

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: P1311941

Luminaire Tested: P3SQAS02R309727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311941
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: P3SQAS02R309727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

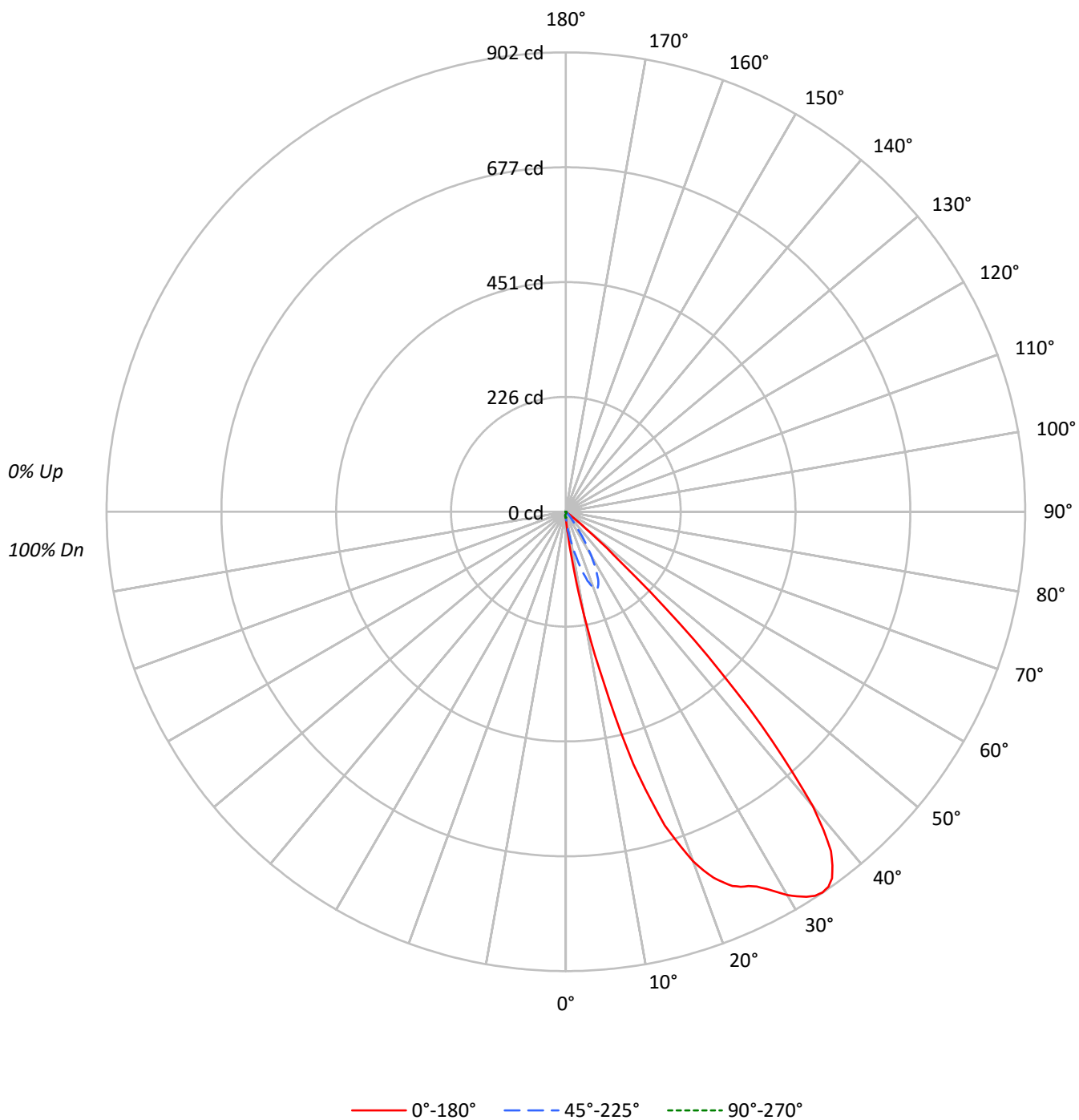
Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1998	1998	1998	1998	1998
5°	7261	4512	1833	743	536
10°	35903	10790	1417	140	0
15°	91574	20558	909	0	0
20°	133809	29232	367	0	0
25°	154359	28675	76	0	0
30°	172755	19688	0	0	0
35°	188947	8473	0	0	0
40°	169582	3305	0	0	0
45°	86610	1340	0	0	0
50°	13370	161	0	0	0
55°	781	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	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86610 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.1
10°-20°	28.9	13.3
20°-30°	71.5	32.9
30°-40°	82.2	37.9
40°-50°	30.5	14.0
50°-60°	1.1	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°	102.8	47.4
0°-40°	185.0	85.2
0°-60°	216.5	99.8
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	26	11	4	3	9
15°	514	115	5	0	0	148
25°	812	151	0	0	0	375
35°	899	40	0	0	0	545
45°	356	6	0	0	0	277
55°	3	0	0	0	0	9
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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	20.6	20.8	20.8	20.2	20.0	19.8	19.1	17.3	14.5	11.6	9.4
5°	42.0	42.2	42.2	40.9	38.5	36.0	34.0	26.1	16.7	10.6	6.9
7.5°	99.0	99.2	94.9	90.0	80.2	75.1	65.8	40.1	18.9	9.6	4.5
10°	205.3	200.8	189.6	175.3	160.3	140.7	121.0	61.7	20.6	8.1	2.9
12.5°	343.1	338.9	324.4	304.0	274.5	236.2	198.8	86.8	20.8	6.5	1.6
15°	513.6	501.6	484.3	450.5	406.9	347.6	285.7	115.3	20.0	5.1	0.4
17.5°	645.8	634.8	612.8	573.3	519.1	453.3	377.3	142.3	17.7	3.3	0.0
20°	730.1	718.5	697.9	663.1	605.4	528.2	441.3	159.5	14.7	2.0	0.0
21°	754.1	742.9	722.7	688.1	630.7	553.7	457.0	163.1	13.2	1.6	0.0
22°	775.3	766.5	747.8	710.1	651.7	572.4	472.9	163.5	12.2	1.2	0.0
23°	790.1	783.8	765.1	730.5	672.2	587.7	481.4	161.1	11.0	0.8	0.0
24°	804.4	796.7	780.6	748.4	688.5	600.5	489.1	156.6	9.8	0.6	0.0
25°	812.3	803.4	790.9	760.8	702.0	608.7	493.8	150.9	8.6	0.4	0.0
26°	817.8	810.9	797.3	768.1	707.7	614.0	494.4	142.5	7.7	0.2	0.0
27°	826.2	819.3	806.0	774.7	710.1	613.2	490.8	133.0	6.7	0.0	0.0
28°	838.8	829.6	816.4	781.6	711.1	609.7	482.6	122.6	5.7	0.0	0.0
29°	853.3	843.9	829.4	790.7	711.3	602.8	469.8	111.2	5.1	0.0	0.0
30°	868.7	860.6	845.9	799.7	713.6	593.8	454.9	99.0	4.1	0.0	0.0
31°	881.0	873.6	857.9	807.9	715.4	586.1	436.6	86.8	3.5	0.0	0.0
32°	891.5	885.0	865.7	809.7	711.7	575.1	417.1	74.9	2.9	0.0	0.0
33°	898.9	890.7	868.1	805.0	701.1	557.0	395.3	63.7	2.2	0.0	0.0
34°	901.5	891.8	864.5	792.8	679.8	529.5	367.0	52.1	1.8	0.0	0.0
35°	898.7	886.7	851.2	771.8	650.8	496.7	333.0	40.3	1.4	0.0	0.0
36°	889.5	874.2	832.3	741.9	609.5	458.0	298.9	31.4	1.0	0.0	0.0
37°	869.8	852.9	799.9	702.4	568.6	413.6	260.3	24.4	0.6	0.0	0.0
38°	845.5	821.1	756.7	652.5	515.6	363.7	222.0	20.2	0.4	0.0	0.0
39°	804.2	777.3	705.4	595.0	463.7	316.3	184.7	17.5	0.2	0.0	0.0
40°	754.3	722.3	646.8	533.5	402.4	266.6	154.2	14.7	0.2	0.0	0.0
42.5°	569.0	541.9	460.6	362.9	246.0	157.2	85.5	9.6	0.0	0.0	0.0
45°	355.6	327.3	272.3	199.0	133.2	81.5	41.1	5.5	0.0	0.0	0.0
47.5°	145.2	133.2	109.6	84.3	60.3	38.3	17.1	2.4	0.0	0.0	0.0
50°	49.9	44.4	37.3	27.3	19.3	13.2	9.0	0.6	0.0	0.0	0.0
52.5°	14.5	14.7	12.8	11.0	8.6	6.1	4.5	0.0	0.0	0.0	0.0
55°	2.6	2.2	2.6	2.4	2.6	2.2	1.6	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	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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°	11.6	11.6	11.6
2.5°	7.5	6.7	6.3
5°	4.3	3.3	3.1
7.5°	2.2	1.4	1.2
10°	0.8	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)