

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: P1308160

Luminaire Tested: P3SQAS17R309030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308160
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: P3SQAS17R309030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

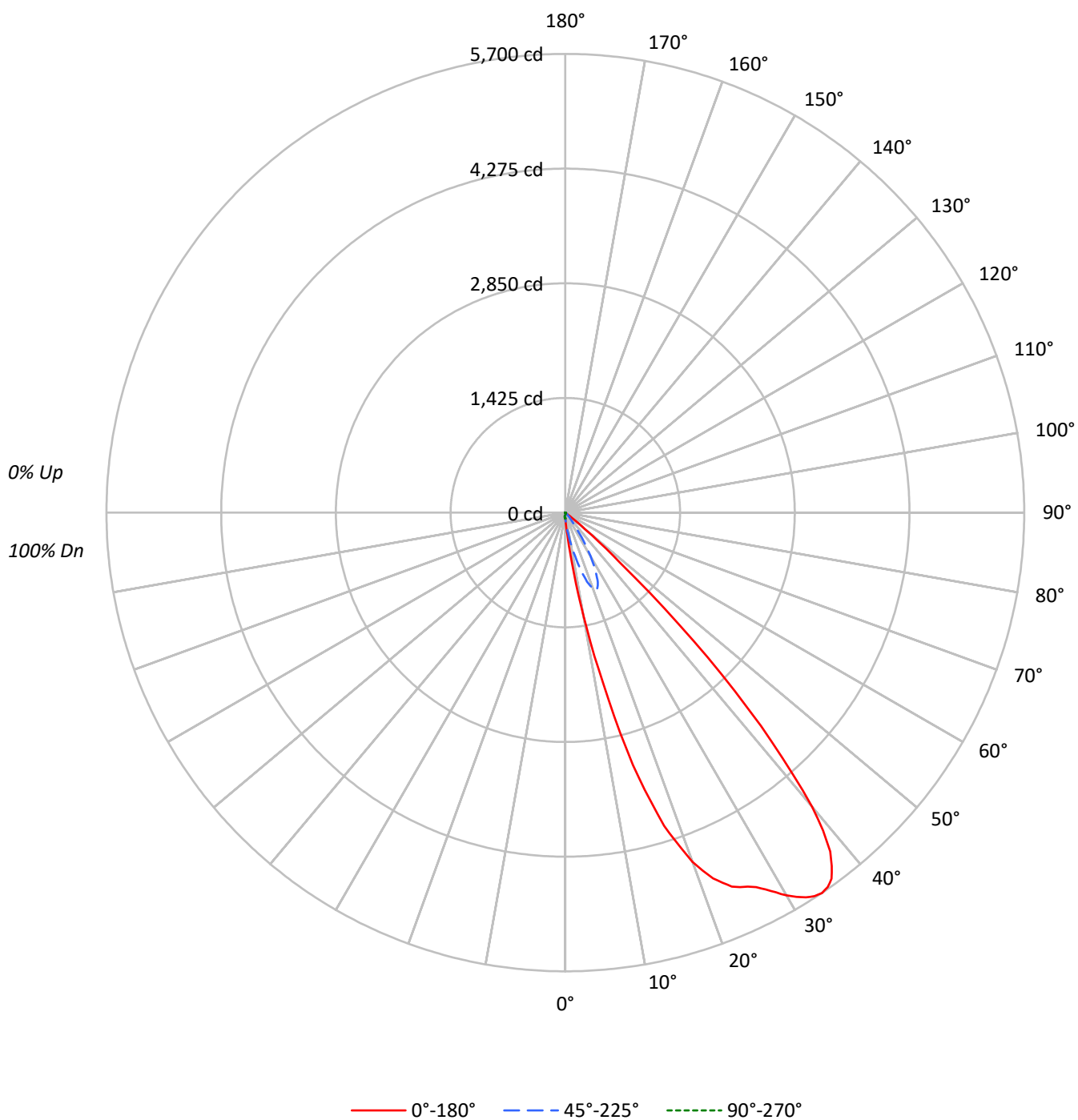
Lumens per Lamp: N/A
Luminaire Lumens: 1372.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	12641	12641	12641	12641	12641
5°	45848	28491	11583	4668	3337
10°	226959	68220	9006	909	0
15°	578969	129944	5741	0	0
20°	845981	184760	2364	0	0
25°	975977	181304	494	0	0
30°	1092309	124430	0	0	0
35°	1194591	53591	0	0	0
40°	1072192	20841	0	0	0
45°	547546	8476	0	0	0
50°	84505	1045	0	0	0
55°	5014	0	390	0	0
60°	0	0	448	0	0
65°	0	0	1060	0	0
70°	0	655	1309	0	0
75°	0	865	2595	0	0
80°	0	1289	3868	0	0
85°	0	2569	7707	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 547546 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	1.1
10°-20°	182.8	13.3
20°-30°	451.8	32.9
30°-40°	519.5	37.9
40°-50°	192.7	14.0
50°-60°	7.0	0.5
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	649.9	47.4
0°-40°	1169.4	85.2
0°-60°	1369.1	99.8
0°-90°	1372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	265	165	67	27	19	58
15°	3247	729	32	0	0	934
25°	5136	954	3	0	0	2373
35°	5682	255	0	0	0	3445
45°	2248	35	0	0	0	1751
55°	17	0	1	0	0	57
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2.5°	130.0	131.3	131.3	127.5	126.2	124.9	121.0	109.4	91.4	73.4	59.2
5°	265.2	266.5	266.5	258.8	243.3	227.9	215.0	164.8	105.6	67.0	43.8
7.5°	625.7	627.0	600.0	569.1	507.3	475.1	415.9	253.6	119.7	60.5	28.3
10°	1297.8	1269.5	1198.7	1108.6	1013.3	889.7	764.8	390.1	130.0	51.5	18.0
12.5°	2169.5	2142.5	2051.1	1922.3	1735.6	1493.6	1256.6	548.5	131.3	41.2	10.3
15°	3247.2	3171.2	3061.8	2848.1	2572.5	2197.8	1806.4	728.8	126.2	32.2	2.6
17.5°	4082.8	4013.3	3874.2	3624.4	3282.0	2866.1	2385.8	900.0	112.0	20.6	0.0
20°	4615.9	4542.5	4412.4	4192.3	3827.9	3339.9	2790.1	1008.1	92.7	12.9	0.0
21°	4767.8	4697.0	4569.5	4350.6	3987.5	3500.8	2889.3	1031.3	83.7	10.3	0.0
22°	4901.7	4846.3	4727.9	4489.7	4120.2	3619.3	2989.7	1033.9	77.3	7.7	0.0
23°	4995.7	4955.8	4837.3	4618.4	4250.2	3715.9	3043.8	1018.4	69.5	5.2	0.0
24°	5085.8	5036.9	4935.2	4731.7	4353.2	3797.0	3092.7	990.1	61.8	3.9	0.0
25°	5136.0	5079.4	5000.8	4810.3	4438.2	3848.5	3122.3	954.1	54.1	2.6	0.0
26°	5170.8	5127.0	5040.7	4856.6	4474.2	3882.0	3126.2	901.3	48.9	1.3	0.0
27°	5223.6	5179.8	5096.1	4897.8	4489.7	3876.8	3103.0	840.8	42.5	0.0	0.0
28°	5303.4	5245.5	5161.8	4941.6	4496.1	3854.9	3051.5	775.1	36.1	0.0	0.0
29°	5394.8	5335.6	5244.2	4999.5	4497.4	3811.1	2970.4	703.0	32.2	0.0	0.0
30°	5492.7	5441.2	5348.5	5056.2	4511.6	3754.5	2876.4	625.7	25.8	0.0	0.0
31°	5569.9	5523.6	5424.4	5107.7	4523.2	3705.6	2760.5	548.5	21.9	0.0	0.0
32°	5636.9	5595.7	5473.4	5119.3	4500.0	3636.0	2636.9	473.8	18.0	0.0	0.0
33°	5683.2	5631.7	5488.8	5089.7	4433.0	3521.4	2499.1	403.0	14.2	0.0	0.0
34°	5700.0	5638.2	5465.6	5012.4	4297.8	3347.6	2320.2	329.6	11.6	0.0	0.0
35°	5681.9	5606.0	5381.9	4879.8	4115.0	3140.3	2105.1	254.9	9.0	0.0	0.0
36°	5624.0	5527.4	5262.2	4690.5	3853.6	2895.7	1890.1	198.3	6.4	0.0	0.0
37°	5499.1	5392.2	5057.5	4440.8	3594.8	2615.0	1645.5	154.5	3.9	0.0	0.0
38°	5345.9	5191.4	4784.5	4125.3	3260.1	2299.6	1403.4	127.5	2.6	0.0	0.0
39°	5084.5	4914.6	4460.1	3762.2	2931.7	1999.6	1167.8	110.7	1.3	0.0	0.0
40°	4769.1	4566.9	4089.2	3373.4	2544.2	1685.4	974.7	92.7	1.3	0.0	0.0
42.5°	3597.4	3426.2	2912.4	2294.4	1555.4	994.0	540.8	60.5	0.0	0.0	0.0
45°	2248.1	2069.1	1721.5	1257.9	842.1	515.0	260.1	34.8	0.0	0.0	0.0
47.5°	918.0	842.1	692.7	533.0	381.1	242.1	108.2	15.5	0.0	0.0	0.0
50°	315.4	280.7	235.6	172.5	122.3	83.7	56.7	3.9	0.0	0.0	0.0
52.5°	91.4	92.7	81.1	69.5	54.1	38.6	28.3	0.0	0.0	0.0	0.0
55°	16.7	14.2	16.7	15.5	16.7	14.2	10.3	0.0	0.0	1.3	0.0
57.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3



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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	1.3	2.6	3.9	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	1.3
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°	73.4	73.4	73.4
2.5°	47.6	42.5	39.9
5°	27.0	20.6	19.3
7.5°	14.2	9.0	7.7
10°	5.2	1.3	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)