

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: P1316367

Luminaire Tested: P3SQAS17R259827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316367
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: P3SQAS17R259827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

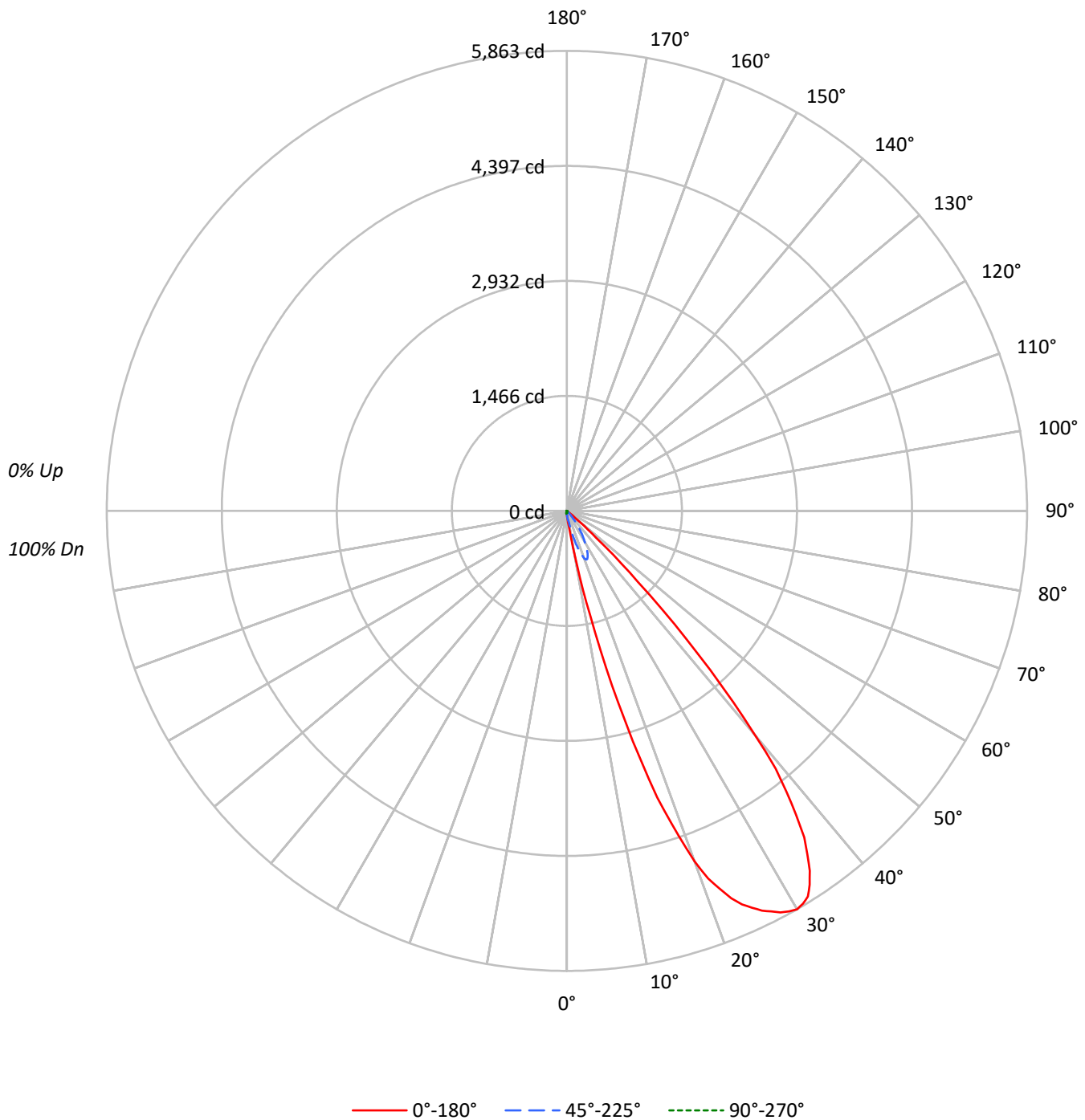
Lumens per Lamp: N/A
Luminaire Lumens: 1173.1 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316367

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316367

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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°	8663	8663	8663	8663	8663
5°	21766	16078	8143	4166	3216
10°	95117	27369	6698	1906	1347
15°	452324	73762	4689	785	588
20°	870724	118139	3006	202	202
25°	1060444	119166	1672	0	0
30°	1165909	91200	656	0	0
35°	1123570	57986	231	0	0
40°	839525	25090	0	0	247
45°	310806	6674	268	268	804
50°	36653	884	589	589	1179
55°	3603	0	661	991	1651
60°	379	0	1137	1516	1894
65°	448	448	1793	2241	2690
70°	554	554	2216	2216	3323
75°	732	732	2196	2196	2928
80°	0	1091	3273	2182	3273
85°	0	2174	6521	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 310806 cd/sqm

TEST NUMBER: P1316367

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.6
10°-20°	136.8	11.7
20°-30°	429.2	36.6
30°-40°	451.9	38.5
40°-50°	132.8	11.3
50°-60°	7.1	0.6
60°-70°	3.5	0.3
70°-80°	3.0	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°	573.3	48.9
0°-40°	1025.2	87.4
0°-60°	1165.1	99.3
0°-90°	1173.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	126	93	47	24	19	22
15°	2537	414	26	4	3	800
25°	5580	627	9	0	0	2560
35°	5344	276	1	0	0	3225
45°	1276	27	1	1	3	1160
55°	12	0	2	3	6	31
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	

TEST NUMBER: P1316367

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2.5°	77.7	78.8	75.5	77.7	75.5	74.4	73.3	67.9	59.1	50.3	41.6
5°	125.9	125.9	120.4	119.3	117.1	112.7	108.3	93.0	66.8	47.1	32.8
7.5°	197.0	195.9	193.7	188.2	177.3	166.4	155.4	121.5	73.3	43.8	25.2
10°	543.9	536.3	526.4	467.3	400.6	341.5	290.0	156.5	78.8	38.3	18.6
12.5°	1351.6	1307.8	1203.9	1085.7	934.6	775.9	620.5	255.0	81.0	31.7	13.1
15°	2536.9	2446.0	2284.1	2047.7	1739.0	1392.1	1096.6	413.7	78.8	26.3	9.8
17.5°	3830.5	3742.9	3518.6	3159.6	2705.4	2172.4	1649.3	548.3	73.3	21.9	6.6
20°	4750.9	4657.9	4447.7	4066.9	3575.5	2865.2	2171.3	644.6	68.9	16.4	3.3
21°	5020.1	4927.1	4704.9	4337.2	3820.6	3108.2	2338.8	661.0	65.7	14.2	2.2
22°	5190.9	5136.1	4897.5	4540.8	4014.3	3303.0	2482.2	668.7	63.5	13.1	2.2
23°	5362.7	5280.6	5057.3	4680.9	4162.1	3447.4	2588.3	663.2	61.3	10.9	1.1
24°	5489.6	5420.7	5161.3	4789.2	4265.0	3536.1	2650.7	649.0	58.0	9.8	1.1
25°	5580.5	5517.0	5246.7	4862.5	4333.9	3584.2	2670.4	627.1	54.7	8.8	1.1
26°	5666.9	5598.0	5317.8	4905.2	4370.0	3599.6	2651.8	603.0	51.4	7.7	0.0
27°	5729.3	5659.3	5367.1	4930.4	4372.2	3581.0	2601.4	570.2	48.2	6.6	0.0
28°	5796.1	5715.1	5401.0	4944.6	4359.1	3537.2	2529.2	535.2	46.0	5.5	0.0
29°	5836.6	5760.0	5436.0	4959.9	4331.7	3463.9	2424.1	493.6	40.5	3.3	0.0
30°	5862.8	5772.0	5432.7	4943.5	4295.6	3385.1	2298.3	458.6	35.0	3.3	0.0
31°	5840.9	5745.7	5397.7	4897.5	4237.6	3282.2	2169.1	414.8	28.5	2.2	0.0
32°	5793.9	5681.2	5336.4	4817.7	4133.6	3149.8	2035.6	378.7	20.8	2.2	0.0
33°	5679.0	5583.8	5225.9	4710.4	3997.9	2970.3	1861.6	343.6	14.2	1.1	0.0
34°	5534.5	5439.3	5074.8	4567.0	3816.3	2738.2	1650.4	307.5	12.0	1.1	0.0
35°	5344.1	5250.0	4904.1	4366.8	3575.5	2459.2	1432.6	275.8	9.8	1.1	0.0
36°	5143.8	5019.0	4688.5	4153.3	3252.6	2141.8	1199.5	239.7	7.7	1.1	0.0
37°	4849.4	4765.1	4398.5	3828.3	2903.5	1837.5	1029.9	206.8	5.5	1.1	0.0
38°	4544.0	4466.3	4108.5	3501.1	2513.9	1536.6	862.4	175.1	4.4	0.0	0.0
39°	4228.9	4099.7	3746.2	3081.9	2105.7	1287.0	725.6	146.7	2.2	0.0	0.0
40°	3734.2	3635.7	3258.1	2578.5	1742.3	1043.0	618.3	111.6	2.2	0.0	0.0
42.5°	2475.6	2383.7	1987.5	1398.7	925.9	609.6	408.2	43.8	0.0	1.1	0.0
45°	1276.1	1218.1	989.4	732.2	525.3	374.3	262.7	27.4	0.0	1.1	1.1
47.5°	506.7	496.9	448.7	387.4	298.8	222.2	143.4	12.0	0.0	1.1	1.1
50°	136.8	137.9	129.1	119.3	108.3	101.8	60.2	3.3	0.0	2.2	1.1
52.5°	58.0	59.1	56.9	53.6	48.2	36.1	24.1	1.1	1.1	2.2	2.2
55°	12.0	13.1	14.2	15.3	17.5	15.3	9.8	0.0	1.1	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	3.3	3.3	2.2	0.0	1.1	2.2	3.3
60°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2	3.3	3.3
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	4.4
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.4	4.4
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4	4.4
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4	4.4
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4	3.3
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	3.3	3.3
77.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.3	3.3
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.3	2.2



TEST NUMBER: P1316367

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCA301MW

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	2.2	3.3	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1316367

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	50.3	50.3	50.3
2.5°	35.0	31.7	30.6
5°	24.1	20.8	18.6
7.5°	16.4	13.1	12.0
10°	10.9	8.8	7.7
12.5°	7.7	4.4	4.4
15°	4.4	3.3	3.3
17.5°	2.2	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	2.2
45°	1.1	2.2	3.3
47.5°	2.2	3.3	4.4
50°	2.2	4.4	4.4
52.5°	3.3	4.4	5.5
55°	3.3	5.5	5.5
57.5°	4.4	5.5	6.6
60°	4.4	5.5	5.5
62.5°	4.4	6.6	6.6
65°	5.5	6.6	6.6
67.5°	5.5	6.6	6.6
70°	4.4	5.5	6.6
72.5°	4.4	5.5	5.5
75°	3.3	4.4	4.4
77.5°	3.3	3.3	4.4
80°	2.2	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.2	2.2	2.2
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)