

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: P1318135

Luminaire Tested: P3SQAS17R309835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318135
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: P3SQAS17R309835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

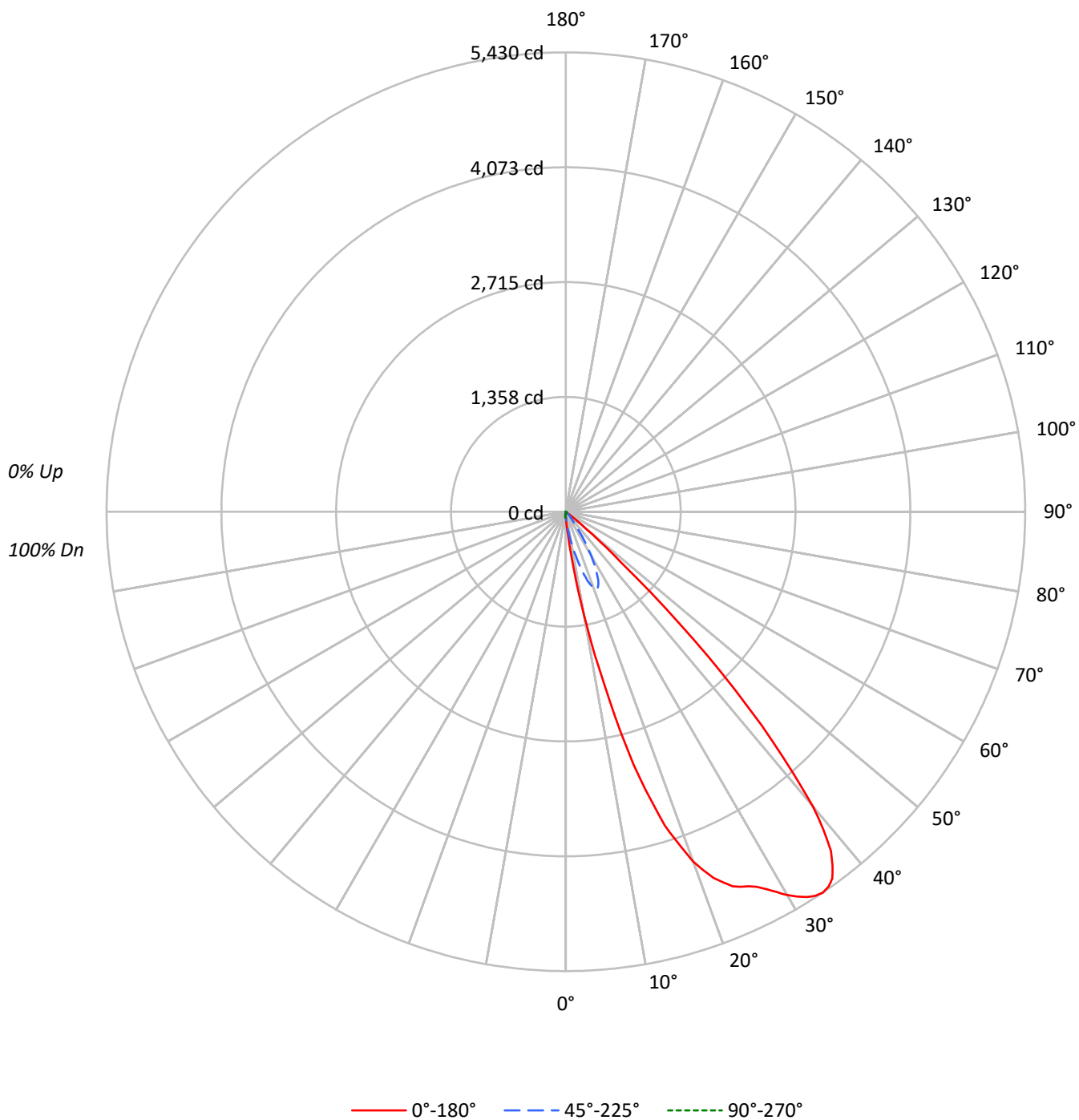
Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12038	12038	12038	12038	12038
5°	43687	27142	11030	4460	3181
10°	216221	64985	8587	857	0
15°	551547	123774	5474	0	0
20°	805899	176018	2254	0	0
25°	929743	172715	475	0	0
30°	1040564	118544	0	0	0
35°	1138014	51069	0	0	0
40°	1021383	19852	0	0	0
45°	521607	8062	0	0	0
50°	80513	991	0	0	0
55°	4774	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: 521607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	1.1
10°-20°	174.1	13.3
20°-30°	430.4	32.9
30°-40°	494.9	37.9
40°-50°	183.6	14.0
50°-60°	6.7	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°	619.1	47.4
0°-40°	1114.0	85.2
0°-60°	1304.3	99.8
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	253	157	64	26	18	55
15°	3093	694	31	0	0	889
25°	4893	909	2	0	0	2261
35°	5413	243	0	0	0	3282
45°	2142	33	0	0	0	1668
55°	16	0	1	0	0	55
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°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2.5°	123.9	125.1	125.1	121.4	120.2	119.0	115.3	104.3	87.1	69.9	56.4
5°	252.7	253.9	253.9	246.5	231.8	217.1	204.8	157.0	100.6	63.8	41.7
7.5°	596.1	597.3	571.6	542.1	483.3	452.6	396.2	241.6	114.1	57.6	27.0
10°	1236.4	1209.4	1141.9	1056.1	965.3	847.5	728.6	371.6	123.9	49.1	17.2
12.5°	2066.7	2041.0	1953.9	1831.2	1653.4	1422.8	1197.1	522.5	125.1	39.2	9.8
15°	3093.4	3021.0	2916.7	2713.1	2450.6	2093.7	1720.8	694.2	120.2	30.7	2.5
17.5°	3889.4	3823.2	3690.7	3452.7	3126.5	2730.3	2272.8	857.4	106.7	19.6	0.0
20°	4397.2	4327.3	4203.4	3993.6	3646.5	3181.7	2657.9	960.4	88.3	12.3	0.0
21°	4541.9	4474.4	4353.0	4144.5	3798.6	3335.0	2752.4	982.5	79.7	9.8	0.0
22°	4669.5	4616.7	4503.9	4277.0	3925.0	3447.8	2848.0	984.9	73.6	7.4	0.0
23°	4759.0	4721.0	4608.1	4399.6	4048.8	3539.8	2899.6	970.2	66.2	4.9	0.0
24°	4844.9	4798.3	4701.4	4507.6	4147.0	3617.1	2946.2	943.2	58.9	3.7	0.0
25°	4892.7	4838.7	4763.9	4582.4	4227.9	3666.2	2974.4	908.9	51.5	2.5	0.0
26°	4925.8	4884.1	4801.9	4626.5	4262.3	3698.0	2978.1	858.6	46.6	1.2	0.0
27°	4976.1	4934.4	4854.7	4665.8	4277.0	3693.1	2956.0	800.9	40.5	0.0	0.0
28°	5052.2	4997.0	4917.2	4707.5	4283.1	3672.3	2906.9	738.4	34.3	0.0	0.0
29°	5139.2	5082.8	4995.7	4762.7	4284.3	3630.6	2829.6	669.7	30.7	0.0	0.0
30°	5232.5	5183.4	5095.1	4816.7	4297.8	3576.6	2740.1	596.1	24.5	0.0	0.0
31°	5306.0	5261.9	5167.4	4865.7	4308.9	3530.0	2629.7	522.5	20.9	0.0	0.0
32°	5369.8	5330.6	5214.1	4876.8	4286.8	3463.8	2512.0	451.4	17.2	0.0	0.0
33°	5414.0	5364.9	5228.8	4848.5	4223.0	3354.6	2380.7	383.9	13.5	0.0	0.0
34°	5429.9	5371.1	5206.7	4775.0	4094.2	3189.0	2210.2	314.0	11.0	0.0	0.0
35°	5412.8	5340.4	5127.0	4648.6	3920.0	2991.6	2005.4	242.9	8.6	0.0	0.0
36°	5357.6	5265.6	5012.9	4468.3	3671.1	2758.5	1800.6	188.9	6.1	0.0	0.0
37°	5238.6	5136.8	4817.9	4230.4	3424.5	2491.1	1567.5	147.2	3.7	0.0	0.0
38°	5092.6	4945.4	4557.9	3929.9	3105.6	2190.6	1336.9	121.4	2.5	0.0	0.0
39°	4843.6	4681.7	4248.8	3584.0	2792.9	1904.8	1112.5	105.5	1.2	0.0	0.0
40°	4543.1	4350.6	3895.5	3213.6	2423.7	1605.6	928.5	88.3	1.2	0.0	0.0
42.5°	3427.0	3263.8	2774.5	2185.7	1481.7	946.9	515.2	57.6	0.0	0.0	0.0
45°	2141.6	1971.1	1639.9	1198.3	802.2	490.6	247.8	33.1	0.0	0.0	0.0
47.5°	874.5	802.2	659.9	507.8	363.1	230.6	103.0	14.7	0.0	0.0	0.0
50°	300.5	267.4	224.5	164.4	116.5	79.7	54.0	3.7	0.0	0.0	0.0
52.5°	87.1	88.3	77.3	66.2	51.5	36.8	27.0	0.0	0.0	0.0	0.0
55°	15.9	13.5	15.9	14.7	15.9	13.5	9.8	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°	69.9	69.9	69.9
2.5°	45.4	40.5	38.0
5°	25.8	19.6	18.4
7.5°	13.5	8.6	7.4
10°	4.9	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)