

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: P1313238

Luminaire Tested: P3SQAS09R309730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313238
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: P3SQAS09R309730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

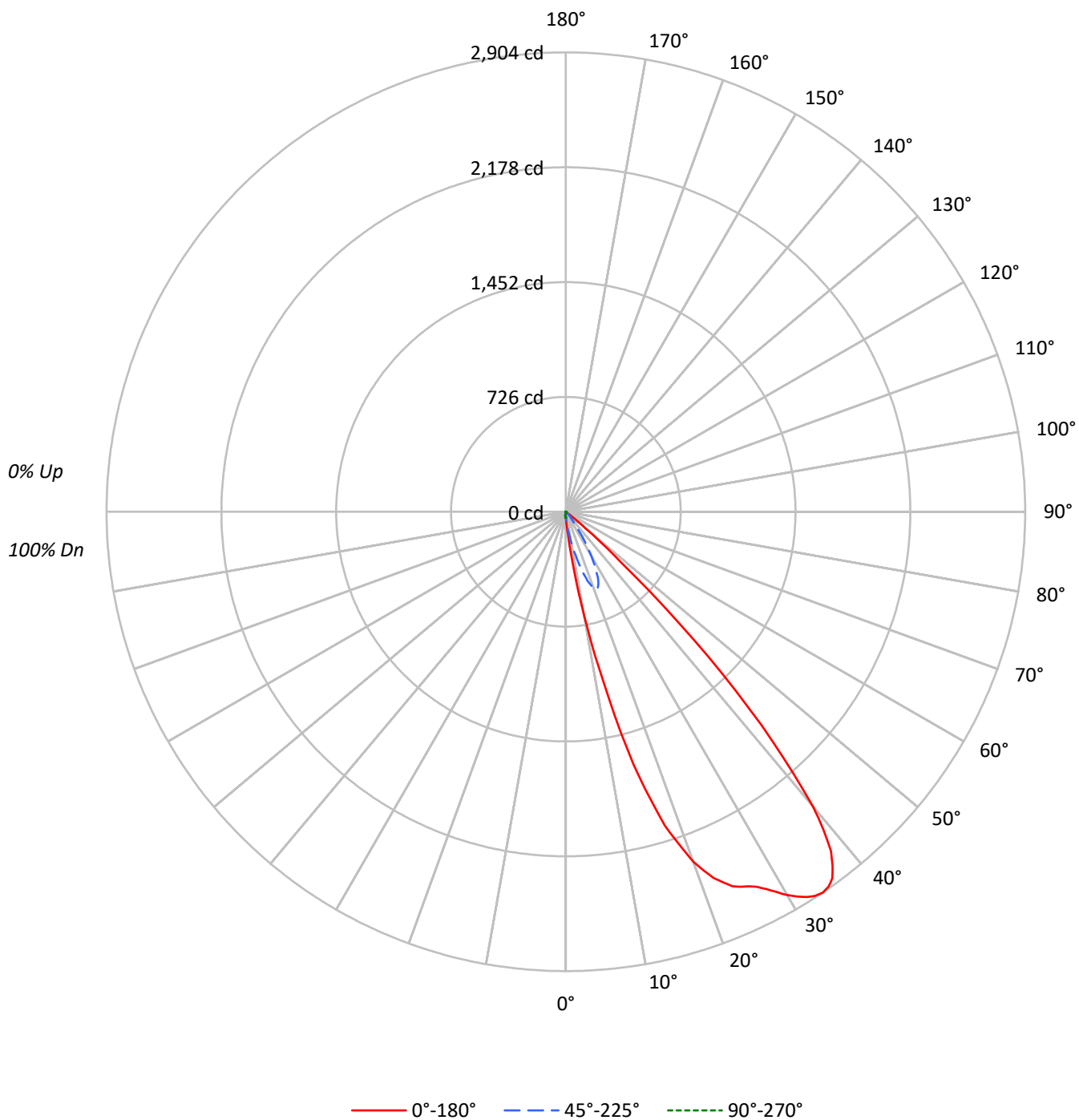
Lumens per Lamp: N/A
Luminaire Lumens: 699.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

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	50	30	10
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°	6441	6441	6441	6441	6441
5°	23356	14522	5895	2386	1694
10°	115630	34766	4582	455	0
15°	294976	66202	2924	0	0
20°	431009	94130	1210	0	0
25°	497243	92372	247	0	0
30°	556505	63398	0	0	0
35°	608617	27311	0	0	0
40°	546247	10612	0	0	0
45°	278949	4311	0	0	0
50°	43056	536	0	0	0
55°	2552	0	210	0	0
60°	0	0	241	0	0
65°	0	0	530	0	0
70°	0	352	655	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: 278949 cd/sqm

TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	1.1
10°-20°	93.1	13.3
20°-30°	230.2	32.9
30°-40°	264.7	37.9
40°-50°	98.2	14.0
50°-60°	3.6	0.5
60°-70°	0.4	0.1
70°-80°	0.6	0.1
80°-90°	0.5	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°	331.1	47.4
0°-40°	595.8	85.2
0°-60°	697.5	99.8
0°-90°	699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	135	84	34	14	10	29
15°	1654	371	16	0	0	476
25°	2617	486	1	0	0	1209
35°	2895	130	0	0	0	1755
45°	1145	18	0	0	0	892
55°	8	0	1	0	0	29
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	

TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	66.3	66.9	66.9	64.9	64.3	63.6	61.7	55.8	46.6	37.4	30.2
5°	135.1	135.8	135.8	131.9	124.0	116.1	109.5	84.0	53.8	34.1	22.3
7.5°	318.8	319.5	305.7	289.9	258.5	242.1	211.9	129.2	61.0	30.8	14.4
10°	661.2	646.8	610.7	564.8	516.3	453.3	389.6	198.8	66.3	26.2	9.2
12.5°	1105.3	1091.5	1045.0	979.4	884.3	760.9	640.2	279.4	66.9	21.0	5.2
15°	1654.4	1615.7	1559.9	1451.0	1310.6	1119.7	920.3	371.3	64.3	16.4	1.3
17.5°	2080.1	2044.7	1973.8	1846.6	1672.1	1460.2	1215.5	458.5	57.1	10.5	0.0
20°	2351.7	2314.3	2248.0	2135.8	1950.2	1701.6	1421.5	513.6	47.2	6.6	0.0
21°	2429.1	2393.0	2328.0	2216.5	2031.5	1783.6	1472.0	525.4	42.6	5.2	0.0
22°	2497.3	2469.1	2408.7	2287.4	2099.1	1843.9	1523.2	526.7	39.4	3.9	0.0
23°	2545.2	2524.8	2464.5	2353.0	2165.4	1893.1	1550.7	518.9	35.4	2.6	0.0
24°	2591.1	2566.2	2514.3	2410.7	2217.8	1934.5	1575.6	504.4	31.5	2.0	0.0
25°	2616.7	2587.8	2547.8	2450.7	2261.1	1960.7	1590.7	486.1	27.6	1.3	0.0
26°	2634.4	2612.1	2568.1	2474.3	2279.5	1977.8	1592.7	459.2	24.9	0.7	0.0
27°	2661.3	2639.0	2596.3	2495.3	2287.4	1975.1	1580.9	428.4	21.6	0.0	0.0
28°	2702.0	2672.4	2629.8	2517.6	2290.7	1964.0	1554.7	394.9	18.4	0.0	0.0
29°	2748.5	2718.4	2671.8	2547.1	2291.3	1941.7	1513.3	358.2	16.4	0.0	0.0
30°	2798.4	2772.1	2724.9	2576.0	2298.5	1912.8	1465.4	318.8	13.1	0.0	0.0
31°	2837.7	2814.1	2763.6	2602.2	2304.4	1887.9	1406.4	279.4	11.2	0.0	0.0
32°	2871.9	2850.9	2788.5	2608.2	2292.6	1852.5	1343.4	241.4	9.2	0.0	0.0
33°	2895.5	2869.2	2796.4	2593.1	2258.5	1794.1	1273.2	205.3	7.2	0.0	0.0
34°	2904.0	2872.5	2784.6	2553.7	2189.6	1705.5	1182.1	167.9	5.9	0.0	0.0
35°	2894.8	2856.1	2742.0	2486.1	2096.5	1599.9	1072.5	129.9	4.6	0.0	0.0
36°	2865.3	2816.1	2681.0	2389.7	1963.3	1475.3	963.0	101.0	3.3	0.0	0.0
37°	2801.7	2747.2	2576.7	2262.5	1831.5	1332.3	838.3	78.7	2.0	0.0	0.0
38°	2723.6	2644.9	2437.6	2101.7	1660.9	1171.6	715.0	64.9	1.3	0.0	0.0
39°	2590.4	2503.9	2272.3	1916.8	1493.7	1018.7	595.0	56.4	0.7	0.0	0.0
40°	2429.7	2326.7	2083.4	1718.7	1296.2	858.7	496.6	47.2	0.7	0.0	0.0
42.5°	1832.8	1745.5	1483.8	1168.9	792.4	506.4	275.5	30.8	0.0	0.0	0.0
45°	1145.3	1054.1	877.0	640.9	429.0	262.4	132.5	17.7	0.0	0.0	0.0
47.5°	467.7	429.0	352.9	271.6	194.2	123.3	55.1	7.9	0.0	0.0	0.0
50°	160.7	143.0	120.0	87.9	62.3	42.6	28.9	2.0	0.0	0.0	0.0
52.5°	46.6	47.2	41.3	35.4	27.6	19.7	14.4	0.0	0.0	0.0	0.0
55°	8.5	7.2	8.5	7.9	8.5	7.2	5.2	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	1.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7



TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

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	1.3	2.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	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

TEST NUMBER: P1313238

CATALOG NUMBER: P3SQAS09R309730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	37.4	37.4	37.4
2.5°	24.3	21.6	20.3
5°	13.8	10.5	9.8
7.5°	7.2	4.6	3.9
10°	2.6	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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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)