

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: P1310672

Luminaire Tested: P3SQAS24R259040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310672
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: P3SQAS24R259040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

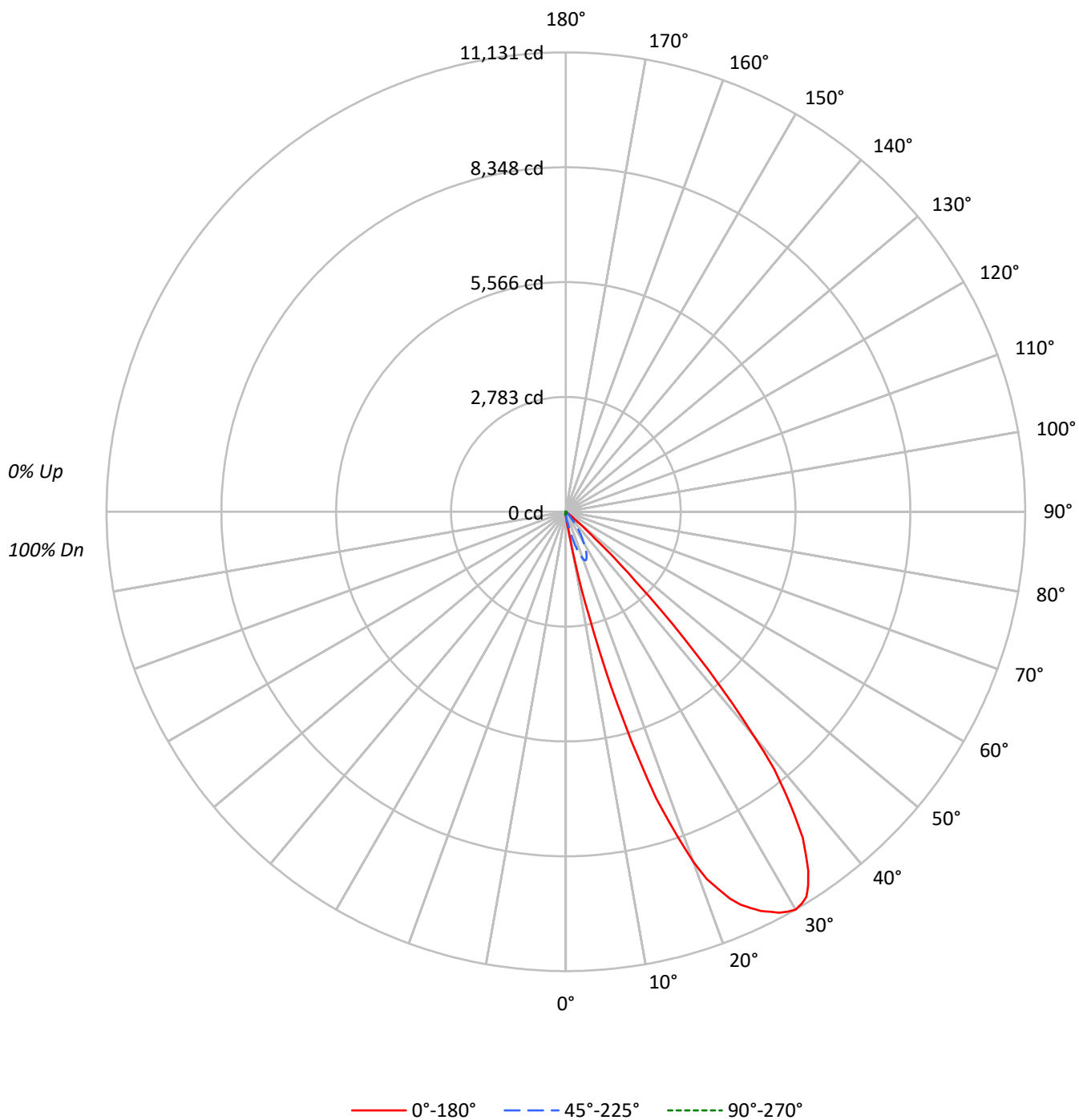
Lumens per Lamp: N/A
Luminaire Lumens: 2227.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	16464	16464	16464	16464	16464
5°	41301	30531	15438	7901	6103
10°	180598	51957	12714	3637	2536
15°	858754	140035	8897	1480	1105
20°	1653108	224293	5718	385	385
25°	2013294	226246	3154	0	0
30°	2213553	173132	1233	0	0
35°	2133146	110084	442	0	0
40°	1593866	47640	0	0	472
45°	590072	12641	511	511	1510
50°	69582	1661	1125	1125	2224
55°	6876	0	1261	1862	3123
60°	723	0	2136	2859	3582
65°	856	856	3382	4238	5094
70°	1057	1057	4179	4179	6294
75°	1397	1397	4126	4126	5523
80°	0	2083	6149	4166	6149
85°	0	4150	12251	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 590072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.6
10°-20°	259.6	11.7
20°-30°	814.9	36.6
30°-40°	857.9	38.5
40°-50°	252.0	11.3
50°-60°	13.5	0.6
60°-70°	6.6	0.3
70°-80°	5.6	0.3
80°-90°	2.9	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°	1088.5	48.9
0°-40°	1946.4	87.4
0°-60°	2211.9	99.3
0°-90°	2227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	239	177	89	46	35	43
15°	4816	785	50	8	6	1518
25°	10595	1191	17	0	0	4859
35°	10146	524	2	0	0	6122
45°	2423	52	2	2	6	2202
55°	23	0	4	6	10	58
65°	2	2	8	10	12	2
75°	2	2	6	6	8	1
85°	0	2	6	2	2	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°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	147.5	149.6	143.4	147.5	143.4	141.3	139.2	128.8	112.2	95.6	79.0
5°	238.9	238.9	228.6	226.5	222.3	214.0	205.7	176.6	126.7	89.3	62.3
7.5°	374.0	371.9	367.8	357.4	336.6	315.8	295.1	230.6	139.2	83.1	47.8
10°	1032.7	1018.1	999.4	887.2	760.5	648.3	550.6	297.1	149.6	72.7	35.3
12.5°	2566.1	2483.0	2285.6	2061.2	1774.5	1473.2	1178.1	484.1	153.8	60.3	24.9
15°	4816.4	4643.9	4336.4	3887.6	3301.7	2643.0	2082.0	785.4	149.6	49.9	18.7
17.5°	7272.4	7106.1	6680.2	5998.7	5136.4	4124.5	3131.3	1041.0	139.2	41.6	12.5
20°	9019.8	8843.2	8444.3	7721.2	6788.2	5439.7	4122.4	1223.8	130.9	31.2	6.2
21°	9531.0	9354.3	8932.5	8234.4	7253.7	5901.0	4440.3	1255.0	124.7	27.0	4.2
22°	9855.1	9751.2	9298.2	8620.9	7621.4	6270.9	4712.5	1269.5	120.5	24.9	4.2
23°	10181.3	10025.5	9601.6	8886.8	7901.9	6545.1	4914.0	1259.2	116.4	20.8	2.1
24°	10422.3	10291.4	9799.0	9092.5	8097.3	6713.4	5032.5	1232.1	110.1	18.7	2.1
25°	10594.8	10474.3	9961.1	9231.8	8228.2	6804.9	5069.9	1190.6	103.9	16.6	2.1
26°	10758.9	10628.0	10096.1	9312.8	8296.7	6833.9	5034.6	1144.9	97.7	14.5	0.0
27°	10877.4	10744.4	10189.6	9360.6	8300.9	6798.6	4939.0	1082.5	91.4	12.5	0.0
28°	11004.1	10850.4	10254.0	9387.6	8276.0	6715.5	4801.8	1016.1	87.3	10.4	0.0
29°	11081.0	10935.6	10320.5	9416.7	8224.0	6576.3	4602.4	937.1	76.9	6.2	0.0
30°	11130.9	10958.4	10314.3	9385.5	8155.4	6426.7	4363.4	870.6	66.5	6.2	0.0
31°	11089.3	10908.6	10247.8	9298.2	8045.3	6231.4	4118.2	787.5	54.0	4.2	0.0
32°	11000.0	10786.0	10131.4	9146.6	7847.9	5980.0	3864.7	718.9	39.5	4.2	0.0
33°	10781.8	10601.0	9921.6	8942.9	7590.3	5639.2	3534.4	652.4	27.0	2.1	0.0
34°	10507.5	10326.8	9634.8	8670.7	7245.4	5198.7	3133.4	583.9	22.9	2.1	0.0
35°	10146.0	9967.3	9310.7	8290.5	6788.2	4668.9	2719.9	523.6	18.7	2.1	0.0
36°	9765.8	9528.9	8901.4	7885.3	6175.3	4066.3	2277.3	455.0	14.5	2.1	0.0
37°	9206.8	9046.8	8350.8	7268.2	5512.5	3488.7	1955.2	392.7	10.4	2.1	0.0
38°	8627.1	8479.6	7800.1	6646.9	4772.8	2917.3	1637.3	332.5	8.3	0.0	0.0
39°	8028.7	7783.5	7112.4	5851.1	3997.7	2443.5	1377.6	278.4	4.2	0.0	0.0
40°	7089.5	6902.5	6185.7	4895.3	3307.9	1980.2	1174.0	211.9	4.2	0.0	0.0
42.5°	4700.0	4525.5	3773.3	2655.5	1757.8	1157.3	775.0	83.1	0.0	2.1	0.0
45°	2422.7	2312.6	1878.3	1390.1	997.4	710.6	498.7	51.9	0.0	2.1	2.1
47.5°	962.0	943.3	851.9	735.5	567.2	421.8	272.2	22.9	0.0	2.1	2.1
50°	259.7	261.8	245.2	226.5	205.7	193.2	114.3	6.2	0.0	4.2	2.1
52.5°	110.1	112.2	108.0	101.8	91.4	68.6	45.7	2.1	2.1	4.2	4.2
55°	22.9	24.9	27.0	29.1	33.2	29.1	18.7	0.0	2.1	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	6.2	6.2	4.2	0.0	2.1	4.2	6.2
60°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	4.2	6.2	6.2
62.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	6.2	8.3
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	8.3	8.3
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	8.3
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	8.3
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	6.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	6.2	6.2
77.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2	6.2	6.2
80°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2	6.2	4.2



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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	2.1	2.1	4.2	6.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	4.2
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°	95.6	95.6	95.6
2.5°	66.5	60.3	58.2
5°	45.7	39.5	35.3
7.5°	31.2	24.9	22.9
10°	20.8	16.6	14.5
12.5°	14.5	8.3	8.3
15°	8.3	6.2	6.2
17.5°	4.2	2.1	2.1
20°	2.1	2.1	2.1
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	2.1
39°	0.0	2.1	2.1
40°	0.0	2.1	2.1
42.5°	0.0	2.1	4.2
45°	2.1	4.2	6.2
47.5°	4.2	6.2	8.3
50°	4.2	8.3	8.3
52.5°	6.2	8.3	10.4
55°	6.2	10.4	10.4
57.5°	8.3	10.4	12.5
60°	8.3	10.4	10.4
62.5°	8.3	12.5	12.5
65°	10.4	12.5	12.5
67.5°	10.4	12.5	12.5
70°	8.3	10.4	12.5
72.5°	8.3	10.4	10.4
75°	6.2	8.3	8.3
77.5°	6.2	6.2	8.3
80°	4.2	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	4.2	4.2	4.2
85°	2.1	2.1	2.1
87.5°	2.1	2.1	2.1
90°	0.0	0.0	0.0

(END OF REPORT)