

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: P1314209

Luminaire Tested: P3SQAS09R309735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314209
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: P3SQAS09R309735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

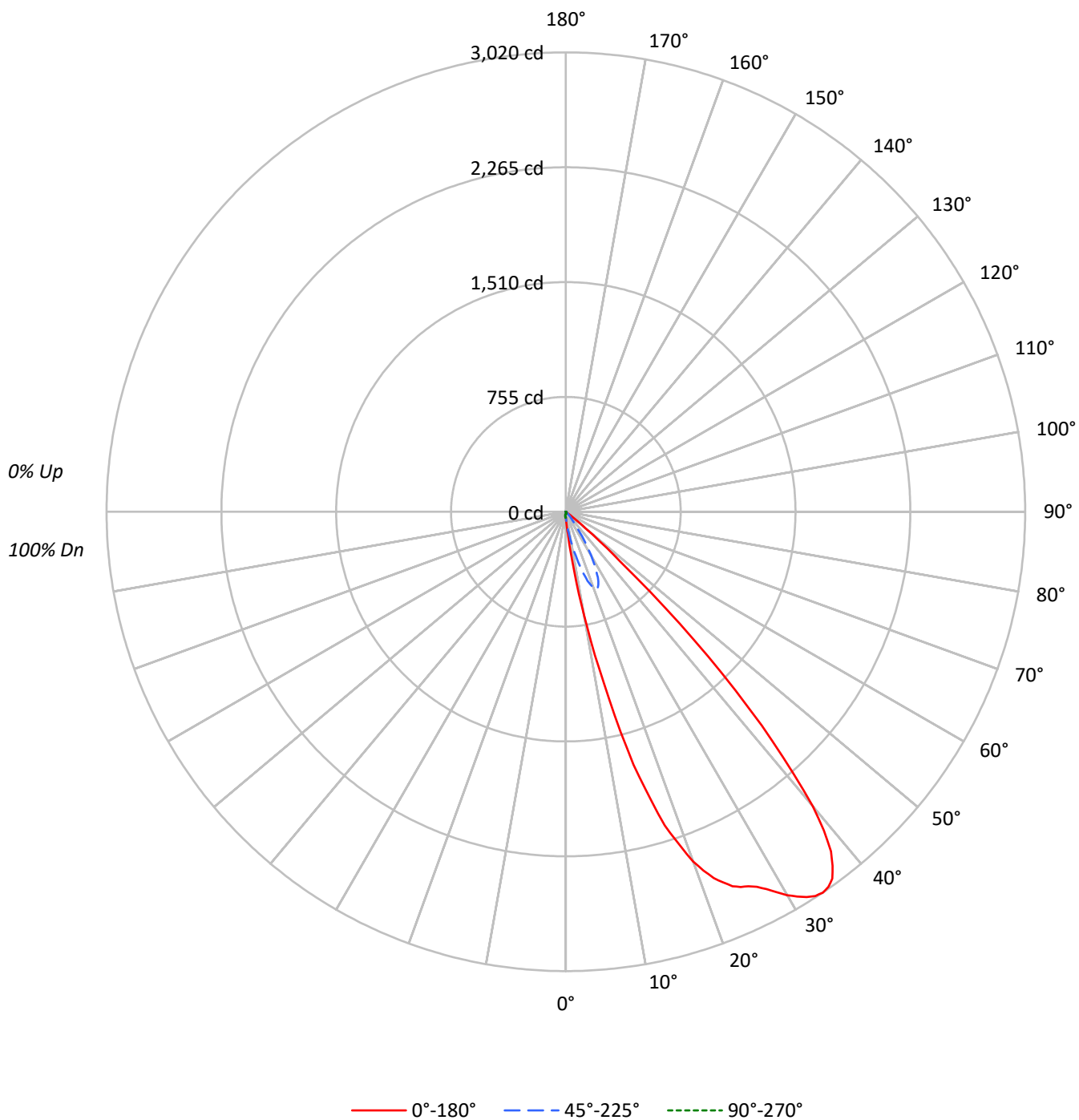
Lumens per Lamp: N/A
Luminaire Lumens: 727.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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			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°	24290	15092	6137	2472	1763
10°	120265	36148	4774	472	0
15°	306780	68859	3049	0	0
20°	448274	97906	1246	0	0
25°	517158	96058	266	0	0
30°	578798	65944	0	0	0
35°	633006	28404	0	0	0
40°	568144	11039	0	0	0
45°	290128	4481	0	0	0
50°	44798	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: 290128 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.1
10°-20°	96.9	13.3
20°-30°	239.4	32.9
30°-40°	275.3	37.9
40°-50°	102.1	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°	344.4	47.4
0°-40°	619.7	85.2
0°-60°	725.5	99.8
0°-90°	727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	140	87	36	14	10	30
15°	1721	386	17	0	0	495
25°	2722	506	1	0	0	1257
35°	3011	135	0	0	0	1825
45°	1191	18	0	0	0	928
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°	68.9	69.6	69.6	67.5	66.9	66.2	64.1	58.0	48.4	38.9	31.4
5°	140.5	141.2	141.2	137.1	128.9	120.8	113.9	87.3	55.9	35.5	23.2
7.5°	331.6	332.3	317.9	301.6	268.8	251.8	220.4	134.4	63.4	32.1	15.0
10°	687.7	672.7	635.2	587.4	536.9	471.4	405.3	206.7	68.9	27.3	9.6
12.5°	1149.6	1135.3	1086.8	1018.6	919.7	791.4	665.9	290.6	69.6	21.8	5.5
15°	1720.6	1680.4	1622.4	1509.1	1363.1	1164.6	957.2	386.2	66.9	17.1	1.4
17.5°	2163.4	2126.6	2052.9	1920.5	1739.1	1518.7	1264.2	476.9	59.4	10.9	0.0
20°	2445.9	2407.0	2338.1	2221.4	2028.3	1769.8	1478.4	534.2	49.1	6.8	0.0
21°	2526.4	2488.8	2421.3	2305.3	2112.9	1855.0	1531.0	546.5	44.3	5.5	0.0
22°	2597.3	2568.0	2505.2	2379.0	2183.2	1917.8	1584.2	547.8	40.9	4.1	0.0
23°	2647.1	2626.0	2563.2	2447.2	2252.1	1969.0	1612.8	539.7	36.8	2.7	0.0
24°	2694.9	2669.0	2615.1	2507.3	2306.7	2012.0	1638.8	524.7	32.7	2.0	0.0
25°	2721.5	2691.5	2649.9	2548.9	2351.7	2039.2	1654.5	505.5	28.7	1.4	0.0
26°	2739.9	2716.7	2671.0	2573.4	2370.8	2057.0	1656.5	477.6	25.9	0.7	0.0
27°	2767.9	2744.7	2700.3	2595.3	2379.0	2054.3	1644.2	445.5	22.5	0.0	0.0
28°	2810.2	2779.5	2735.1	2618.5	2382.4	2042.7	1616.9	410.7	19.1	0.0	0.0
29°	2858.6	2827.2	2778.8	2649.2	2383.1	2019.5	1574.0	372.5	17.1	0.0	0.0
30°	2910.5	2883.2	2834.1	2679.2	2390.6	1989.4	1524.1	331.6	13.6	0.0	0.0
31°	2951.4	2926.9	2874.3	2706.5	2396.7	1963.5	1462.7	290.6	11.6	0.0	0.0
32°	2986.9	2965.1	2900.2	2712.6	2384.5	1926.7	1397.2	251.1	9.6	0.0	0.0
33°	3011.5	2984.2	2908.4	2696.9	2349.0	1866.0	1324.2	213.5	7.5	0.0	0.0
34°	3020.3	2987.6	2896.2	2656.0	2277.3	1773.8	1229.4	174.7	6.1	0.0	0.0
35°	3010.8	2970.5	2851.8	2585.7	2180.5	1664.0	1115.5	135.1	4.8	0.0	0.0
36°	2980.1	2928.9	2788.4	2485.4	2042.0	1534.4	1001.5	105.1	3.4	0.0	0.0
37°	2913.9	2857.3	2679.9	2353.1	1904.8	1385.6	871.9	81.9	2.0	0.0	0.0
38°	2832.7	2750.8	2535.2	2185.9	1727.5	1218.5	743.7	67.5	1.4	0.0	0.0
39°	2694.2	2604.1	2363.3	1993.5	1553.5	1059.5	618.8	58.7	0.7	0.0	0.0
40°	2527.1	2419.9	2166.8	1787.5	1348.1	893.1	516.5	49.1	0.7	0.0	0.0
42.5°	1906.2	1815.5	1543.2	1215.8	824.2	526.7	286.5	32.1	0.0	0.0	0.0
45°	1191.2	1096.4	912.2	666.6	446.2	272.9	137.8	18.4	0.0	0.0	0.0
47.5°	486.4	446.2	367.1	282.5	201.9	128.3	57.3	8.2	0.0	0.0	0.0
50°	167.2	148.7	124.9	91.4	64.8	44.3	30.0	2.0	0.0	0.0	0.0
52.5°	48.4	49.1	43.0	36.8	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°	25.2	22.5	21.1
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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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)