

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: P1307042

Luminaire Tested: P3SQAS17R309027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307042
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: P3SQAS17R309027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

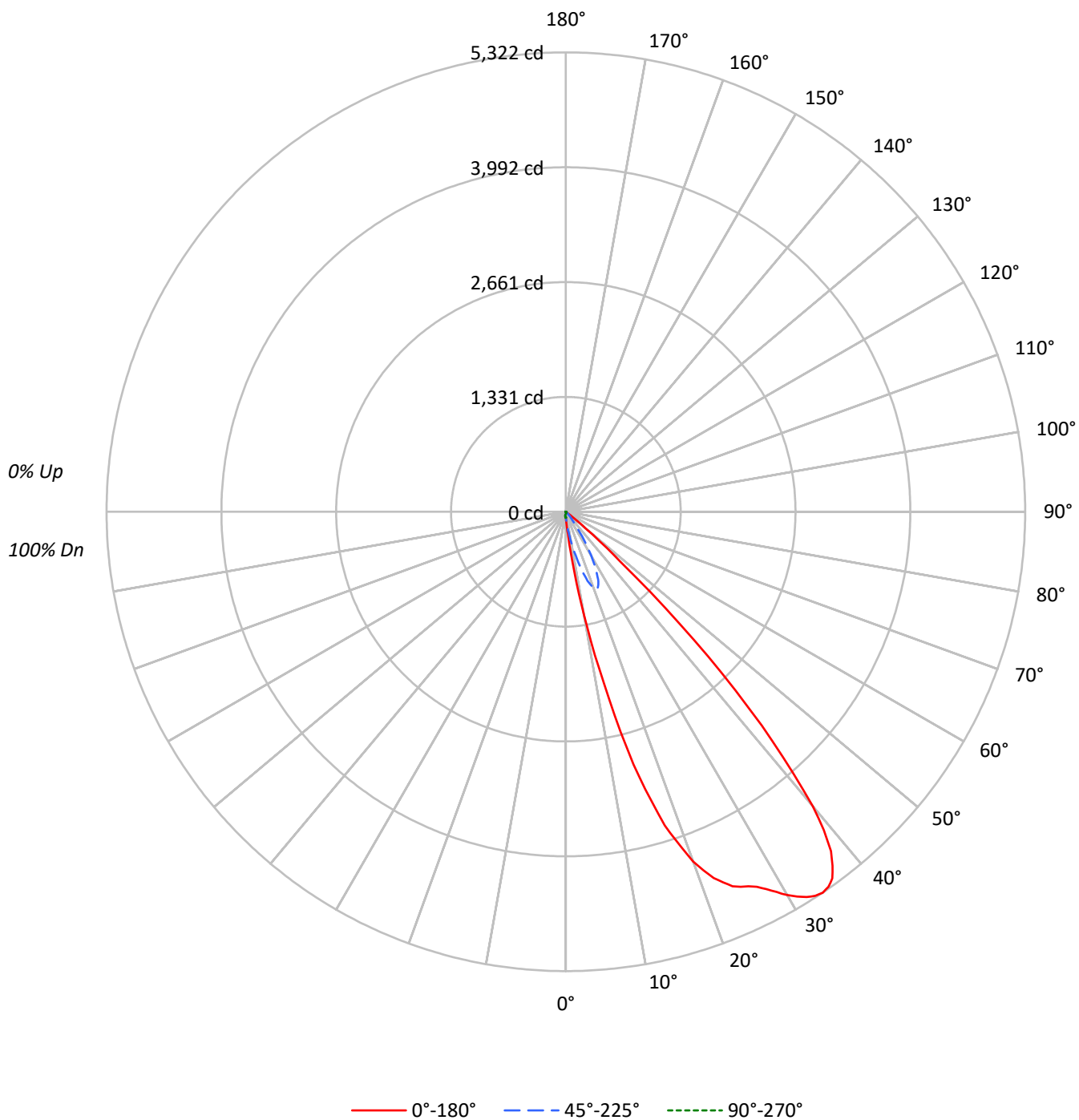
Lumens per Lamp: N/A
Luminaire Lumens: 1281.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	11797	11797	11797	11797	11797
5°	42805	26606	10805	4357	3112
10°	211919	63709	8412	839	0
15°	540564	121314	5367	0	0
20°	789862	172517	2199	0	0
25°	911254	169276	456	0	0
30°	1019862	116177	0	0	0
35°	1115371	50038	0	0	0
40°	1001082	19469	0	0	0
45°	511232	7916	0	0	0
50°	78906	965	0	0	0
55°	4684	0	360	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	2396	0	0
80°	0	1190	3570	0	0
85°	0	2371	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 511232 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	1.1
10°-20°	170.7	13.3
20°-30°	421.8	32.9
30°-40°	485.1	37.9
40°-50°	179.9	14.0
50°-60°	6.5	0.5
60°-70°	0.6	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	606.8	47.4
0°-40°	1091.8	85.2
0°-60°	1278.3	99.8
0°-90°	1281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	248	154	62	25	18	54
15°	3032	680	30	0	0	872
25°	4795	891	2	0	0	2216
35°	5305	238	0	0	0	3216
45°	2099	32	0	0	0	1635
55°	16	0	1	0	0	54
65°	0	0	2	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°	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2.5°	121.4	122.6	122.6	119.0	117.8	116.6	113.0	102.2	85.4	68.5	55.3
5°	247.6	248.8	248.8	241.6	227.2	212.8	200.8	153.9	98.6	62.5	40.9
7.5°	584.2	585.4	560.2	531.3	473.6	443.6	388.3	236.8	111.8	56.5	26.4
10°	1211.8	1185.3	1119.2	1035.0	946.1	830.7	714.1	364.3	121.4	48.1	16.8
12.5°	2025.6	2000.4	1915.0	1794.8	1620.5	1394.5	1173.3	512.1	122.6	38.5	9.6
15°	3031.8	2960.9	2858.7	2659.2	2401.9	2052.1	1686.6	680.4	117.8	30.1	2.4
17.5°	3812.0	3747.1	3617.3	3384.0	3064.3	2676.0	2227.6	840.3	104.6	19.2	0.0
20°	4309.7	4241.2	4119.8	3914.2	3574.0	3118.4	2605.1	941.3	86.6	12.0	0.0
21°	4451.6	4385.4	4266.4	4062.1	3723.1	3268.6	2697.6	962.9	78.1	9.6	0.0
22°	4576.6	4524.9	4414.3	4191.9	3846.9	3379.2	2791.4	965.3	72.1	7.2	0.0
23°	4664.3	4627.1	4516.5	4312.1	3968.3	3469.4	2841.9	950.9	64.9	4.8	0.0
24°	4748.5	4702.8	4607.8	4417.9	4064.5	3545.1	2887.6	924.5	57.7	3.6	0.0
25°	4795.4	4742.5	4669.1	4491.2	4143.8	3593.2	2915.2	890.8	50.5	2.4	0.0
26°	4827.8	4787.0	4706.4	4534.5	4177.5	3624.5	2918.8	841.5	45.7	1.2	0.0
27°	4877.1	4836.2	4758.1	4573.0	4191.9	3619.7	2897.2	785.0	39.7	0.0	0.0
28°	4951.7	4897.6	4819.4	4613.8	4197.9	3599.2	2849.1	723.7	33.7	0.0	0.0
29°	5037.0	4981.7	4896.4	4667.9	4199.1	3558.4	2773.4	656.4	30.1	0.0	0.0
30°	5128.4	5080.3	4993.7	4720.8	4212.3	3505.5	2685.6	584.2	24.0	0.0	0.0
31°	5200.5	5157.2	5064.7	4768.9	4223.1	3459.8	2577.4	512.1	20.4	0.0	0.0
32°	5263.0	5224.5	5110.3	4779.7	4201.5	3394.9	2462.0	442.4	16.8	0.0	0.0
33°	5306.3	5258.2	5124.8	4752.1	4139.0	3287.9	2333.4	376.3	13.2	0.0	0.0
34°	5321.9	5264.2	5103.1	4680.0	4012.8	3125.6	2166.3	307.8	10.8	0.0	0.0
35°	5305.1	5234.2	5025.0	4556.1	3842.1	2932.0	1965.5	238.0	8.4	0.0	0.0
36°	5251.0	5160.8	4913.2	4379.4	3598.0	2703.6	1764.8	185.1	6.0	0.0	0.0
37°	5134.4	5034.6	4722.0	4146.2	3356.4	2441.6	1536.3	144.3	3.6	0.0	0.0
38°	4991.3	4847.1	4467.2	3851.7	3043.8	2147.0	1310.3	119.0	2.4	0.0	0.0
39°	4747.3	4588.6	4164.2	3512.7	2737.3	1866.9	1090.3	103.4	1.2	0.0	0.0
40°	4452.8	4264.0	3818.0	3149.6	2375.4	1573.6	910.0	86.6	1.2	0.0	0.0
42.5°	3358.8	3198.9	2719.3	2142.2	1452.2	928.1	504.9	56.5	0.0	0.0	0.0
45°	2099.0	1931.9	1607.3	1174.5	786.2	480.9	242.8	32.5	0.0	0.0	0.0
47.5°	857.1	786.2	646.8	497.7	355.8	226.0	101.0	14.4	0.0	0.0	0.0
50°	294.5	262.1	220.0	161.1	114.2	78.1	52.9	3.6	0.0	0.0	0.0
52.5°	85.4	86.6	75.7	64.9	50.5	36.1	26.4	0.0	0.0	0.0	0.0
55°	15.6	13.2	15.6	14.4	15.6	13.2	9.6	0.0	0.0	1.2	0.0
57.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2



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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	1.2	2.4	3.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
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°	68.5	68.5	68.5
2.5°	44.5	39.7	37.3
5°	25.2	19.2	18.0
7.5°	13.2	8.4	7.2
10°	4.8	1.2	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)