

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: P1315496

Luminaire Tested: P3SQAS17R309740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315496
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: P3SQAS17R309740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

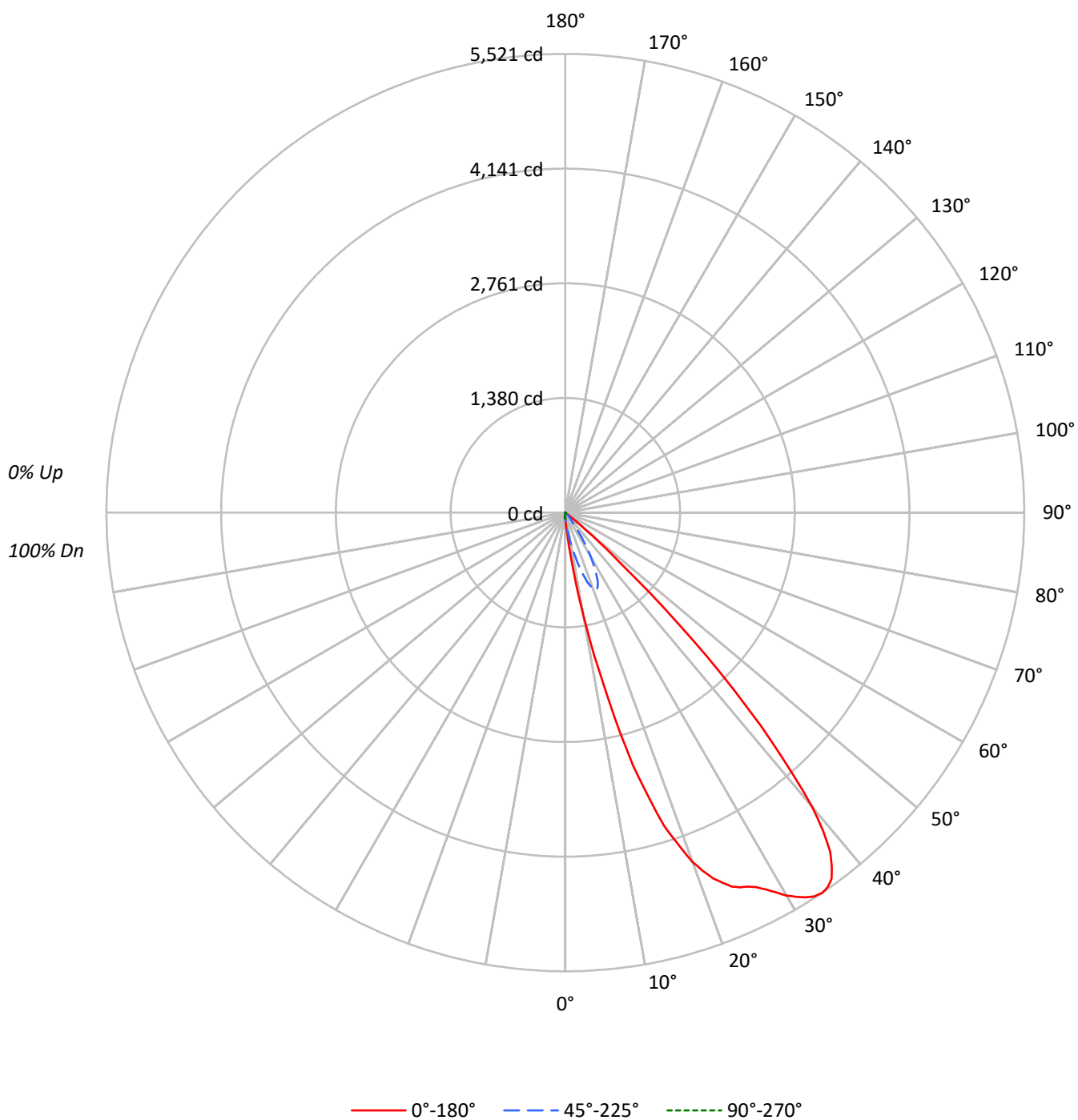
Lumens per Lamp: N/A
Luminaire Lumens: 1329.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	12245	12245	12245	12245	12245
5°	44413	27592	11220	4529	3233
10°	219858	66087	8726	874	0
15°	560819	125861	5563	0	0
20°	819461	178987	2291	0	0
25°	945402	175623	475	0	0
30°	1058064	120532	0	0	0
35°	1157168	51909	0	0	0
40°	1038582	20189	0	0	0
45°	530375	8208	0	0	0
50°	81880	991	0	0	0
55°	4864	0	360	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	2462	0	0
80°	0	1190	3670	0	0
85°	0	2371	7311	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 530375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	1.1
10°-20°	177.1	13.3
20°-30°	437.6	32.9
30°-40°	503.2	37.9
40°-50°	186.7	14.0
50°-60°	6.8	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°	629.5	47.4
0°-40°	1132.8	85.2
0°-60°	1326.2	99.8
0°-90°	1329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1329.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	71	71	71	71	71	
5°	257	160	65	26	19	56
15°	3145	706	31	0	0	904
25°	4975	924	2	0	0	2299
35°	5504	247	0	0	0	3337
45°	2178	34	0	0	0	1696
55°	16	0	1	0	0	56
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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2.5°	126.0	127.2	127.2	123.5	122.2	121.0	117.2	106.0	88.6	71.1	57.4
5°	256.9	258.2	258.2	250.7	235.7	220.8	208.3	159.6	102.3	64.9	42.4
7.5°	606.1	607.4	581.2	551.3	491.4	460.2	402.8	245.7	116.0	58.6	27.4
10°	1257.2	1229.7	1161.1	1073.8	981.5	861.8	740.8	377.9	126.0	49.9	17.5
12.5°	2101.5	2075.3	1986.8	1862.1	1681.2	1446.7	1217.3	531.3	127.2	39.9	10.0
15°	3145.4	3071.8	2965.8	2758.8	2491.9	2129.0	1749.8	705.9	122.2	31.2	2.5
17.5°	3954.9	3887.5	3752.8	3510.9	3179.1	2776.3	2311.1	871.8	108.5	20.0	0.0
20°	4471.2	4400.1	4274.1	4060.9	3707.9	3235.2	2702.7	976.6	89.8	12.5	0.0
21°	4618.4	4549.8	4426.3	4214.3	3862.6	3391.1	2798.7	999.0	81.1	10.0	0.0
22°	4748.1	4694.4	4579.7	4349.0	3991.0	3505.9	2896.0	1001.5	74.8	7.5	0.0
23°	4839.1	4800.4	4685.7	4473.7	4117.0	3599.4	2948.4	986.5	67.3	5.0	0.0
24°	4926.4	4879.0	4780.5	4583.4	4216.8	3678.0	2995.8	959.1	59.9	3.7	0.0
25°	4975.1	4920.2	4844.1	4659.5	4299.1	3727.9	3024.4	924.2	52.4	2.5	0.0
26°	5008.7	4966.3	4882.8	4704.4	4334.0	3760.3	3028.2	873.0	47.4	1.2	0.0
27°	5059.9	5017.5	4936.4	4744.3	4349.0	3755.3	3005.7	814.4	41.2	0.0	0.0
28°	5137.2	5081.1	5000.0	4786.7	4355.2	3734.1	2955.8	750.8	34.9	0.0	0.0
29°	5225.7	5168.4	5079.8	4842.9	4356.4	3691.7	2877.3	681.0	31.2	0.0	0.0
30°	5320.5	5270.6	5180.8	4897.7	4370.2	3636.8	2786.2	606.1	24.9	0.0	0.0
31°	5395.4	5350.5	5254.4	4947.6	4381.4	3589.4	2674.0	531.3	21.2	0.0	0.0
32°	5460.2	5420.3	5301.8	4958.8	4358.9	3522.1	2554.3	459.0	17.5	0.0	0.0
33°	5505.1	5455.2	5316.8	4930.2	4294.1	3411.1	2420.8	390.4	13.7	0.0	0.0
34°	5521.3	5461.5	5294.3	4855.3	4163.1	3242.7	2247.4	319.3	11.2	0.0	0.0
35°	5503.9	5430.3	5213.3	4726.9	3986.0	3041.9	2039.2	246.9	8.7	0.0	0.0
36°	5447.7	5354.2	5097.3	4543.5	3732.9	2804.9	1830.9	192.1	6.2	0.0	0.0
37°	5326.8	5223.2	4899.0	4301.6	3482.2	2533.1	1593.9	149.7	3.7	0.0	0.0
38°	5178.3	5028.7	4634.6	3996.0	3157.9	2227.5	1359.4	123.5	2.5	0.0	0.0
39°	4925.2	4760.5	4320.3	3644.3	2839.9	1936.9	1131.2	107.3	1.2	0.0	0.0
40°	4619.6	4423.8	3961.1	3267.6	2464.5	1632.6	944.1	89.8	1.2	0.0	0.0
42.5°	3484.7	3318.8	2821.2	2222.5	1506.6	962.8	523.8	58.6	0.0	0.0	0.0
45°	2177.6	2004.2	1667.5	1218.5	815.7	498.9	251.9	33.7	0.0	0.0	0.0
47.5°	889.2	815.7	671.0	516.3	369.2	234.5	104.8	15.0	0.0	0.0	0.0
50°	305.6	271.9	228.2	167.1	118.5	81.1	54.9	3.7	0.0	0.0	0.0
52.5°	88.6	89.8	78.6	67.3	52.4	37.4	27.4	0.0	0.0	0.0	0.0
55°	16.2	13.7	16.2	15.0	16.2	13.7	10.0	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	2.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	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	2.5	3.7	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	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°	71.1	71.1	71.1
2.5°	46.1	41.2	38.7
5°	26.2	20.0	18.7
7.5°	13.7	8.7	7.5
10°	5.0	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)