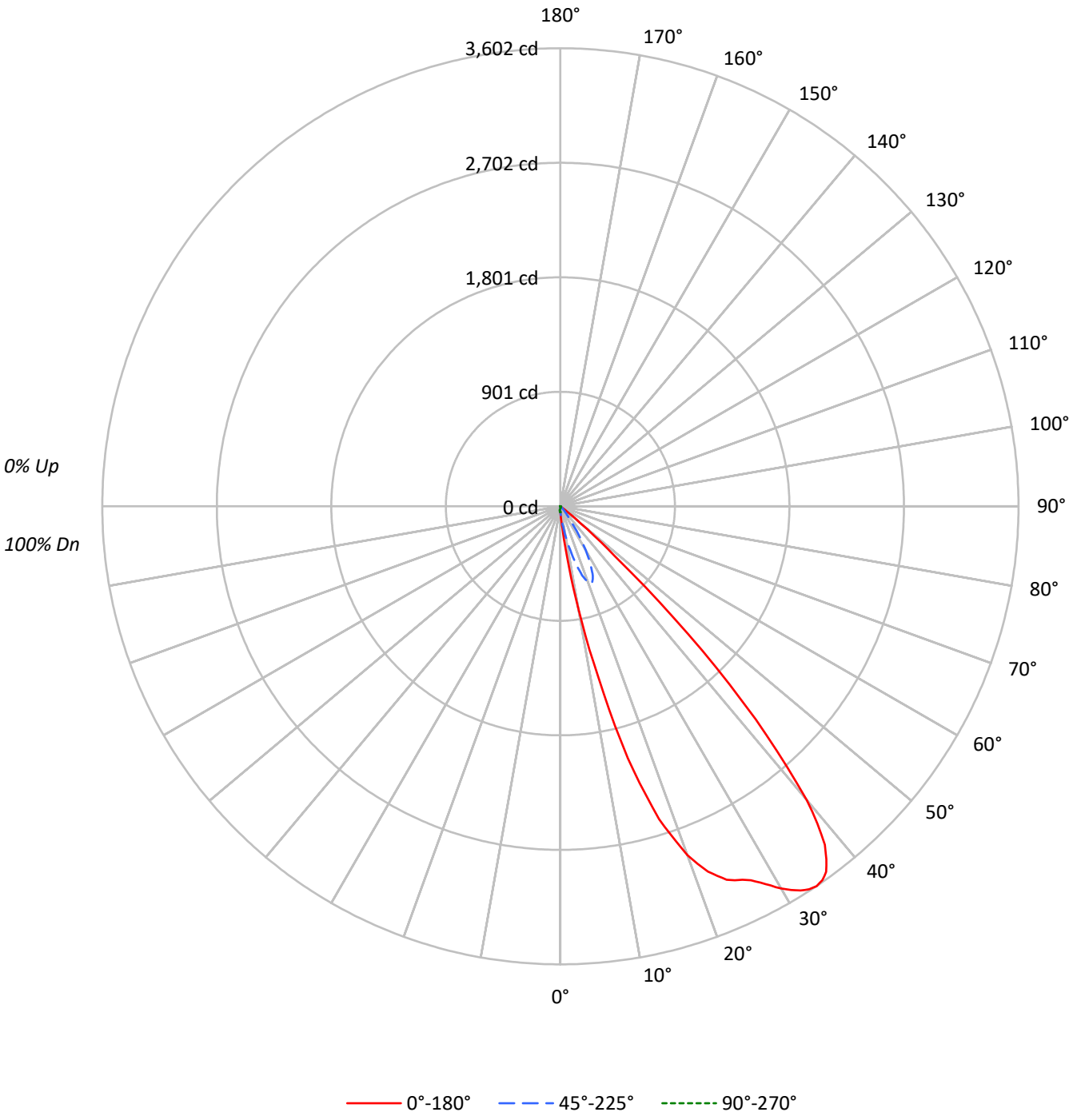
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7991	7991	7991	7991	7991
5°	28975	17997	7313	2956	2109
10°	143419	43108	5684	577	0
15°	365867	82106	3619	0	0
20°	534596	116765	1485	0	0
25°	616751	114567	304	0	0
30°	690262	78631	0	0	0
35°	754906	33870	0	0	0
40°	677542	13174	0	0	0
45°	346001	5358	0	0	0
50°	53399	643	0	0	0
55°	3183	0	240	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1597	0	0
80°	0	793	2380	0	0
85°	0	1581	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 346001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	1.1
10°-20°	115.5	13.3
20°-30°	285.5	32.9
30°-40°	328.3	37.9
40°-50°	121.8	14.0
50°-60°	4.4	0.5
60°-70°	0.4	0.0
70°-80°	0.7	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°	410.7	47.4
0°-40°	739.0	85.2
0°-60°	865.2	99.8
0°-90°	867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	168	104	42	17	12	36
15°	2052	460	20	0	0	590
25°	3246	603	2	0	0	1500
35°	3591	161	0	0	0	2177
45°	1421	22	0	0	0	1106
55°	11	0	1	0	0	36
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2.5°	82.2	83.0	83.0	80.5	79.7	78.9	76.5	69.2	57.8	46.4	37.4
5°	167.6	168.4	168.4	163.5	153.8	144.0	135.9	104.1	66.7	42.3	27.7
7.5°	395.4	396.2	379.2	359.6	320.6	300.2	262.8	160.3	75.7	38.2	17.9
10°	820.1	802.2	757.5	700.5	640.3	562.2	483.3	246.5	82.2	32.5	11.4
12.5°	1371.0	1353.9	1296.1	1214.8	1096.8	943.8	794.1	346.6	83.0	26.0	6.5
15°	2052.0	2004.0	1934.8	1799.8	1625.6	1388.9	1141.5	460.5	79.7	20.3	1.6
17.5°	2580.0	2536.1	2448.2	2290.4	2073.9	1811.1	1507.7	568.7	70.8	13.0	0.0
20°	2916.9	2870.5	2788.3	2649.2	2418.9	2110.6	1763.1	637.1	58.6	8.1	0.0
21°	3012.9	2968.1	2887.6	2749.3	2519.8	2212.3	1825.8	651.7	52.9	6.5	0.0
22°	3097.5	3062.5	2987.7	2837.1	2603.6	2287.1	1889.3	653.3	48.8	4.9	0.0
23°	3156.9	3131.7	3056.8	2918.5	2685.8	2348.1	1923.4	643.6	43.9	3.3	0.0
24°	3213.8	3182.9	3118.7	2990.1	2750.9	2399.4	1954.3	625.7	39.1	2.4	0.0
25°	3245.6	3209.8	3160.1	3039.7	2804.6	2431.9	1973.1	602.9	34.2	1.6	0.0
26°	3267.5	3239.9	3185.4	3069.0	2827.4	2453.1	1975.5	569.5	30.9	0.8	0.0
27°	3300.9	3273.2	3220.4	3095.1	2837.1	2449.8	1960.9	531.3	26.8	0.0	0.0
28°	3351.4	3314.7	3261.9	3122.7	2841.2	2436.0	1928.3	489.8	22.8	0.0	0.0
29°	3409.1	3371.7	3313.9	3159.3	2842.0	2408.4	1877.0	444.2	20.3	0.0	0.0
30°	3471.0	3438.4	3379.8	3195.1	2851.0	2372.6	1817.7	395.4	16.3	0.0	0.0
31°	3519.8	3490.5	3427.8	3227.7	2858.3	2341.6	1744.4	346.6	13.8	0.0	0.0
32°	3562.1	3536.0	3458.8	3235.0	2843.6	2297.7	1666.3	299.4	11.4	0.0	0.0
33°	3591.4	3558.8	3468.5	3216.3	2801.3	2225.3	1579.3	254.7	8.9	0.0	0.0
34°	3601.9	3562.9	3453.9	3167.5	2715.9	2115.4	1466.2	208.3	7.3	0.0	0.0
35°	3590.6	3542.6	3401.0	3083.7	2600.4	1984.4	1330.3	161.1	5.7	0.0	0.0
36°	3553.9	3492.9	3325.3	2964.1	2435.2	1829.9	1194.4	125.3	4.1	0.0	0.0
37°	3475.0	3407.5	3195.9	2806.2	2271.7	1652.5	1039.8	97.6	2.4	0.0	0.0
38°	3378.2	3280.6	3023.5	2606.9	2060.1	1453.1	886.9	80.5	1.6	0.0	0.0
39°	3213.0	3105.6	2818.4	2377.4	1852.6	1263.6	738.0	70.0	0.8	0.0	0.0
40°	3013.7	2886.0	2584.1	2131.7	1607.7	1065.0	615.9	58.6	0.8	0.0	0.0
42.5°	2273.3	2165.1	1840.4	1449.9	982.9	628.1	341.7	38.2	0.0	0.0	0.0
45°	1420.6	1307.5	1087.8	794.9	532.1	325.5	164.4	22.0	0.0	0.0	0.0
47.5°	580.1	532.1	437.7	336.8	240.8	153.0	68.3	9.8	0.0	0.0	0.0
50°	199.3	177.4	148.9	109.0	77.3	52.9	35.8	2.4	0.0	0.0	0.0
52.5°	57.8	58.6	51.3	43.9	34.2	24.4	17.9	0.0	0.0	0.0	0.0
55°	10.6	8.9	10.6	9.8	10.6	8.9	6.5	0.0	0.0	0.8	0.0
57.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
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):

	135°	157.5°	180°
0°	46.4	46.4	46.4
2.5°	30.1	26.8	25.2
5°	17.1	13.0	12.2
7.5°	8.9	5.7	4.9
10°	3.3	0.8	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	*0.0*	*0.0*	*0.0*
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)