

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: P1312913

Luminaire Tested: P3SQAS02R309730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312913
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: P3SQAS02R309730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

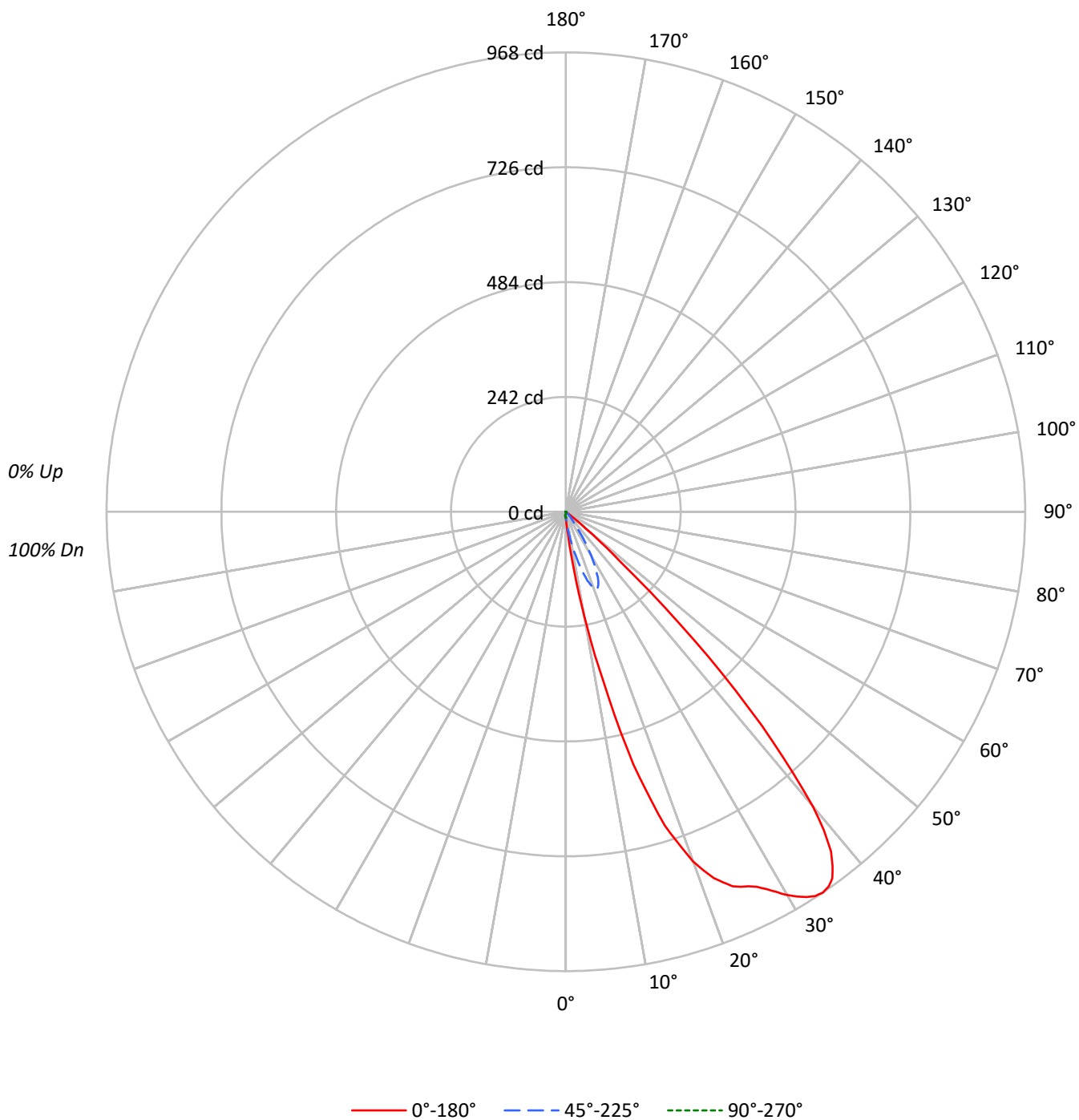
Lumens per Lamp: N/A
Luminaire Lumens: 233.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	70	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°	2153	2153	2153	2153	2153
5°	7780	4841	1971	795	571
10°	38543	11595	1521	157	0
15°	98331	22073	981	0	0
20°	143670	31377	403	0	0
25°	165741	30784	76	0	0
30°	185502	21139	0	0	0
35°	202865	9104	0	0	0
40°	182082	3530	0	0	0
45°	92991	1437	0	0	0
50°	14361	188	0	0	0
55°	841	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	466	0	0
80°	0	198	694	0	0
85°	0	395	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92991 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	1.1
10°-20°	31.0	13.3
20°-30°	76.7	32.9
30°-40°	88.2	37.9
40°-50°	32.7	14.0
50°-60°	1.2	0.5
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	110.4	47.4
0°-40°	198.6	85.2
0°-60°	232.5	99.8
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	45	28	11	5	3	10
15°	552	124	6	0	0	159
25°	872	162	0	0	0	403
35°	965	43	0	0	0	585
45°	382	6	0	0	0	297
55°	3	0	0	0	0	10
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	22.1	22.3	22.3	21.6	21.4	21.2	20.6	18.6	15.5	12.5	10.1
5°	45.0	45.3	45.3	44.0	41.3	38.7	36.5	28.0	17.9	11.4	7.4
7.5°	106.3	106.5	101.9	96.6	86.2	80.7	70.6	43.1	20.3	10.3	4.8
10°	220.4	215.6	203.6	188.3	172.1	151.1	129.9	66.3	22.1	8.7	3.1
12.5°	368.4	363.8	348.3	326.5	294.8	253.6	213.4	93.1	22.3	7.0	1.7
15°	551.5	538.6	520.0	483.7	436.9	373.2	306.8	123.8	21.4	5.5	0.4
17.5°	693.4	681.6	657.9	615.5	557.4	486.7	405.2	152.8	19.0	3.5	0.0
20°	783.9	771.4	749.3	711.9	650.1	567.2	473.8	171.2	15.7	2.2	0.0
21°	809.7	797.7	776.0	738.8	677.2	594.5	490.7	175.1	14.2	1.7	0.0
22°	832.4	823.0	802.9	762.5	699.7	614.6	507.7	175.6	13.1	1.3	0.0
23°	848.4	841.6	821.5	784.3	721.8	631.0	516.9	173.0	11.8	0.9	0.0
24°	863.7	855.4	838.1	803.6	739.3	644.8	525.2	168.1	10.5	0.7	0.0
25°	872.2	862.6	849.3	816.9	753.7	653.6	530.2	162.0	9.2	0.4	0.0
26°	878.1	870.7	856.0	824.8	759.8	659.3	530.9	153.1	8.3	0.2	0.0
27°	887.1	879.7	865.4	831.8	762.5	658.4	527.0	142.8	7.2	0.0	0.0
28°	900.7	890.8	876.6	839.2	763.6	654.7	518.2	131.6	6.1	0.0	0.0
29°	916.2	906.1	890.6	849.0	763.8	647.2	504.4	119.4	5.5	0.0	0.0
30°	932.8	924.0	908.3	858.7	766.2	637.6	488.5	106.3	4.4	0.0	0.0
31°	945.9	938.0	921.2	867.4	768.1	629.3	468.8	93.1	3.7	0.0	0.0
32°	957.3	950.3	929.5	869.4	764.2	617.5	447.8	80.5	3.1	0.0	0.0
33°	965.2	956.4	932.1	864.4	752.8	598.0	424.4	68.4	2.4	0.0	0.0
34°	968.0	957.5	928.2	851.2	729.9	568.5	394.0	56.0	2.0	0.0	0.0
35°	964.9	952.0	914.0	828.7	698.8	533.3	357.5	43.3	1.5	0.0	0.0
36°	955.1	938.7	893.7	796.6	654.4	491.8	321.0	33.7	1.1	0.0	0.0
37°	933.9	915.7	858.9	754.2	610.5	444.1	279.4	26.2	0.7	0.0	0.0
38°	907.9	881.6	812.5	700.6	553.6	390.5	238.3	21.6	0.4	0.0	0.0
39°	863.5	834.6	757.4	638.9	497.9	339.6	198.3	18.8	0.2	0.0	0.0
40°	809.9	775.6	694.5	572.9	432.1	286.2	165.5	15.7	0.2	0.0	0.0
42.5°	610.9	581.8	494.6	389.6	264.1	168.8	91.8	10.3	0.0	0.0	0.0
45°	381.8	351.4	292.3	213.6	143.0	87.5	44.2	5.9	0.0	0.0	0.0
47.5°	155.9	143.0	117.6	90.5	64.7	41.1	18.4	2.6	0.0	0.0	0.0
50°	53.6	47.7	40.0	29.3	20.8	14.2	9.6	0.7	0.0	0.0	0.0
52.5°	15.5	15.7	13.8	11.8	9.2	6.6	4.8	0.0	0.0	0.0	0.0
55°	2.8	2.4	2.8	2.6	2.8	2.4	1.7	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	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	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	0.4	0.7	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	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°	12.5	12.5	12.5
2.5°	8.1	7.2	6.8
5°	4.6	3.5	3.3
7.5°	2.4	1.5	1.3
10°	0.9	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)