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: P1306717

Luminaire Tested: P3SQAS09R309027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1306717
	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:	P3SQAS09R309027DE010 E3SQCA301MMS
Description:	3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	728.0 lumens
Efficiency:	N/A
Efficacy:	65.6 lumens/watt
Spacing Criteria (0/90/45):	2.41 / 0.46 / 1.22
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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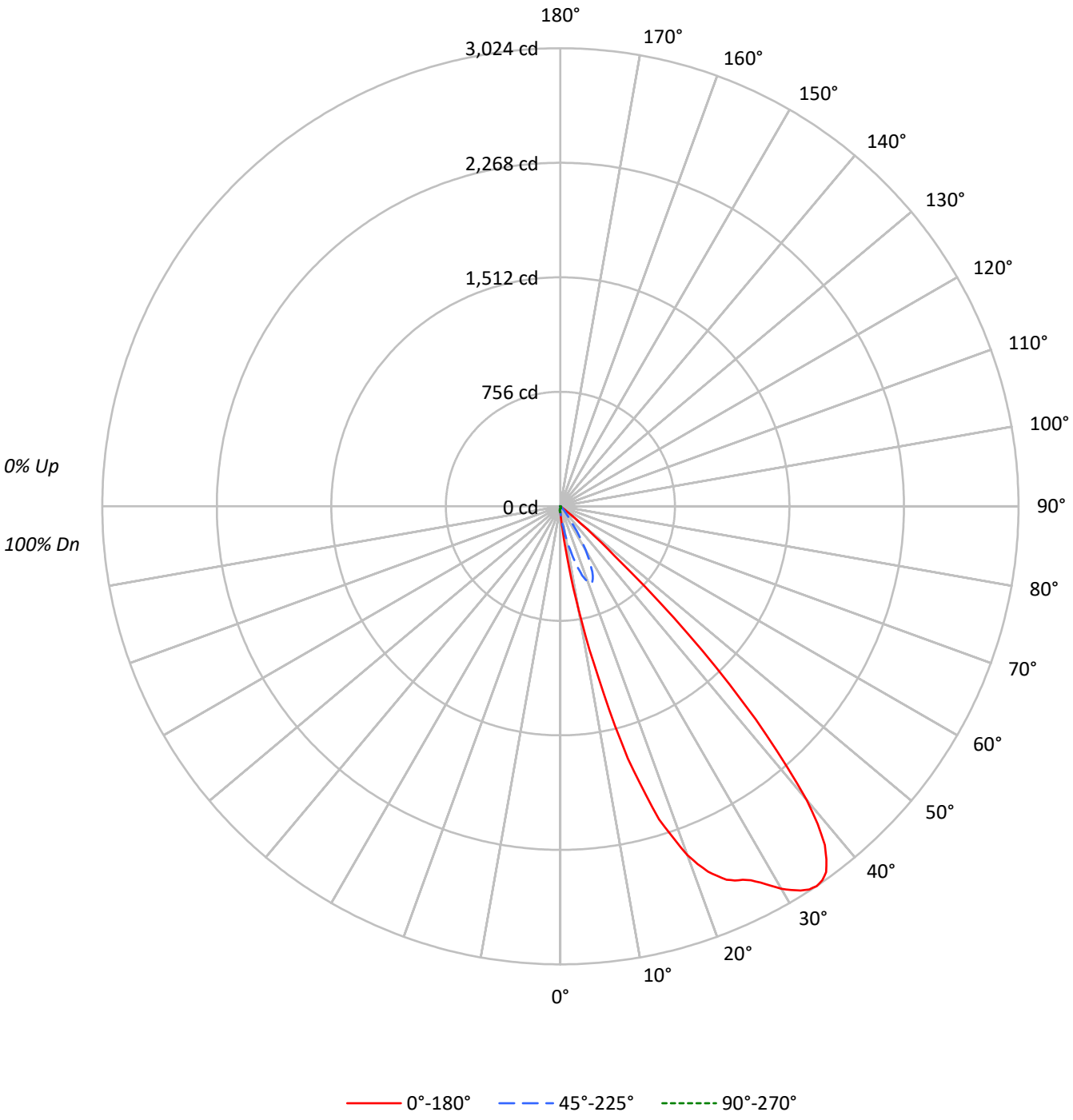
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	6699	6699	6699	6699	6699
5°	24324	15110	6137	2472	1763
10°	120439	36200	4774	472	0
15°	307207	68948	3049	0	0
20°	448878	98034	1246	0	0
25°	517861	96191	266	0	0
30°	579594	66023	0	0	0
35°	633868	28446	0	0	0
40°	568909	11061	0	0	0
45°	290518	4481	0	0	0
50°	44852	536	0	0	0
55°	2672	0	210	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 290518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.1
10°-20°	97.0	13.3
20°-30°	239.7	32.9
30°-40°	275.7	37.9
40°-50°	102.3	14.0
50°-60°	3.7	0.5
60°-70°	0.4	0.1
70°-80°	0.6	0.1
80°-90°	0.6	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°	344.8	47.4
0°-40°	620.5	85.2
0°-60°	726.5	99.8
0°-90°	728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	141	87	36	14	10	31
15°	1723	387	17	0	0	495
25°	2725	506	1	0	0	1259
35°	3015	135	0	0	0	1828
45°	1193	18	0	0	0	929
55°	9	0	1	0	0	30
65°	0	0	1	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°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	69.0	69.7	69.7	67.6	67.0	66.3	64.2	58.1	48.5	38.9	31.4
5°	140.7	141.4	141.4	137.3	129.1	120.9	114.1	87.4	56.0	35.5	23.2
7.5°	332.0	332.7	318.4	302.0	269.2	252.1	220.7	134.6	63.5	32.1	15.0
10°	688.7	673.6	636.0	588.2	537.7	472.1	405.8	207.0	69.0	27.3	9.6
12.5°	1151.2	1136.8	1088.3	1020.0	920.9	792.5	666.8	291.0	69.7	21.9	5.5
15°	1723.0	1682.7	1624.6	1511.2	1365.0	1166.2	958.5	386.7	67.0	17.1	1.4
17.5°	2166.4	2129.5	2055.7	1923.2	1741.4	1520.8	1265.9	477.5	59.4	10.9	0.0
20°	2449.2	2410.3	2341.3	2224.5	2031.1	1772.2	1480.5	534.9	49.2	6.8	0.0
21°	2529.8	2492.3	2424.6	2308.5	2115.8	1857.6	1533.1	547.2	44.4	5.5	0.0
22°	2600.9	2571.5	2508.7	2382.3	2186.2	1920.4	1586.4	548.6	41.0	4.1	0.0
23°	2650.8	2629.6	2566.7	2450.6	2255.2	1971.7	1615.1	540.4	36.9	2.7	0.0
24°	2698.6	2672.6	2618.7	2510.7	2309.9	2014.7	1641.0	525.4	32.8	2.0	0.0
25°	2725.2	2695.2	2653.5	2552.4	2355.0	2042.0	1656.7	506.2	28.7	1.4	0.0
26°	2743.7	2720.5	2674.7	2577.0	2374.1	2059.8	1658.8	478.2	26.0	0.7	0.0
27°	2771.7	2748.5	2704.1	2598.8	2382.3	2057.1	1646.5	446.1	22.5	0.0	0.0
28°	2814.1	2783.3	2738.9	2622.1	2385.7	2045.5	1619.2	411.3	19.1	0.0	0.0
29°	2862.6	2831.1	2782.6	2652.8	2386.4	2022.2	1576.1	373.0	17.1	0.0	0.0
30°	2914.5	2887.2	2838.0	2682.9	2393.9	1992.2	1526.2	332.0	13.7	0.0	0.0
31°	2955.5	2930.9	2878.3	2710.2	2400.0	1966.2	1464.8	291.0	11.6	0.0	0.0
32°	2991.0	2969.1	2904.2	2716.4	2387.7	1929.3	1399.2	251.4	9.6	0.0	0.0
33°	3015.6	2988.3	2912.4	2700.6	2352.2	1868.5	1326.1	213.8	7.5	0.0	0.0
34°	3024.5	2991.7	2900.1	2659.7	2280.5	1776.3	1231.1	174.9	6.1	0.0	0.0
35°	3014.9	2974.6	2855.7	2589.3	2183.5	1666.3	1117.0	135.3	4.8	0.0	0.0
36°	2984.2	2932.9	2792.2	2488.9	2044.8	1536.5	1002.9	105.2	3.4	0.0	0.0
37°	2917.9	2861.2	2683.6	2356.3	1907.5	1387.6	873.1	82.0	2.0	0.0	0.0
38°	2836.6	2754.6	2538.7	2188.9	1729.8	1220.2	744.7	67.6	1.4	0.0	0.0
39°	2697.9	2607.7	2366.6	1996.3	1555.6	1061.0	619.7	58.8	0.7	0.0	0.0
40°	2530.5	2423.3	2169.8	1790.0	1350.0	894.3	517.2	49.2	0.7	0.0	0.0
42.5°	1908.8	1818.0	1545.4	1217.4	825.3	527.4	286.9	32.1	0.0	0.0	0.0
45°	1192.8	1097.9	913.4	667.5	446.8	273.3	138.0	18.4	0.0	0.0	0.0
47.5°	487.1	446.8	367.6	282.8	202.2	128.4	57.4	8.2	0.0	0.0	0.0
50°	167.4	148.9	125.0	91.5	64.9	44.4	30.1	2.0	0.0	0.0	0.0
52.5°	48.5	49.2	43.0	36.9	28.7	20.5	15.0	0.0	0.0	0.0	0.0
55°	8.9	7.5	8.9	8.2	8.9	7.5	5.5	0.0	0.0	0.7	0.0
57.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	0.7

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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	0.7	1.4	2.0	0.7
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	0.7
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	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):

	135°	157.5°	180°
0°	38.9	38.9	38.9
2.5°	25.3	22.5	21.2
5°	14.3	10.9	10.2
7.5°	7.5	4.8	4.1
10°	2.7	0.7	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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	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)