

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: P1306054

Luminaire Tested: P3SQAS17R259024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

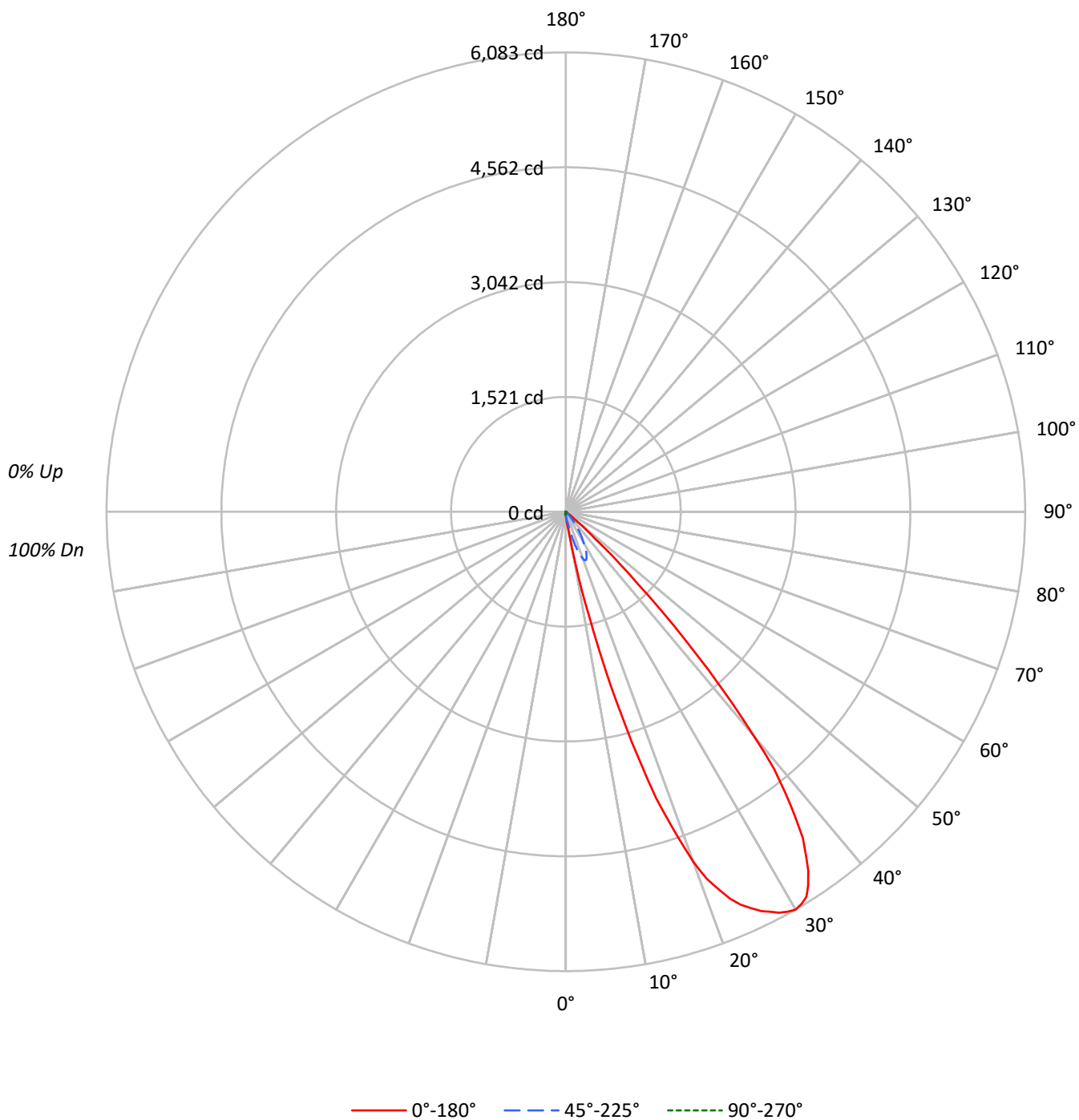
Lumens per Lamp: N/A
Luminaire Lumens: 1217.0 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	95	92	104	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	52	50
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8990	8990	8990	8990	8990
5°	22578	16683	8437	4322	3337
10°	98684	28400	6943	1994	1382
15°	469280	76526	4868	802	606
20°	903383	122575	3116	202	202
25°	1100216	123631	1729	0	0
30°	1209640	94620	676	0	0
35°	1165704	60151	231	0	0
40°	871000	26034	0	0	247
45°	322473	6917	268	268	828
50°	38019	911	616	616	1206
55°	3753	0	691	1021	1711
60°	379	0	1171	1550	1963
65°	448	448	1834	2323	2771
70°	554	554	2266	2266	3424
75°	732	732	2262	2262	2994
80°	0	1091	3372	2281	3372
85°	0	2174	6719	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 322473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.6
10°-20°	141.9	11.7
20°-30°	445.3	36.6
30°-40°	468.8	38.5
40°-50°	137.7	11.3
50°-60°	7.4	0.6
60°-70°	3.6	0.3
70°-80°	3.1	0.3
80°-90°	1.6	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°	594.8	48.9
0°-40°	1063.6	87.4
0°-60°	1208.7	99.3
0°-90°	1217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	131	96	49	25	19	23
15°	2632	429	27	4	3	830
25°	5790	651	9	0	0	2656
35°	5544	286	1	0	0	3346
45°	1324	28	1	1	3	1203
55°	12	0	2	3	6	32
65°	1	1	4	6	7	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	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°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2.5°	80.6	81.8	78.3	80.6	78.3	77.2	76.1	70.4	61.3	52.2	43.1
5°	130.6	130.6	124.9	123.8	121.5	117.0	112.4	96.5	69.3	48.8	34.1
7.5°	204.4	203.3	201.0	195.3	183.9	172.6	161.2	126.0	76.1	45.4	26.1
10°	564.3	556.4	546.2	484.8	415.6	354.3	300.9	162.4	81.8	39.7	19.3
12.5°	1402.3	1356.9	1249.0	1126.4	969.7	805.1	643.8	264.6	84.0	32.9	13.6
15°	2632.0	2537.8	2369.7	2124.5	1804.3	1444.3	1137.7	429.2	81.8	27.3	10.2
17.5°	3974.2	3883.3	3650.6	3278.1	2806.9	2253.9	1711.2	568.9	76.1	22.7	6.8
20°	4929.1	4832.6	4614.6	4219.4	3709.6	2972.7	2252.8	668.8	71.5	17.0	3.4
21°	5208.4	5111.9	4881.4	4499.9	3963.9	3224.8	2426.5	685.8	68.1	14.8	2.3
22°	5385.6	5328.8	5081.3	4711.1	4164.9	3426.9	2575.3	693.8	65.9	13.6	2.3
23°	5563.8	5478.7	5247.0	4856.4	4318.2	3576.8	2685.4	688.1	63.6	11.4	1.1
24°	5695.5	5624.0	5354.9	4968.8	4425.0	3668.7	2750.1	673.3	60.2	10.2	1.1
25°	5789.8	5723.9	5443.5	5044.9	4496.5	3718.7	2770.6	650.6	56.8	9.1	1.1
26°	5879.5	5808.0	5517.3	5089.2	4534.0	3734.6	2751.3	625.6	53.4	7.9	0.0
27°	5944.2	5871.5	5568.4	5115.3	4536.2	3715.3	2699.0	591.6	50.0	6.8	0.0
28°	6013.5	5929.5	5603.6	5130.1	4522.6	3669.9	2624.1	555.2	47.7	5.7	0.0
29°	6055.5	5976.0	5639.9	5146.0	4494.2	3593.8	2515.1	512.1	42.0	3.4	0.0
30°	6082.7	5988.5	5636.5	5128.9	4456.7	3512.0	2384.5	475.8	36.3	3.4	0.0
31°	6060.0	5961.3	5600.2	5081.3	4396.6	3405.3	2250.5	430.3	29.5	2.3	0.0
32°	6011.2	5894.3	5536.6	4998.4	4288.7	3267.9	2112.0	392.9	21.6	2.3	0.0
33°	5892.0	5793.2	5421.9	4887.1	4147.9	3081.7	1931.4	356.5	14.8	1.1	0.0
34°	5742.1	5643.3	5265.2	4738.3	3959.4	2841.0	1712.3	319.1	12.5	1.1	0.0
35°	5544.5	5446.9	5088.1	4530.6	3709.6	2551.4	1486.3	286.1	10.2	1.1	0.0
36°	5336.7	5207.3	4864.4	4309.1	3374.6	2222.1	1244.5	248.7	7.9	1.1	0.0
37°	5031.3	4943.9	4563.5	3971.9	3012.4	1906.5	1068.5	214.6	5.7	1.1	0.0
38°	4714.5	4633.9	4262.6	3632.4	2608.2	1594.2	894.8	181.7	4.5	0.0	0.0
39°	4387.5	4253.5	3886.7	3197.5	2184.7	1335.3	752.8	152.2	2.3	0.0	0.0
40°	3874.2	3772.1	3380.3	2675.2	1807.7	1082.1	641.5	115.8	2.3	0.0	0.0
42.5°	2568.4	2473.1	2062.0	1451.1	960.6	632.5	423.5	45.4	0.0	1.1	0.0
45°	1324.0	1263.8	1026.5	759.6	545.0	388.3	272.5	28.4	0.0	1.1	1.1
47.5°	525.7	515.5	465.5	402.0	310.0	230.5	148.7	12.5	0.0	1.1	1.1
50°	141.9	143.1	134.0	123.8	112.4	105.6	62.5	3.4	0.0	2.3	1.1
52.5°	60.2	61.3	59.0	55.6	50.0	37.5	25.0	1.1	1.1	2.3	2.3
55°	12.5	13.6	14.8	15.9	18.2	15.9	10.2	0.0	1.1	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	3.4	3.4	2.3	0.0	1.1	2.3	3.4
60°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.3	3.4	3.4
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	3.4	4.5
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	4.5	4.5
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4	4.5	4.5
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4	4.5	4.5
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4	4.5	3.4
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4	3.4	3.4
77.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3	3.4	3.4
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3	3.4	2.3



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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	1.1	1.1	2.3	3.4	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	2.3
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°	52.2	52.2	52.2
2.5°	36.3	32.9	31.8
5°	25.0	21.6	19.3
7.5°	17.0	13.6	12.5
10°	11.4	9.1	7.9
12.5°	7.9	4.5	4.5
15°	4.5	3.4	3.4
17.5°	2.3	1.1	1.1
20°	1.1	1.1	1.1
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	1.1
39°	0.0	1.1	1.1
40°	0.0	1.1	1.1
42.5°	0.0	1.1	2.3
45°	1.1	2.3	3.4
47.5°	2.3	3.4	4.5
50°	2.3	4.5	4.5
52.5°	3.4	4.5	5.7
55°	3.4	5.7	5.7
57.5°	4.5	5.7	6.8
60°	4.5	5.7	5.7
62.5°	4.5	6.8	6.8
65°	5.7	6.8	6.8
67.5°	5.7	6.8	6.8
70°	4.5	5.7	6.8
72.5°	4.5	5.7	5.7
75°	3.4	4.5	4.5
77.5°	3.4	3.4	4.5
80°	2.3	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.3	2.3	2.3
85°	1.1	1.1	1.1
87.5°	1.1	1.1	1.1
90°	0.0	0.0	0.0

(END OF REPORT)