

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: P1316221

Luminaire Tested: P3SQAS13R259827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316221
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: P3SQAS13R259827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

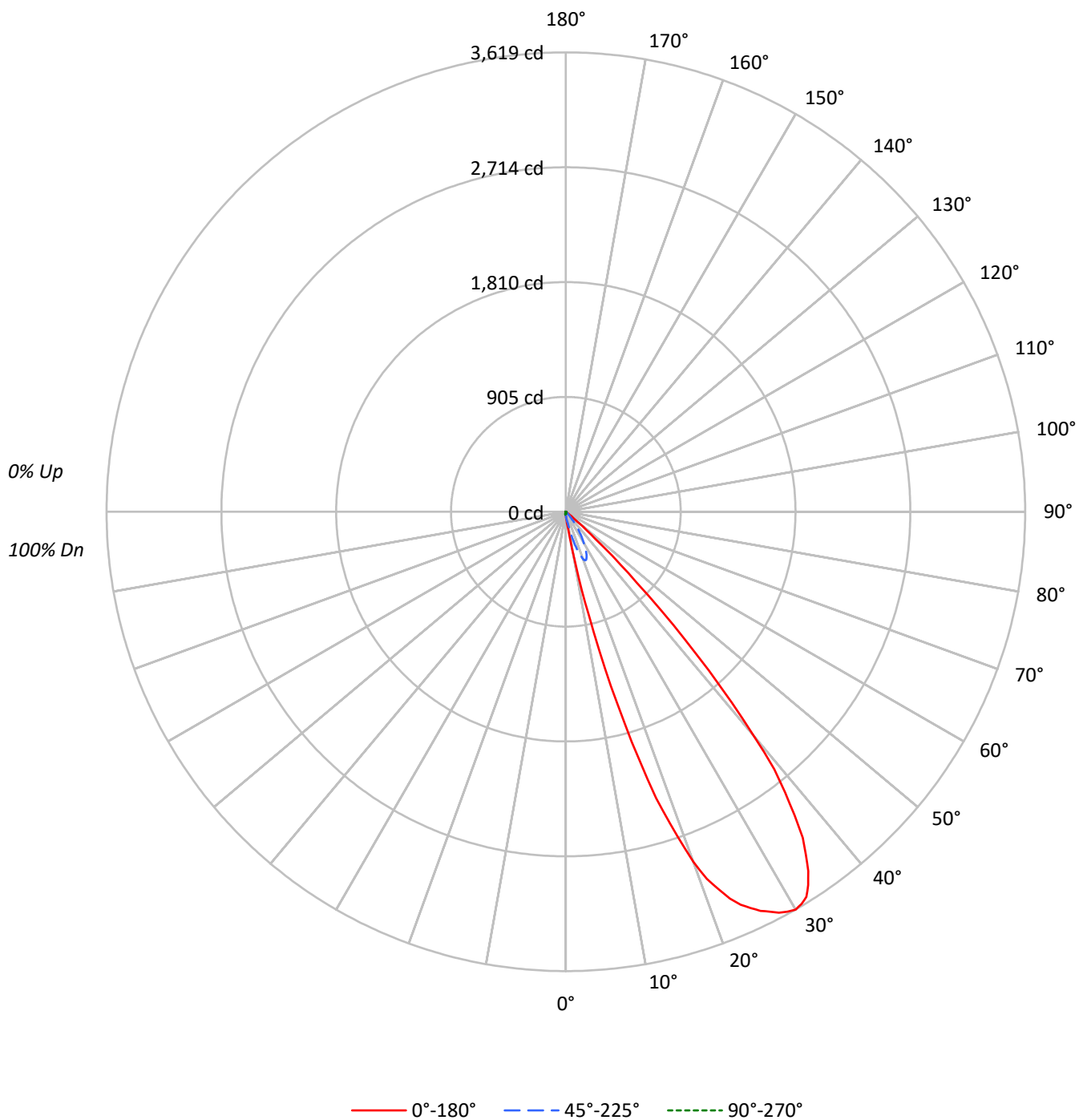
Lumens per Lamp: N/A
Luminaire Lumens: 724.1 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	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	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5356	5356	5356	5356	5356
5°	13433	9923	5014	2576	1988
10°	58707	16893	4127	1189	822
15°	279179	45519	2888	481	357
20°	537437	72925	1851	128	128
25°	654528	73559	1026	0	0
30°	719635	56279	398	0	0
35°	693493	35784	147	0	0
40°	518167	15490	0	0	157
45°	191828	4116	170	170	487
50°	22613	536	375	375	723
55°	2222	0	420	601	1021
60°	241	0	689	930	1171
65°	285	285	1100	1386	1671
70°	352	352	1360	1360	2065
75°	466	466	1331	1331	1797
80°	0	694	1984	1389	1984
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 191828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.6
10°-20°	84.4	11.7
20°-30°	264.9	36.6
30°-40°	278.9	38.5
40°-50°	81.9	11.3
50°-60°	4.4	0.6
60°-70°	2.1	0.3
70°-80°	1.8	0.3
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°	353.9	48.9
0°-40°	632.8	87.4
0°-60°	719.1	99.3
0°-90°	724.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	78	57	29	15	12	14
15°	1566	255	16	3	2	494
25°	3444	387	5	0	0	1580
35°	3298	170	1	0	0	1990
45°	788	17	1	1	2	716
55°	7	0	1	2	3	19
65°	1	1	3	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	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°	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
2.5°	48.0	48.6	46.6	48.0	46.6	45.9	45.3	41.9	36.5	31.1	25.7
5°	77.7	77.7	74.3	73.6	72.3	69.6	66.9	57.4	41.2	29.0	20.3
7.5°	121.6	120.9	119.6	116.2	109.4	102.7	95.9	75.0	45.3	27.0	15.5
10°	335.7	331.0	324.9	288.4	247.2	210.8	179.0	96.6	48.6	23.6	11.5
12.5°	834.2	807.2	743.1	670.1	576.9	478.9	383.0	157.4	50.0	19.6	8.1
15°	1565.8	1509.7	1409.8	1263.9	1073.4	859.2	676.9	255.3	48.6	16.2	6.1
17.5°	2364.3	2310.2	2171.7	1950.2	1669.8	1340.9	1018.0	338.4	45.3	13.5	4.1
20°	2932.4	2874.9	2745.2	2510.2	2206.9	1768.5	1340.2	397.9	42.6	10.1	2.0
21°	3098.5	3041.1	2904.0	2677.0	2358.2	1918.4	1443.5	408.0	40.5	8.8	1.4
22°	3203.9	3170.1	3022.9	2802.7	2477.7	2038.7	1532.0	412.7	39.2	8.1	1.4
23°	3310.0	3259.3	3121.5	2889.1	2568.9	2127.8	1597.6	409.4	37.8	6.8	0.7
24°	3388.3	3345.8	3185.7	2956.0	2632.4	2182.5	1636.1	400.6	35.8	6.1	0.7
25°	3444.4	3405.2	3238.4	3001.3	2675.0	2212.3	1648.2	387.1	33.8	5.4	0.7
26°	3497.7	3455.2	3282.3	3027.6	2697.3	2221.7	1636.7	372.2	31.7	4.7	0.0
27°	3536.2	3493.0	3312.7	3043.1	2698.6	2210.2	1605.7	351.9	29.7	4.1	0.0
28°	3577.5	3527.5	3333.6	3051.9	2690.5	2183.2	1561.1	330.3	28.4	3.4	0.0
29°	3602.4	3555.2	3355.2	3061.4	2673.6	2138.0	1496.2	304.7	25.0	2.0	0.0
30°	3618.7	3562.6	3353.2	3051.2	2651.3	2089.3	1418.6	283.0	21.6	2.0	0.0
31°	3605.1	3546.4	3331.6	3022.9	2615.5	2025.8	1338.8	256.0	17.6	1.4	0.0
32°	3576.1	3506.5	3293.7	2973.6	2551.4	1944.1	1256.4	233.7	12.8	1.4	0.0
33°	3505.2	3446.4	3225.5	2907.4	2467.6	1833.3	1149.0	212.1	8.8	0.7	0.0
34°	3416.0	3357.2	3132.3	2818.9	2355.5	1690.1	1018.7	189.8	7.4	0.7	0.0
35°	3298.5	3240.4	3026.9	2695.2	2206.9	1517.9	884.2	170.2	6.1	0.7	0.0
36°	3174.9	3097.8	2893.8	2563.5	2007.6	1322.0	740.3	147.9	4.7	0.7	0.0
37°	2993.1	2941.1	2714.8	2362.9	1792.1	1134.2	635.6	127.7	3.4	0.7	0.0
38°	2804.7	2756.7	2535.8	2160.9	1551.6	948.4	532.3	108.1	2.7	0.0	0.0
39°	2610.1	2530.4	2312.2	1902.2	1299.7	794.4	447.9	90.5	1.4	0.0	0.0
40°	2304.8	2244.0	2011.0	1591.5	1075.4	643.8	381.7	68.9	1.4	0.0	0.0
42.5°	1528.0	1471.2	1226.7	863.3	571.5	376.3	252.0	27.0	0.0	0.7	0.0
45°	787.6	751.8	610.7	451.9	324.2	231.0	162.1	16.9	0.0	0.7	0.7
47.5°	312.8	306.7	277.0	239.1	184.4	137.1	88.5	7.4	0.0	0.7	0.7
50°	84.4	85.1	79.7	73.6	66.9	62.8	37.2	2.0	0.0	1.4	0.7
52.5°	35.8	36.5	35.1	33.1	29.7	22.3	14.9	0.7	0.7	1.4	1.4
55°	7.4	8.1	8.8	9.5	10.8	9.5	6.1	0.0	0.7	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	2.0	2.0	1.4	0.0	0.7	1.4	2.0
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	2.0	2.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	2.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.7	2.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	1.4



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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	0.7	0.7	1.4	2.0	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	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):

	135°	157.5°	180°
0°	31.1	31.1	31.1
2.5°	21.6	19.6	18.9
5°	14.9	12.8	11.5
7.5°	10.1	8.1	7.4
10°	6.8	5.4	4.7
12.5°	4.7	2.7	2.7
15°	2.7	2.0	2.0
17.5°	1.4	0.7	0.7
20°	0.7	0.7	0.7
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	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.4
45°	0.7	1.4	2.0
47.5°	1.4	2.0	2.7
50°	1.4	2.7	2.7
52.5°	2.0	2.7	3.4
55°	2.0	3.4	3.4
57.5°	2.7	3.4	4.1
60°	2.7	3.4	3.4
62.5°	2.7	4.1	4.1
65°	3.4	4.1	4.1
67.5°	3.4	4.1	4.1
70°	2.7	3.4	4.1
72.5°	2.7	3.4	3.4
75°	2.0	2.7	2.7
77.5°	2.0	2.0	2.7
80°	1.4	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.4	1.4	1.4
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)