

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: P1313422

Luminaire Tested: P3SQAS13R359730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313422
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: P3SQAS13R359730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

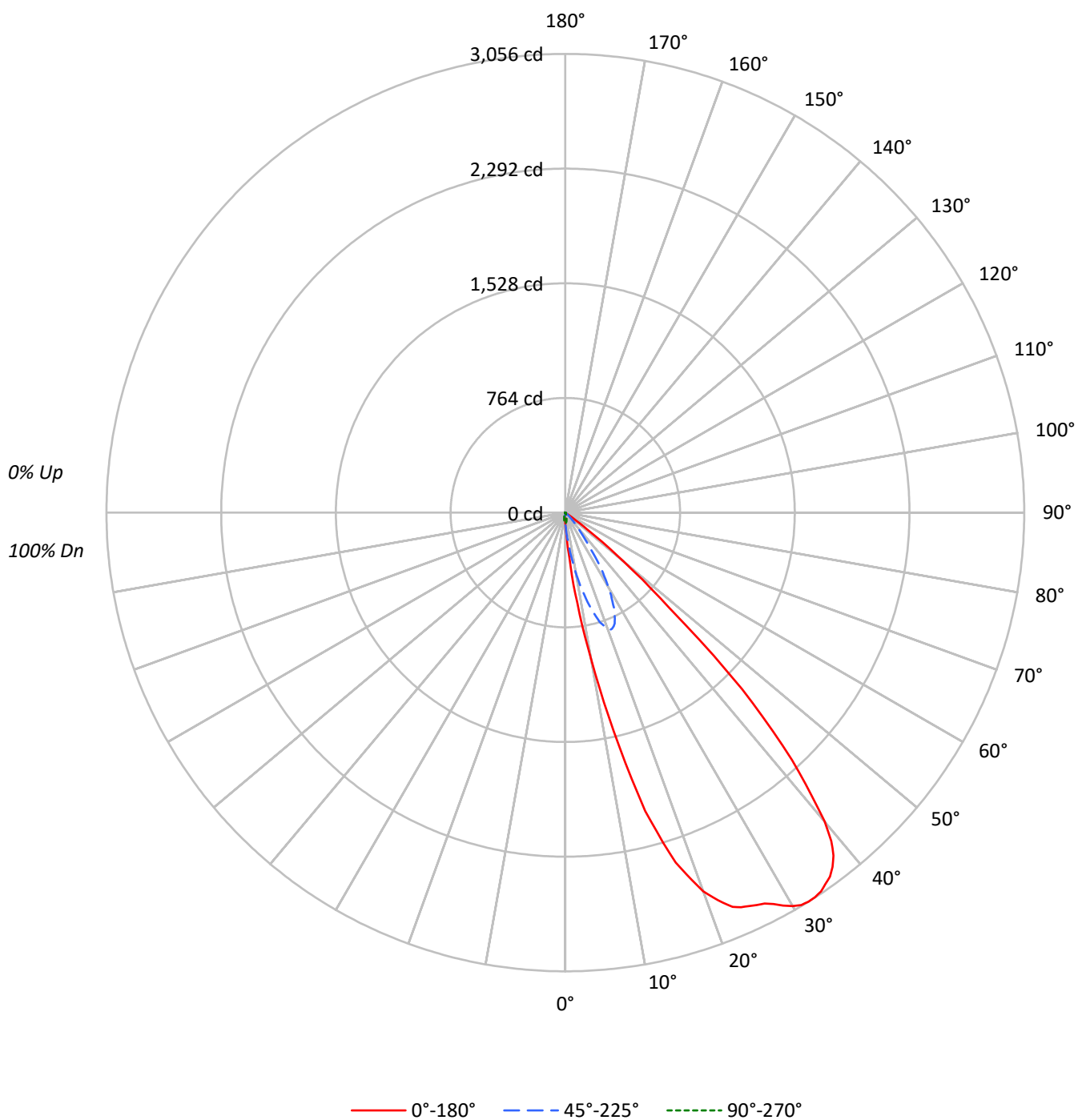
Lumens per Lamp: N/A
Luminaire Lumens: 913.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	11849	11849	11849	11849	11849
5°	51501	31931	10995	3907	2714
10°	173341	72050	8219	909	297
15°	366812	118176	5117	0	0
20°	491838	151019	2401	0	0
25°	549671	148297	494	0	0
30°	601747	113632	0	0	0
35°	635066	61896	0	0	0
40°	603711	27810	0	0	0
45°	405186	12300	0	0	0
50°	135359	1179	0	0	0
55°	7326	0	0	0	0
60°	0	0	310	0	0
65°	0	0	693	0	0
70°	0	453	856	0	0
75°	0	599	1131	0	0
80°	0	893	1686	0	0
85°	0	1778	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 405186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	1.6
10°-20°	126.7	13.9
20°-30°	277.9	30.4
30°-40°	321.5	35.2
40°-50°	158.7	17.4
50°-60°	11.7	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°	419.4	45.9
0°-40°	740.9	81.2
0°-60°	911.3	99.8
0°-90°	913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	298	185	64	23	16	51
15°	2057	663	29	0	0	581
25°	2893	780	3	0	0	1337
35°	3021	294	0	0	0	1865
45°	1664	50	0	0	0	1221
55°	24	0	0	0	0	100
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°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	136.7	140.2	138.5	138.5	137.6	133.3	125.4	122.8	113.2	89.7	69.7
5°	297.9	298.8	296.1	283.1	271.8	261.3	238.7	228.2	184.7	109.7	63.6
7.5°	604.5	591.4	574.9	556.6	516.5	479.9	432.0	381.5	285.7	127.2	56.6
10°	991.2	972.9	959.0	915.4	843.1	768.2	676.8	594.0	412.0	139.4	47.0
12.5°	1490.3	1479.8	1430.2	1343.1	1236.0	1127.9	968.6	837.0	539.1	142.0	38.3
15°	2057.3	2039.9	1964.1	1840.4	1695.0	1525.1	1311.7	1090.5	662.8	134.1	28.7
17.5°	2444.9	2435.3	2370.0	2240.2	2073.0	1857.0	1604.4	1328.3	764.7	117.6	20.0
20°	2683.6	2669.6	2608.6	2498.9	2323.8	2098.2	1798.6	1479.8	824.0	96.7	13.1
21°	2745.4	2731.5	2682.7	2568.6	2401.4	2159.2	1851.7	1516.4	835.3	87.1	10.5
22°	2803.8	2789.8	2738.4	2637.4	2471.9	2219.3	1893.6	1544.3	833.5	79.3	7.8
23°	2852.5	2837.7	2787.2	2694.0	2527.6	2272.4	1924.9	1558.2	822.2	71.4	6.1
24°	2877.8	2869.1	2823.8	2735.8	2572.9	2309.9	1946.7	1563.4	808.3	63.6	4.4
25°	2892.6	2882.1	2837.7	2756.7	2602.6	2339.5	1960.6	1559.1	780.4	56.6	2.6
26°	2908.3	2892.6	2842.1	2763.7	2618.2	2353.4	1961.5	1547.8	750.8	50.5	0.9
27°	2922.2	2907.4	2855.1	2768.9	2620.8	2349.1	1954.5	1526.0	715.1	44.4	0.9
28°	2952.7	2936.1	2876.0	2780.2	2623.5	2337.8	1932.8	1496.4	668.1	39.2	0.0
29°	2992.8	2975.3	2906.5	2807.2	2629.6	2325.6	1903.1	1457.2	627.1	34.8	0.0
30°	3025.9	3010.2	2946.6	2841.2	2645.2	2314.3	1868.3	1404.1	571.4	29.6	0.0
31°	3050.2	3034.6	2976.2	2869.9	2659.2	2303.8	1824.7	1349.2	520.9	26.1	0.0
32°	3056.3	3043.3	2988.4	2882.1	2659.2	2288.1	1784.7	1287.3	471.2	21.8	0.0
33°	3053.7	3040.7	2984.9	2873.4	2635.6	2250.7	1735.9	1213.3	414.6	19.2	0.0
34°	3044.1	3028.5	2969.2	2845.6	2589.5	2187.1	1665.4	1139.3	355.4	15.7	0.0
35°	3020.6	3006.7	2942.2	2793.3	2518.1	2090.4	1571.3	1053.9	294.4	13.1	0.0
36°	2998.0	2977.1	2897.8	2728.8	2424.0	1991.1	1458.9	955.5	242.1	10.5	0.0
37°	2956.2	2926.6	2846.4	2635.6	2290.7	1850.9	1330.9	847.5	202.9	7.8	0.0
38°	2900.4	2860.4	2758.5	2527.6	2156.6	1719.4	1210.7	749.9	170.7	5.2	0.0
39°	2814.2	2767.2	2628.7	2379.6	2001.6	1566.9	1073.1	646.3	145.5	3.5	0.0
40°	2685.3	2640.9	2487.6	2203.6	1847.4	1398.8	932.0	529.6	123.7	1.7	0.0
42.5°	2235.9	2174.9	1997.2	1715.0	1365.7	1006.0	616.7	294.4	81.9	0.0	0.0
45°	1663.6	1609.6	1435.4	1178.5	910.2	615.8	330.1	173.3	50.5	0.0	0.0
47.5°	939.8	933.7	820.5	676.8	507.8	327.5	167.2	104.5	21.8	0.0	0.0
50°	505.2	473.8	408.5	310.1	211.7	142.8	90.6	57.5	4.4	0.0	0.0
52.5°	184.7	178.6	149.8	124.6	95.8	65.3	46.2	25.3	0.0	0.0	0.0
55°	24.4	22.6	23.5	25.3	26.1	22.6	14.8	5.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	1.7	1.7	1.7	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	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7



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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	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
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):

	112.5°	135°	157.5°	180°
0°	68.8	68.8	68.8	68.8
2.5°	53.1	40.9	34.8	34.0
5°	36.6	22.6	16.5	15.7
7.5°	25.3	11.3	7.8	7.0
10°	14.8	5.2	2.6	1.7
12.5°	8.7	0.9	0.0	0.0
15°	2.6	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)