

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: P1315798

Luminaire Tested: P3SQAS02R309827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315798
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: P3SQAS02R309827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

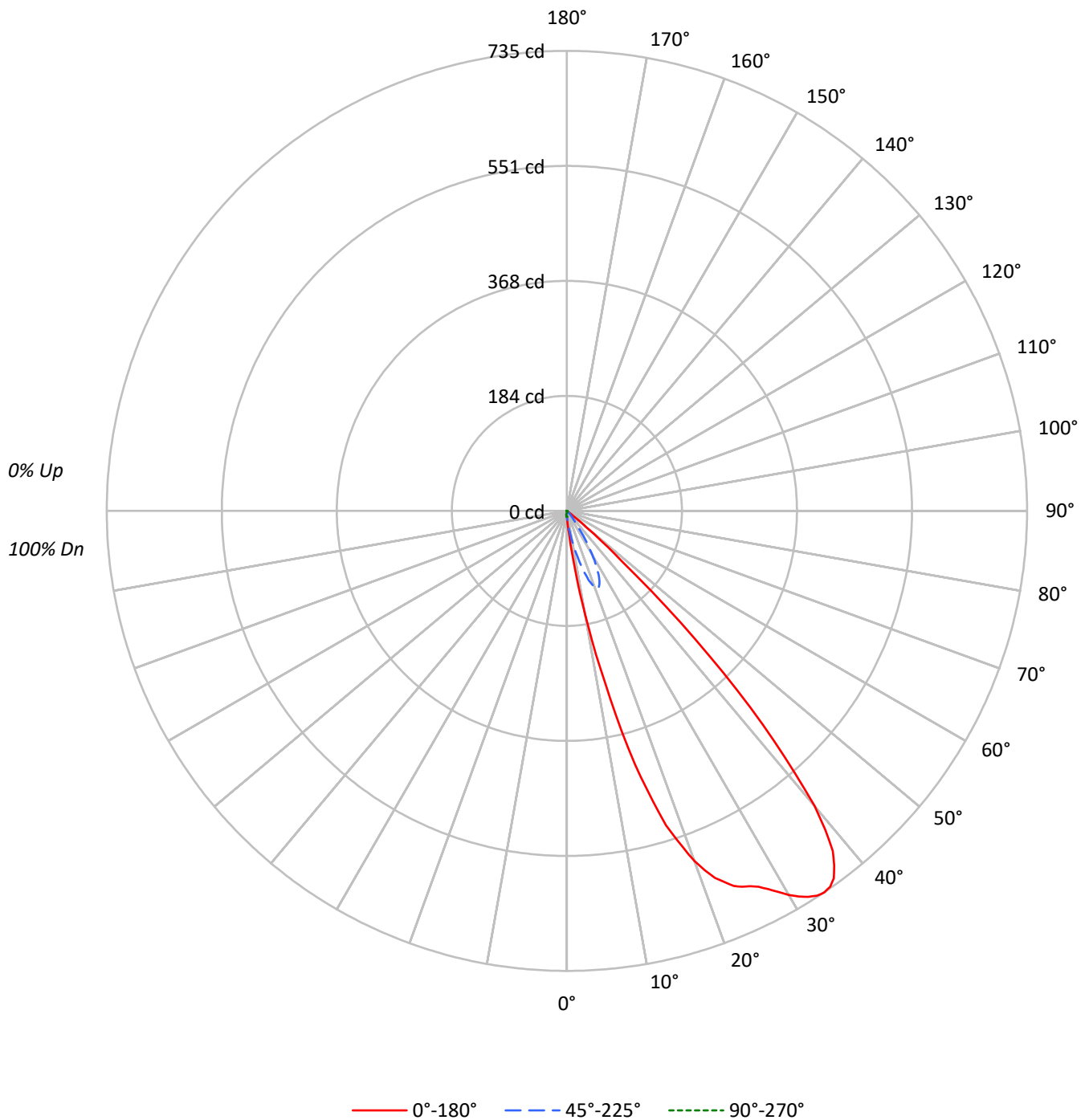
Lumens per Lamp: N/A
Luminaire Lumens: 177.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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			0
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°	1636	1636	1636	1636	1636
5°	5913	3682	1487	605	432
10°	29275	8796	1154	122	0
15°	74689	16760	749	0	0
20°	109141	23844	312	0	0
25°	125912	23392	57	0	0
30°	140916	16048	0	0	0
35°	154110	6917	0	0	0
40°	138332	2698	0	0	0
45°	70632	1096	0	0	0
50°	10905	134	0	0	0
55°	661	0	60	0	0
60°	0	0	69	0	0
65°	0	0	122	0	0
70°	0	101	151	0	0
75°	0	133	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	1.1
10°-20°	23.6	13.3
20°-30°	58.3	32.9
30°-40°	67.0	37.9
40°-50°	24.9	14.0
50°-60°	0.9	0.5
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.1	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°	83.8	47.4
0°-40°	150.9	85.2
0°-60°	176.6	99.8
0°-90°	177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	34	21	9	4	2	7
15°	419	94	4	0	0	120
25°	663	123	0	0	0	306
35°	733	33	0	0	0	444
45°	290	4	0	0	0	226
55°	2	0	0	0	0	7
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
2.5°	16.8	16.9	16.9	16.4	16.3	16.1	15.6	14.1	11.8	9.5	7.6
5°	34.2	34.4	34.4	33.4	31.4	29.4	27.7	21.3	13.6	8.6	5.6
7.5°	80.7	80.9	77.4	73.4	65.4	61.3	53.7	32.7	15.4	7.8	3.7
10°	167.4	163.8	154.6	143.0	130.7	114.8	98.7	50.3	16.8	6.6	2.3
12.5°	279.9	276.4	264.6	248.0	223.9	192.7	162.1	70.8	16.9	5.3	1.3
15°	418.9	409.1	395.0	367.4	331.9	283.5	233.0	94.0	16.3	4.2	0.3
17.5°	526.7	517.7	499.8	467.6	423.4	369.7	307.8	116.1	14.5	2.7	0.0
20°	595.5	586.0	569.2	540.8	493.8	430.9	359.9	130.1	12.0	1.7	0.0
21°	615.1	606.0	589.5	561.3	514.4	451.6	372.7	133.0	10.8	1.3	0.0
22°	632.4	625.2	609.9	579.2	531.5	466.9	385.7	133.4	10.0	1.0	0.0
23°	644.5	639.3	624.1	595.8	548.3	479.4	392.7	131.4	9.0	0.7	0.0
24°	656.1	649.8	636.7	610.4	561.6	489.8	399.0	127.7	8.0	0.5	0.0
25°	662.6	655.3	645.2	620.6	572.6	496.5	402.8	123.1	7.0	0.3	0.0
26°	667.1	661.4	650.3	626.5	577.2	500.8	403.3	116.3	6.3	0.2	0.0
27°	673.9	668.2	657.4	631.9	579.2	500.1	400.3	108.5	5.5	0.0	0.0
28°	684.2	676.7	665.9	637.5	580.0	497.3	393.7	100.0	4.7	0.0	0.0
29°	696.0	688.3	676.5	645.0	580.2	491.7	383.2	90.7	4.2	0.0	0.0
30°	708.6	702.0	690.0	652.3	582.0	484.4	371.1	80.7	3.3	0.0	0.0
31°	718.6	712.6	699.8	658.9	583.5	478.0	356.1	70.8	2.8	0.0	0.0
32°	727.2	721.9	706.1	660.4	580.5	469.1	340.2	61.1	2.3	0.0	0.0
33°	733.2	726.5	708.1	656.6	571.9	454.3	322.4	52.0	1.8	0.0	0.0
34°	735.3	727.4	705.1	646.6	554.5	431.9	299.3	42.5	1.5	0.0	0.0
35°	733.0	723.2	694.3	629.5	530.9	405.1	271.6	32.9	1.2	0.0	0.0
36°	725.5	713.1	678.9	605.1	497.2	373.6	243.8	25.6	0.8	0.0	0.0
37°	709.4	695.6	652.5	572.9	463.8	337.4	212.3	19.9	0.5	0.0	0.0
38°	689.7	669.7	617.2	532.2	420.6	296.7	181.1	16.4	0.3	0.0	0.0
39°	655.9	634.0	575.4	485.4	378.2	258.0	150.7	14.3	0.2	0.0	0.0
40°	615.3	589.2	527.5	435.2	328.2	217.4	125.7	12.0	0.2	0.0	0.0
42.5°	464.1	442.0	375.7	296.0	200.7	128.2	69.8	7.8	0.0	0.0	0.0
45°	290.0	266.9	222.1	162.3	108.6	66.4	33.6	4.5	0.0	0.0	0.0
47.5°	118.4	108.6	89.4	68.8	49.2	31.2	14.0	2.0	0.0	0.0	0.0
50°	40.7	36.2	30.4	22.3	15.8	10.8	7.3	0.5	0.0	0.0	0.0
52.5°	11.8	12.0	10.5	9.0	7.0	5.0	3.7	0.0	0.0	0.0	0.0
55°	2.2	1.8	2.2	2.0	2.2	1.8	1.3	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2



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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	0.2	0.3	0.5	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.2
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°	9.5	9.5	9.5
2.5°	6.1	5.5	5.1
5°	3.5	2.7	2.5
7.5°	1.8	1.2	1.0
10°	0.7	0.2	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)