

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: P1314394

Luminaire Tested: P3SQAS13R359735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

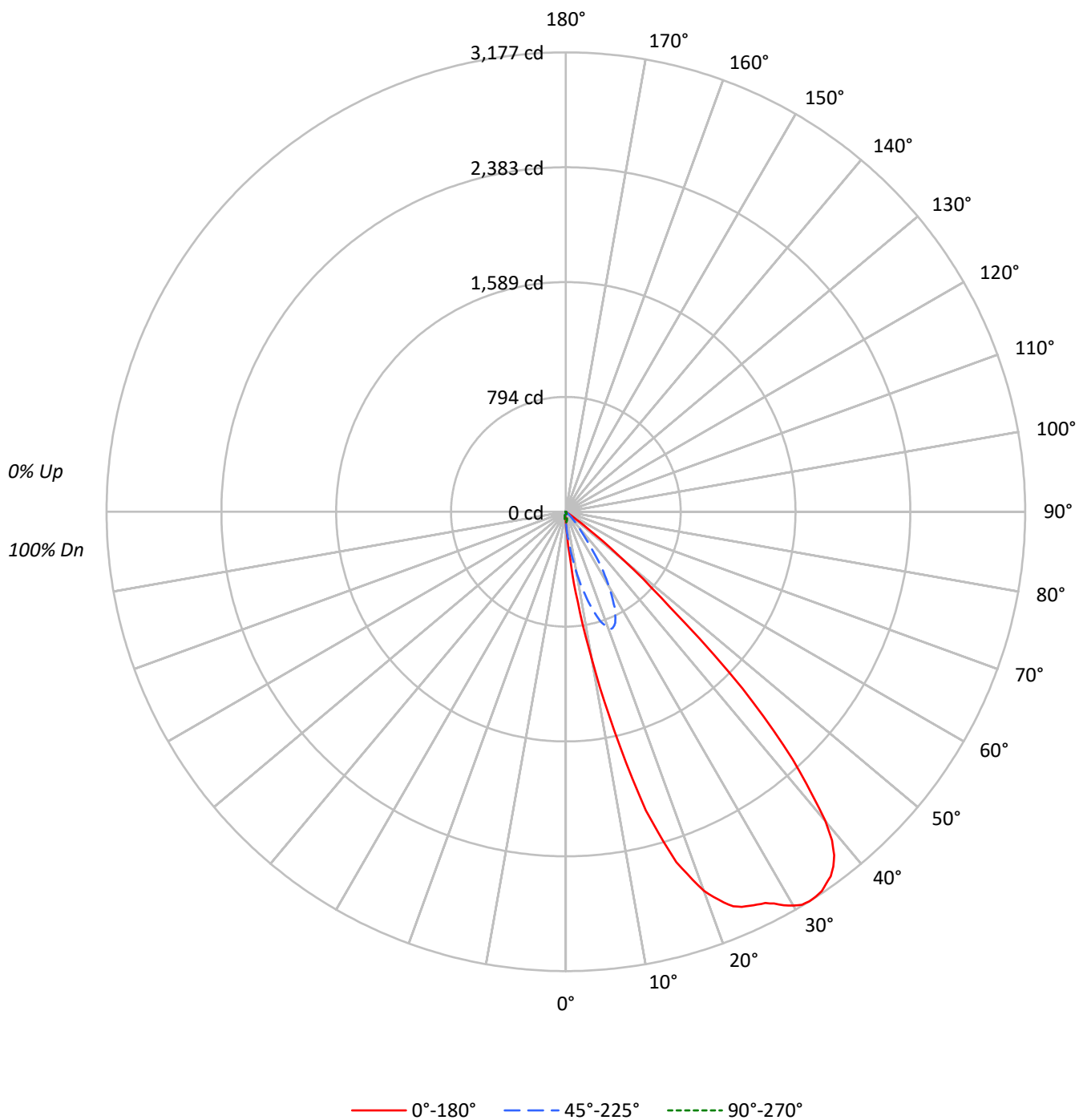
Lumens per Lamp: N/A
Luminaire Lumens: 949.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12314	12314	12314	12314	12314
5°	53524	33176	11427	4063	2818
10°	180178	74883	8552	944	315
15°	381272	122847	5331	0	0
20°	511229	156975	2493	0	0
25°	571353	154150	513	0	0
30°	625472	118106	0	0	0
35°	660106	64335	0	0	0
40°	627520	28912	0	0	0
45°	421163	12787	0	0	0
50°	140690	1206	0	0	0
55°	7597	0	0	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1198	0	0
80°	0	893	1785	0	0
85°	0	1778	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 421163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	1.6
10°-20°	131.7	13.9
20°-30°	288.9	30.4
30°-40°	334.2	35.2
40°-50°	165.0	17.4
50°-60°	12.2	1.3
60°-70°	0.4	0.0
70°-80°	0.7	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°	435.9	45.9
0°-40°	770.1	81.2
0°-60°	947.3	99.8
0°-90°	949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	72	72	72	72	72	
5°	310	192	66	24	16	53
15°	2138	689	30	0	0	603
25°	3007	811	3	0	0	1390
35°	3140	306	0	0	0	1939
45°	1729	52	0	0	0	1269
55°	25	0	0	0	0	104
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°	35°	45°	67.5°	90°
0°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2.5°	142.1	145.8	143.9	143.9	143.0	138.5	130.4	127.7	117.7	93.3	72.4
5°	309.6	310.5	307.8	294.2	282.5	271.6	248.1	237.2	191.9	114.1	66.1
7.5°	628.3	614.7	597.5	578.5	536.9	498.8	449.1	396.5	297.0	132.2	58.8
10°	1030.3	1011.3	996.8	951.5	876.4	798.5	703.5	617.4	428.2	144.9	48.9
12.5°	1549.0	1538.2	1486.6	1396.0	1284.7	1172.4	1006.7	870.0	560.4	147.6	39.8
15°	2138.4	2120.3	2041.6	1913.0	1761.8	1585.3	1363.4	1133.5	689.0	139.4	29.9
17.5°	2541.3	2531.3	2463.4	2328.5	2154.7	1930.2	1667.6	1380.7	794.9	122.2	20.8
20°	2789.4	2774.9	2711.5	2597.4	2415.5	2181.0	1869.5	1538.2	856.5	100.5	13.6
21°	2853.6	2839.2	2788.5	2669.9	2496.0	2244.4	1924.8	1576.2	868.2	90.5	10.9
22°	2914.3	2899.8	2846.4	2741.4	2569.4	2306.8	1968.2	1605.2	866.4	82.4	8.1
23°	2965.0	2949.6	2897.1	2800.2	2627.3	2362.0	2000.8	1619.7	854.6	74.2	6.3
24°	2991.3	2982.2	2935.1	2843.7	2674.4	2401.0	2023.4	1625.1	840.2	66.1	4.5
25°	3006.7	2995.8	2949.6	2865.4	2705.2	2431.8	2037.9	1620.6	811.2	58.8	2.7
26°	3022.9	3006.7	2954.1	2872.7	2721.5	2446.2	2038.8	1608.8	780.4	52.5	0.9
27°	3037.4	3022.0	2967.7	2878.1	2724.2	2441.7	2031.6	1586.2	743.3	46.2	0.9
28°	3069.1	3051.9	2989.5	2889.9	2726.9	2429.9	2009.0	1555.4	694.4	40.7	0.0
29°	3110.8	3092.7	3021.1	2917.9	2733.2	2417.3	1978.2	1514.6	651.8	36.2	0.0
30°	3145.2	3128.9	3062.8	2953.2	2749.5	2405.5	1942.0	1459.4	593.9	30.8	0.0
31°	3170.5	3154.2	3093.6	2983.1	2764.0	2394.6	1896.7	1402.4	541.4	27.2	0.0
32°	3176.9	3163.3	3106.2	2995.8	2764.0	2378.3	1855.1	1338.1	489.8	22.6	0.0
33°	3174.1	3160.6	3102.6	2986.7	2739.6	2339.4	1804.4	1261.1	430.9	19.9	0.0
34°	3164.2	3147.9	3086.3	2957.8	2691.6	2273.3	1731.0	1184.2	369.4	16.3	0.0
35°	3139.7	3125.3	3058.3	2903.4	2617.4	2172.8	1633.2	1095.5	306.0	13.6	0.0
36°	3116.2	3094.5	3012.1	2836.4	2519.6	2069.6	1516.5	993.2	251.7	10.9	0.0
37°	3072.7	3042.0	2958.7	2739.6	2381.1	1923.9	1383.4	880.9	210.9	8.1	0.0
38°	3014.8	2973.2	2867.2	2627.3	2241.6	1787.2	1258.4	779.5	177.4	5.4	0.0
39°	2925.2	2876.3	2732.3	2473.4	2080.5	1628.7	1115.4	671.8	151.2	3.6	0.0
40°	2791.2	2745.0	2585.7	2290.5	1920.2	1454.0	968.7	550.4	128.6	1.8	0.0
42.5°	2324.0	2260.6	2076.0	1782.6	1419.6	1045.7	641.0	306.0	85.1	0.0	0.0
45°	1729.2	1673.1	1492.0	1224.9	946.1	640.1	343.1	180.2	52.5	0.0	0.0
47.5°	976.9	970.5	852.8	703.5	527.8	340.4	173.8	108.6	22.6	0.0	0.0
50°	525.1	492.5	424.6	322.3	220.0	148.5	94.2	59.8	4.5	0.0	0.0
52.5°	191.9	185.6	155.7	129.5	99.6	67.9	48.0	26.3	0.0	0.0	0.0
55°	25.3	23.5	24.4	26.3	27.2	23.5	15.4	5.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	1.8	1.8	1.8	0.0	0.0	0.0	0.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
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):

	112.5°	135°	157.5°	180°
0°	71.5	71.5	71.5	71.5
2.5°	55.2	42.6	36.2	35.3
5°	38.0	23.5	17.2	16.3
7.5°	26.3	11.8	8.1	7.2
10°	15.4	5.4	2.7	1.8
12.5°	9.1	0.9	0.0	0.0
15°	2.7	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.0	0.0	0.0
85°	0.9	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)