

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: P1317243

Luminaire Tested: P3SQAS17R259830DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317243
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: P3SQAS17R259830DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

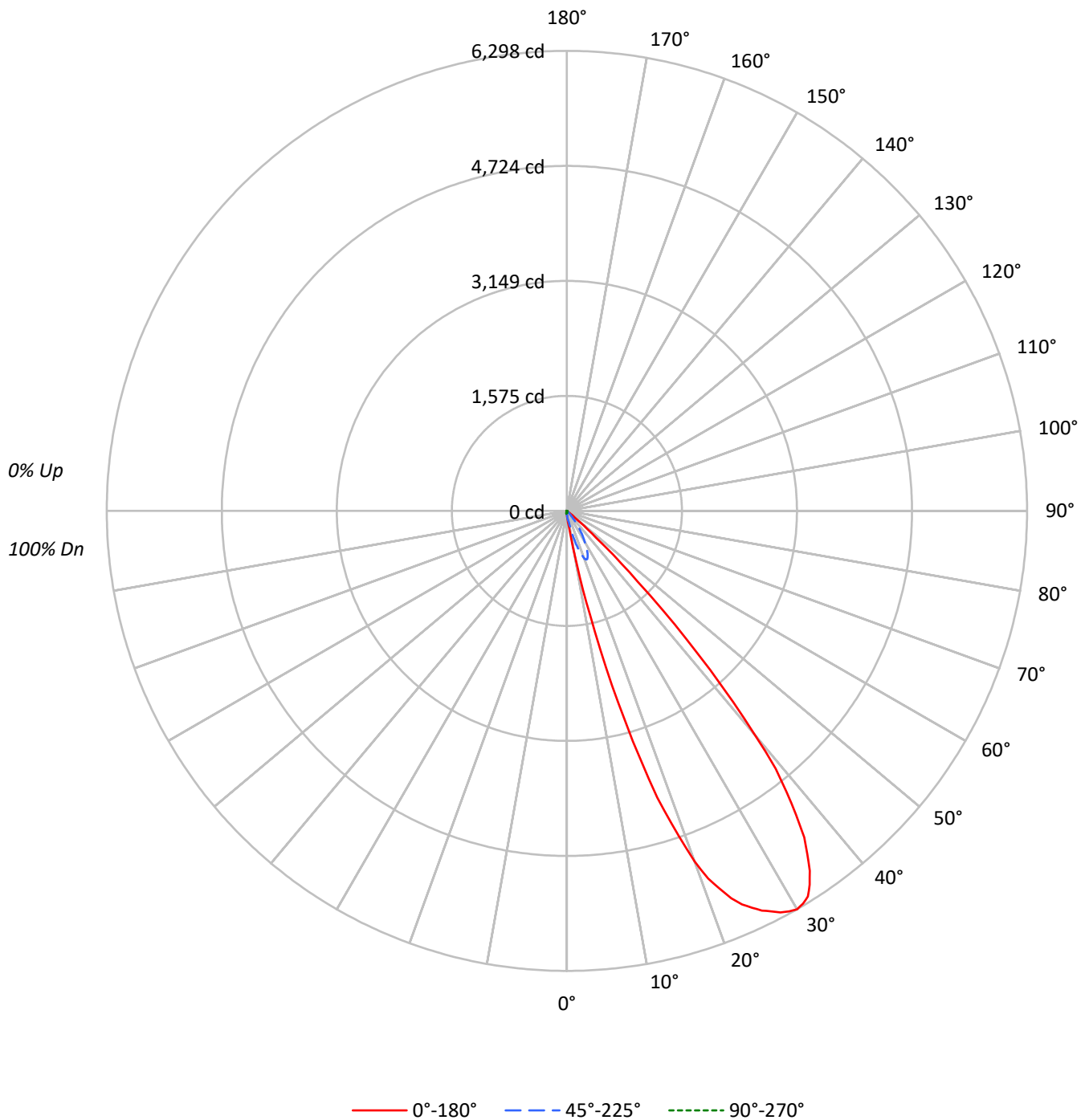
Lumens per Lamp: N/A
Luminaire Lumens: 1260.1 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9317	9317	9317	9317	9317
5°	23373	17271	8748	4478	3458
10°	102182	29397	7188	2064	1434
15°	485862	79236	5028	838	624
20°	935310	126900	3226	220	220
25°	1139096	128002	1786	0	0
30°	1252396	97961	696	0	0
35°	1206891	62296	252	0	0
40°	901778	26956	0	0	270
45°	333847	7161	292	292	852
50°	39359	938	643	643	1259
55°	3873	0	721	1051	1772
60°	413	0	1206	1619	2032
65°	489	489	1915	2404	2893
70°	604	604	2367	2367	3575
75°	799	799	2329	2329	3127
80°	0	1190	3471	2380	3471
85°	0	2371	6916	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 333847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.6
10°-20°	146.9	11.7
20°-30°	461.1	36.6
30°-40°	485.4	38.5
40°-50°	142.6	11.3
50°-60°	7.7	0.6
60°-70°	3.7	0.3
70°-80°	3.2	0.3
80°-90°	1.7	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°	615.8	48.9
0°-40°	1101.2	87.4
0°-60°	1251.5	99.3
0°-90°	1260.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	135	100	51	26	20	24
15°	2725	444	28	5	4	859
25°	5994	674	9	0	0	2749
35°	5740	296	1	0	0	3464
45°	1371	29	1	1	4	1246
55°	13	0	2	4	6	33
65°	1	1	5	6	7	1
75°	1	1	4	4	5	1
85°	0	1	4	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°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	83.5	84.6	81.1	83.5	81.1	79.9	78.8	72.9	63.5	54.1	44.7
5°	135.2	135.2	129.3	128.1	125.8	121.1	116.4	99.9	71.7	50.6	35.3
7.5°	211.6	210.4	208.1	202.2	190.4	178.7	166.9	130.5	78.8	47.0	27.0
10°	584.3	576.0	565.5	502.0	430.3	366.8	311.5	168.1	84.6	41.1	20.0
12.5°	1451.9	1404.8	1293.2	1166.2	1004.0	833.5	666.6	273.9	87.0	34.1	14.1
15°	2725.0	2627.5	2453.5	2199.5	1868.0	1495.4	1177.9	444.4	84.6	28.2	10.6
17.5°	4114.6	4020.5	3779.5	3393.9	2906.1	2333.6	1771.6	589.0	78.8	23.5	7.1
20°	5103.3	5003.3	4777.6	4368.5	3840.7	3077.7	2332.4	692.4	74.1	17.6	3.5
21°	5392.5	5292.5	5053.9	4658.9	4104.0	3338.7	2512.2	710.1	70.5	15.3	2.4
22°	5575.9	5517.1	5260.8	4877.5	4312.1	3547.9	2666.3	718.3	68.2	14.1	2.4
23°	5760.4	5672.3	5432.4	5028.0	4470.8	3703.1	2780.3	712.4	65.8	11.8	1.2
24°	5896.8	5822.7	5544.1	5144.4	4581.3	3798.4	2847.3	697.1	62.3	10.6	1.2
25°	5994.4	5926.2	5635.8	5223.2	4655.4	3850.1	2868.5	673.6	58.8	9.4	1.2
26°	6087.2	6013.2	5712.2	5269.0	4694.2	3866.5	2848.5	647.8	55.3	8.2	0.0
27°	6154.2	6079.0	5765.1	5296.1	4696.5	3846.6	2794.4	612.5	51.7	7.1	0.0
28°	6226.0	6139.0	5801.6	5311.3	4682.4	3799.5	2716.8	574.9	49.4	5.9	0.0
29°	6269.5	6187.2	5839.2	5327.8	4653.0	3720.8	2603.9	530.2	43.5	3.5	0.0
30°	6297.7	6200.1	5835.7	5310.2	4614.2	3636.1	2468.8	492.6	37.6	3.5	0.0
31°	6274.2	6171.9	5798.0	5260.8	4551.9	3525.6	2330.0	445.6	30.6	2.4	0.0
32°	6223.6	6102.5	5732.2	5175.0	4440.2	3383.4	2186.6	406.8	22.3	2.4	0.0
33°	6100.2	5997.9	5613.5	5059.8	4294.5	3190.6	1999.7	369.1	15.3	1.2	0.0
34°	5945.0	5842.7	5451.2	4905.8	4099.3	2941.3	1772.8	330.3	12.9	1.2	0.0
35°	5740.4	5639.3	5267.8	4690.6	3840.7	2641.6	1538.9	296.3	10.6	1.2	0.0
36°	5525.3	5391.3	5036.3	4461.4	3493.9	2300.6	1288.5	257.5	8.2	1.2	0.0
37°	5209.1	5118.5	4724.7	4112.2	3118.9	1973.8	1106.2	222.2	5.9	1.2	0.0
38°	4881.1	4797.6	4413.2	3760.7	2700.3	1650.5	926.4	188.1	4.7	0.0	0.0
39°	4542.5	4403.8	4024.1	3310.5	2261.8	1382.5	779.4	157.5	2.4	0.0	0.0
40°	4011.1	3905.3	3499.7	2769.7	1871.5	1120.3	664.2	119.9	2.4	0.0	0.0
42.5°	2659.2	2560.4	2134.9	1502.4	994.6	654.8	438.5	47.0	0.0	1.2	0.0
45°	1370.7	1308.4	1062.7	786.5	564.3	402.1	282.1	29.4	0.0	1.2	1.2
47.5°	544.3	533.7	482.0	416.2	320.9	238.6	154.0	12.9	0.0	1.2	1.2
50°	146.9	148.1	138.7	128.1	116.4	109.3	64.7	3.5	0.0	2.4	1.2
52.5°	62.3	63.5	61.1	57.6	51.7	38.8	25.9	1.2	1.2	2.4	2.4
55°	12.9	14.1	15.3	16.5	18.8	16.5	10.6	0.0	1.2	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	3.5	3.5	2.4	0.0	1.2	2.4	3.5
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4	3.5	3.5
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	4.7
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	4.7	4.7
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.7	4.7
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.7	4.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.7	3.5
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	3.5	3.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.5	3.5
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.5	2.4



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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	1.2	1.2	2.4	3.5	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	2.4
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):

	135°	157.5°	180°
0°	54.1	54.1	54.1
2.5°	37.6	34.1	32.9
5°	25.9	22.3	20.0
7.5°	17.6	14.1	12.9
10°	11.8	9.4	8.2
12.5°	8.2	4.7	4.7
15°	4.7	3.5	3.5
17.5°	2.4	1.2	1.2
20°	1.2	1.2	1.2
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	1.2
39°	0.0	1.2	1.2
40°	0.0	1.2	1.2
42.5°	0.0	1.2	2.4
45°	1.2	2.4	3.5
47.5°	2.4	3.5	4.7
50°	2.4	4.7	4.7
52.5°	3.5	4.7	5.9
55°	3.5	5.9	5.9
57.5°	4.7	5.9	7.1
60°	4.7	5.9	5.9
62.5°	4.7	7.1	7.1
65°	5.9	7.1	7.1
67.5°	5.9	7.1	7.1
70°	4.7	5.9	7.1
72.5°	4.7	5.9	5.9
75°	3.5	4.7	4.7
77.5°	3.5	3.5	4.7
80°	2.4	3.5	3.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.4	2.4	2.4
85°	1.2	1.2	1.2
87.5°	1.2	1.2	1.2
90°	0.0	0.0	0.0

(END OF REPORT)