

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: P1317113

Luminaire Tested: P3SQAS13R309830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317113
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: P3SQAS13R309830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

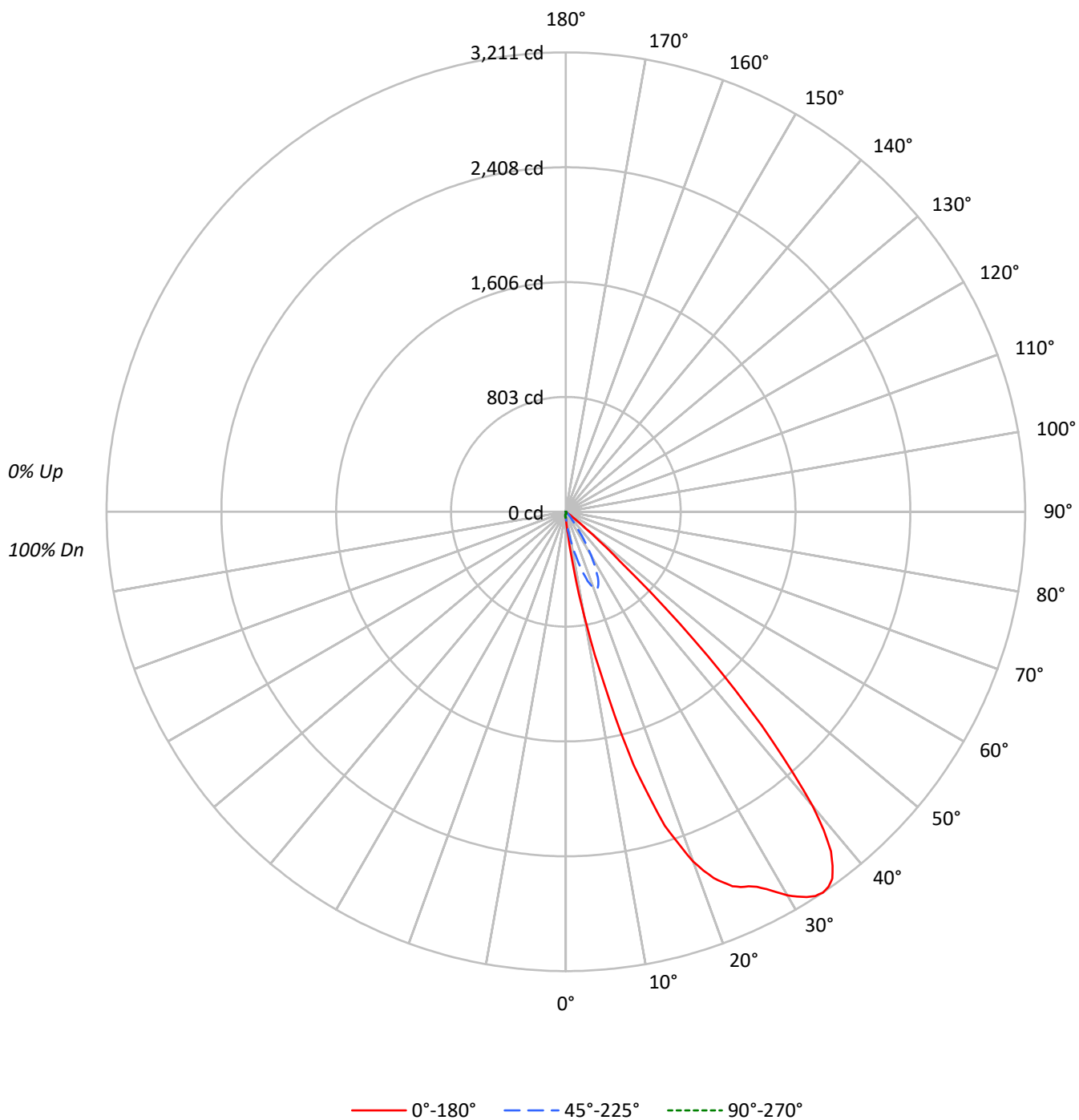
Lumens per Lamp: N/A
Luminaire Lumens: 773.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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°	7113	7113	7113	7113	7113
5°	25828	16061	6518	2628	1884
10°	127872	38439	5072	507	0
15°	326196	73209	3227	0	0
20°	476626	104100	1338	0	0
25°	549880	102139	285	0	0
30°	615409	70120	0	0	0
35°	673057	30191	0	0	0
40°	604071	11736	0	0	0
45°	308493	4774	0	0	0
50°	47611	589	0	0	0
55°	2822	0	210	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	1464	0	0
80°	0	694	2182	0	0
85°	0	1383	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 308493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	1.1
10°-20°	103.0	13.3
20°-30°	254.5	32.9
30°-40°	292.7	37.9
40°-50°	108.6	14.0
50°-60°	3.9	0.5
60°-70°	0.4	0.0
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°	366.2	47.4
0°-40°	658.9	85.2
0°-60°	771.4	99.8
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	149	93	38	15	11	32
15°	1830	411	18	0	0	526
25°	2894	538	2	0	0	1337
35°	3201	144	0	0	0	1941
45°	1267	20	0	0	0	986
55°	9	0	1	0	0	32
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°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2.5°	73.3	74.0	74.0	71.8	71.1	70.4	68.2	61.7	51.5	41.3	33.4
5°	149.4	150.2	150.2	145.8	137.1	128.4	121.1	92.9	59.5	37.7	24.7
7.5°	352.6	353.3	338.0	320.6	285.8	267.7	234.3	142.9	67.5	34.1	16.0
10°	731.2	715.3	675.4	624.6	570.9	501.3	430.9	219.8	73.3	29.0	10.2
12.5°	1222.3	1207.1	1155.6	1083.0	977.9	841.5	708.0	309.0	74.0	23.2	5.8
15°	1829.5	1786.7	1725.0	1604.6	1449.4	1238.3	1017.8	410.6	71.1	18.1	1.5
17.5°	2300.3	2261.1	2182.8	2042.1	1849.1	1614.8	1344.2	507.1	63.1	11.6	0.0
20°	2600.6	2559.3	2486.0	2362.0	2156.7	1881.7	1572.0	568.0	52.2	7.3	0.0
21°	2686.2	2646.3	2574.5	2451.2	2246.6	1972.4	1627.8	581.1	47.2	5.8	0.0
22°	2761.7	2730.5	2663.7	2529.5	2321.3	2039.2	1684.4	582.5	43.5	4.4	0.0
23°	2814.6	2792.1	2725.4	2602.1	2394.6	2093.6	1714.9	573.8	39.2	2.9	0.0
24°	2865.4	2837.8	2780.5	2665.9	2452.6	2139.3	1742.5	557.8	34.8	2.2	0.0
25°	2893.7	2861.8	2817.5	2710.2	2500.5	2168.3	1759.1	537.5	30.5	1.5	0.0
26°	2913.3	2888.6	2840.0	2736.3	2520.8	2187.1	1761.3	507.8	27.6	0.7	0.0
27°	2943.0	2918.4	2871.2	2759.5	2529.5	2184.2	1748.3	473.7	23.9	0.0	0.0
28°	2988.0	2955.4	2908.2	2784.2	2533.2	2171.9	1719.2	436.7	20.3	0.0	0.0
29°	3039.5	3006.1	2954.6	2816.8	2533.9	2147.2	1673.5	396.1	18.1	0.0	0.0
30°	3094.6	3065.6	3013.4	2848.7	2541.9	2115.3	1620.6	352.6	14.5	0.0	0.0
31°	3138.2	3112.0	3056.2	2877.7	2548.4	2087.8	1555.3	309.0	12.3	0.0	0.0
32°	3175.9	3152.7	3083.8	2884.3	2535.3	2048.6	1485.7	267.0	10.2	0.0	0.0
33°	3202.0	3173.0	3092.5	2867.6	2497.6	1984.0	1408.0	227.1	8.0	0.0	0.0
34°	3211.4	3176.6	3079.4	2824.1	2421.4	1886.1	1307.2	185.7	6.5	0.0	0.0
35°	3201.3	3158.5	3032.2	2749.3	2318.4	1769.3	1186.1	143.6	5.1	0.0	0.0
36°	3168.6	3114.2	2964.8	2642.7	2171.2	1631.5	1064.9	111.7	3.6	0.0	0.0
37°	3098.3	3038.1	2849.4	2502.0	2025.4	1473.3	927.1	87.1	2.2	0.0	0.0
38°	3011.9	2924.9	2695.7	2324.2	1836.8	1295.6	790.7	71.8	1.5	0.0	0.0
39°	2864.7	2768.9	2512.8	2119.7	1651.8	1126.6	658.0	62.4	0.7	0.0	0.0
40°	2686.9	2573.1	2303.9	1900.6	1433.4	949.6	549.1	52.2	0.7	0.0	0.0
42.5°	2026.8	1930.3	1640.9	1292.7	876.3	560.0	304.7	34.1	0.0	0.0	0.0
45°	1266.6	1165.7	969.9	708.7	474.4	290.2	146.5	19.6	0.0	0.0	0.0
47.5°	517.2	474.4	390.3	300.3	214.7	136.4	60.9	8.7	0.0	0.0	0.0
50°	177.7	158.1	132.8	97.2	68.9	47.2	31.9	2.2	0.0	0.0	0.0
52.5°	51.5	52.2	45.7	39.2	30.5	21.8	16.0	0.0	0.0	0.0	0.0
55°	9.4	8.0	9.4	8.7	9.4	8.0	5.8	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	1.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	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	1.5	2.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	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°	41.3	41.3	41.3
2.5°	26.8	23.9	22.5
5°	15.2	11.6	10.9
7.5°	8.0	5.1	4.4
10°	2.9	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

TEST NUMBER: P1317113

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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)