

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: P1311426

Luminaire Tested: P3SQAS17R159050DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159050DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

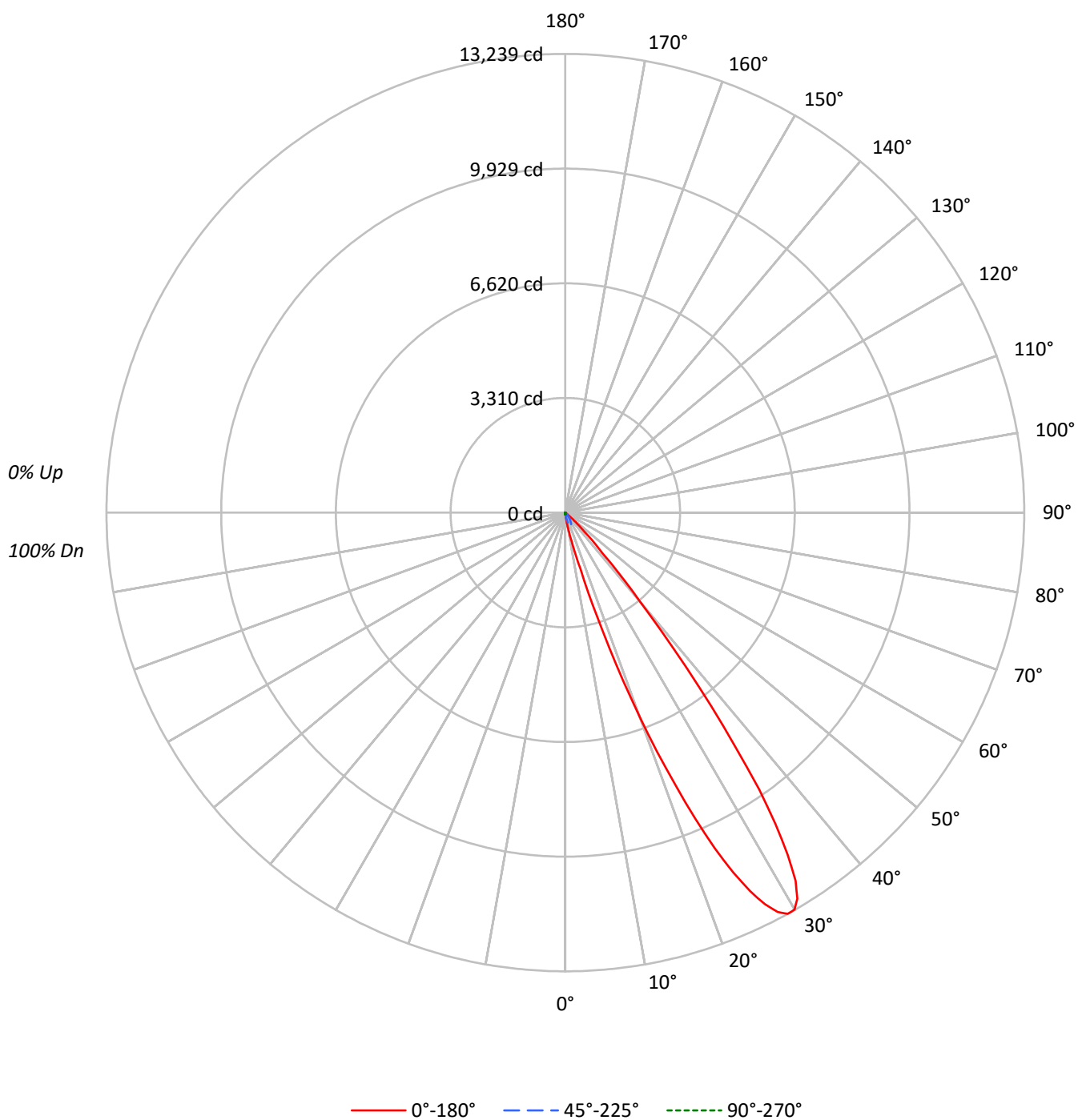
Lumens per Lamp: N/A
Luminaire Lumens: 1445.9 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	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	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	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	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8232	8232	8232	8232	8232
5°	17755	13139	7780	4132	3406
10°	78713	24850	6156	1714	1224
15°	297686	57430	4261	749	499
20°	1144867	80953	2584	257	257
25°	2177078	75916	1330	0	0
30°	2629957	61251	557	0	0
35°	2051171	41692	294	0	0
40°	748518	20549	315	0	315
45°	192193	6162	341	0	682
50°	32420	750	375	375	1125
55°	4234	0	841	1261	2102
60°	482	482	1447	1929	2893
65°	571	571	2282	2853	3423
70°	705	705	2820	2820	3525
75°	932	932	3726	2795	3726
80°	0	1389	4166	2777	4166
85°	0	2766	8299	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 192193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.5
10°-20°	110.8	7.7
20°-30°	614.6	42.5
30°-40°	593.7	41.1
40°-50°	103.3	7.1
50°-60°	7.4	0.5
60°-70°	4.3	0.3
70°-80°	3.5	0.2
80°-90°	1.8	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°	731.9	50.6
0°-40°	1325.6	91.7
0°-60°	1436.3	99.3
0°-90°	1445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	103	76	45	24	20	20
15°	1670	322	24	4	3	744
25°	11457	400	7	0	0	5123
35°	9756	198	1	0	0	5611
45°	789	25	1	0	3	848
55°	14	0	3	4	7	27
65°	1	1	6	7	8	1
75°	1	1	6	4	6	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2.5°	70.3	67.5	68.9	68.9	68.9	68.9	68.9	66.1	66.1	67.5	60.5
5°	102.7	102.7	101.3	102.7	102.7	101.3	98.5	97.1	97.1	94.2	76.0
7.5°	205.4	202.5	202.5	199.7	185.7	181.5	178.6	171.6	158.9	156.1	98.5
10°	450.1	451.5	441.7	429.0	427.6	406.5	399.5	386.8	362.9	339.0	142.1
12.5°	817.2	798.9	775.0	776.4	735.6	721.6	689.2	654.1	617.5	579.5	233.5
15°	1669.6	1617.6	1648.5	1572.6	1486.8	1389.7	1291.3	1167.5	1062.0	949.5	322.1
17.5°	3516.5	3567.1	3481.3	3156.4	2956.7	2721.8	2391.2	2071.9	1799.0	1579.6	393.8
20°	6246.7	6321.2	6030.1	5747.3	5262.1	4733.2	4181.8	3557.3	2959.5	2441.8	441.7
21°	7387.4	7342.4	7222.9	6769.9	6210.1	5596.8	4921.7	4232.4	3508.0	2835.7	445.9
22°	8490.2	8511.3	8232.8	7758.8	7176.4	6497.1	5672.8	4821.8	4041.1	3156.4	438.9
23°	9588.8	9656.3	9287.7	8843.3	8110.4	7343.8	6390.2	5471.7	4506.7	3523.5	424.8
24°	10605.7	10559.3	10310.3	9750.5	8967.0	8069.6	7079.4	5965.4	4889.3	3837.2	413.5
25°	11456.7	11451.1	11060.1	10515.7	9619.7	8625.2	7533.7	6369.1	5217.1	4049.6	399.5
26°	12153.0	12039.0	11731.0	11067.1	10182.3	9133.0	7906.5	6663.0	5401.3	4156.5	385.4
27°	12690.3	12608.7	12195.2	11504.5	10580.4	9420.0	8145.6	6809.3	5485.7	4191.7	367.1
28°	13051.8	12963.2	12522.9	11811.2	10799.8	9600.0	8272.2	6871.2	5485.7	4157.9	350.2
29°	13238.9	13117.9	12679.0	11916.7	10850.5	9621.1	8241.2	6810.7	5399.9	4053.8	330.5
30°	13224.8	13074.3	12614.3	11821.0	10700.0	9448.1	8068.2	6592.7	5205.8	3899.1	308.0
31°	12996.9	12828.1	12314.7	11497.5	10389.1	9121.8	7741.9	6300.1	4940.0	3697.9	285.5
32°	12534.2	12320.4	11819.6	11005.2	9910.9	8633.7	7267.9	5848.6	4541.9	3404.0	261.6
33°	11780.2	11565.0	11027.7	10263.9	9263.8	8014.8	6639.1	5363.3	4089.0	3053.7	241.9
34°	10836.4	10639.5	10176.7	9407.3	8448.0	7231.3	5916.1	4692.4	3619.2	2706.3	220.8
35°	9756.1	9442.5	9023.3	8414.2	7478.9	6255.1	5135.5	4067.9	3135.3	2342.0	198.3
36°	8294.7	8351.0	7906.5	7161.0	6385.9	5426.6	4352.0	3391.3	2621.9	1996.0	178.6
37°	6999.2	6910.6	6627.9	6051.2	5376.0	4423.7	3647.3	2875.1	2205.5	1687.9	157.5
38°	5646.1	5665.8	5388.7	4945.6	4276.0	3637.5	2935.6	2361.7	1845.5	1436.1	137.8
39°	4419.5	4404.0	4329.5	3918.8	3312.5	2893.4	2378.6	1958.0	1537.4	1211.1	116.7
40°	3329.4	3354.7	3180.3	2932.7	2579.7	2235.1	1894.7	1561.3	1271.6	1021.2	91.4
42.5°	1619.0	1658.4	1543.0	1479.7	1323.6	1188.6	1002.9	818.6	696.3	602.0	40.8
45°	789.1	766.6	756.7	725.8	689.2	616.1	545.8	468.4	409.3	353.1	25.3
47.5°	403.7	392.4	392.4	379.8	367.1	343.2	308.0	282.7	254.6	219.4	9.8
50°	121.0	119.6	118.2	119.6	115.3	119.6	122.4	123.8	112.5	111.1	2.8
52.5°	47.8	49.2	47.8	52.0	52.0	50.6	52.0	50.6	49.2	43.6	0.0
55°	14.1	14.1	14.1	14.1	14.1	14.1	15.5	16.9	15.5	16.9	0.0
57.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	47.8	47.8	47.8	47.8	47.8	47.8
2.5°	56.3	49.2	40.8	33.8	30.9	29.5
5°	60.5	45.0	30.9	23.9	21.1	19.7
7.5°	64.7	40.8	23.9	16.9	12.7	11.3
10°	67.5	35.2	18.3	9.8	7.0	7.0
12.5°	67.5	28.1	12.7	5.6	4.2	4.2
15°	66.1	23.9	8.4	4.2	2.8	2.8
17.5°	64.7	18.3	5.6	2.8	1.4	2.8
20°	60.5	14.1	2.8	1.4	1.4	1.4
21°	59.1	12.7	2.8	1.4	1.4	1.4
22°	56.3	11.3	1.4	0.0	1.4	1.4
23°	53.5	8.4	1.4	0.0	0.0	0.0
24°	49.2	7.0	1.4	0.0	0.0	0.0
25°	46.4	7.0	1.4	0.0	0.0	0.0
26°	43.6	4.2	0.0	0.0	0.0	0.0
27°	39.4	2.8	0.0	0.0	0.0	0.0
28°	36.6	2.8	0.0	0.0	0.0	0.0
29°	32.4	2.8	0.0	0.0	0.0	0.0
30°	28.1	2.8	0.0	0.0	0.0	0.0
31°	22.5	1.4	0.0	0.0	0.0	0.0
32°	18.3	1.4	0.0	0.0	0.0	0.0
33°	12.7	1.4	0.0	0.0	0.0	0.0
34°	8.4	1.4	0.0	0.0	0.0	0.0
35°	7.0	1.4	0.0	0.0	0.0	0.0
36°	4.2	1.4	0.0	0.0	0.0	1.4
37°	4.2	1.4	0.0	0.0	0.0	1.4
38°	2.8	1.4	0.0	0.0	0.0	1.4
39°	1.4	1.4	0.0	0.0	0.0	1.4
40°	1.4	1.4	0.0	0.0	0.0	1.4
42.5°	0.0	1.4	0.0	0.0	1.4	2.8
45°	0.0	1.4	0.0	0.0	1.4	2.8
47.5°	0.0	1.4	0.0	0.0	2.8	2.8
50°	0.0	1.4	1.4	1.4	2.8	4.2
52.5°	0.0	2.8	1.4	2.8	4.2	5.6
55°	1.4	2.8	2.8	4.2	5.6	7.0
57.5°	1.4	4.2	4.2	5.6	7.0	7.0
60°	2.8	4.2	5.6	5.6	8.4	8.4
62.5°	2.8	5.6	5.6	5.6	8.4	8.4
65°	2.8	5.6	5.6	7.0	8.4	8.4
67.5°	2.8	5.6	5.6	5.6	7.0	8.4
70°	2.8	5.6	4.2	5.6	7.0	7.0
72.5°	2.8	5.6	4.2	4.2	5.6	7.0
75°	2.8	5.6	4.2	4.2	5.6	5.6
77.5°	2.8	4.2	4.2	2.8	4.2	4.2
80°	2.8	4.2	2.8	2.8	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.8	4.2	2.8	1.4	2.8	2.8
85°	2.8	4.2	2.8	1.4	1.4	1.4
87.5°	2.8	4.2	1.4	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)