

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: P1318119

Luminaire Tested: P3SQAS17R259835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318119
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: P3SQAS17R259835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

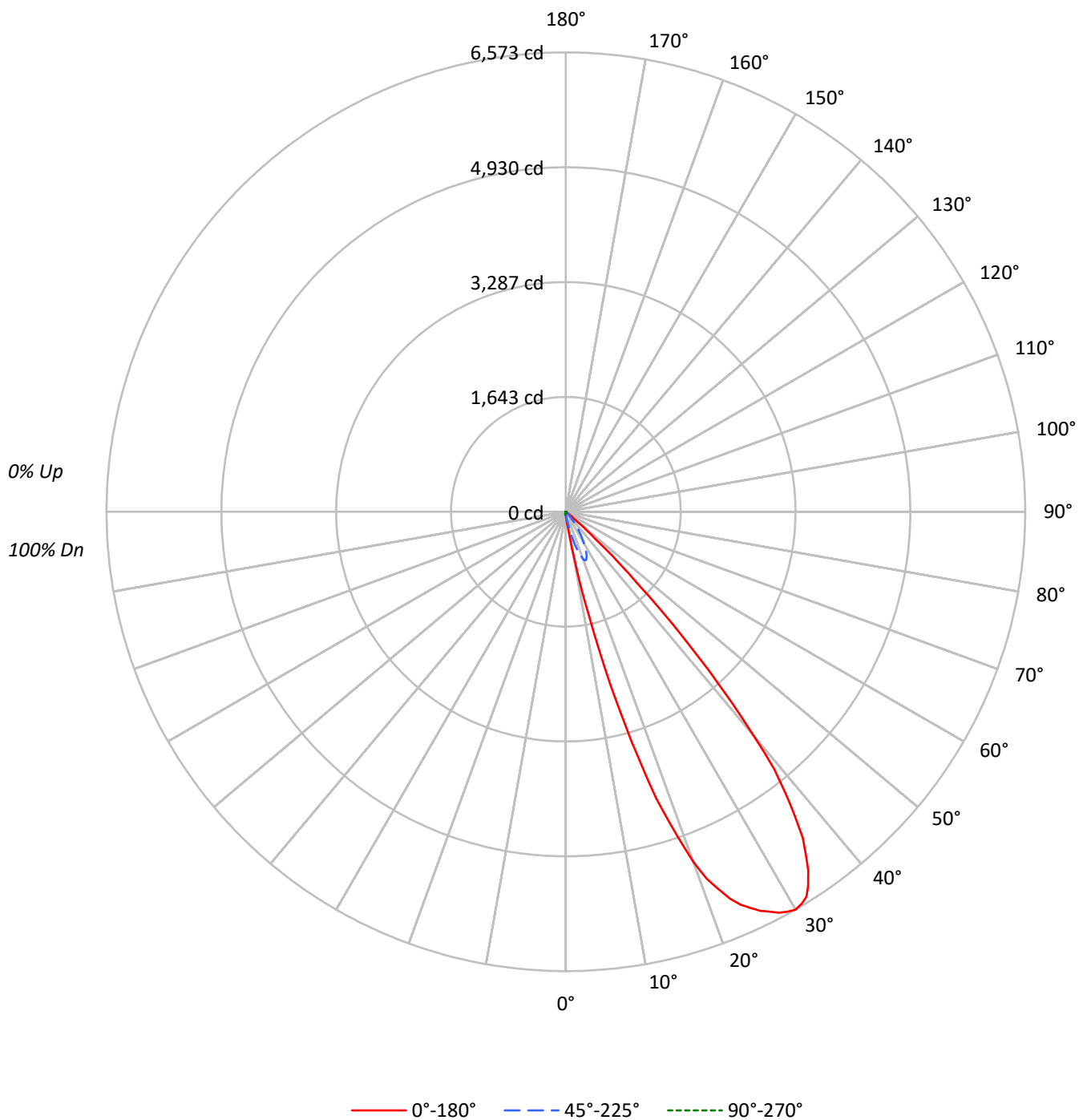
Lumens per Lamp: N/A
Luminaire Lumens: 1315.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

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°	9713	9713	9713	9713	9713
5°	24393	18031	9128	4668	3613
10°	106641	30674	7502	2151	1504
15°	507080	82695	5242	874	660
20°	976125	132453	3372	220	220
25°	1188807	133589	1862	0	0
30°	1307064	102237	736	0	0
35°	1259578	65008	252	0	0
40°	941144	28125	0	0	270
45°	348436	7477	292	292	901
50°	41101	991	670	670	1313
55°	4054	0	751	1111	1832
60°	413	0	1274	1688	2101
65°	489	489	1997	2486	3016
70°	604	604	2467	2467	3726
75°	799	799	2462	2462	3261
80°	0	1190	3670	2479	3670
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 348436 cd/sqm

TEST NUMBER: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.6
10°-20°	153.3	11.7
20°-30°	481.2	36.6
30°-40°	506.6	38.5
40°-50°	148.8	11.3
50°-60°	8.0	0.6
60°-70°	3.9	0.3
70°-80°	3.3	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°	642.7	48.9
0°-40°	1149.3	87.4
0°-60°	1306.1	99.3
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	141	104	53	27	21	25
15°	2844	464	29	5	4	896
25°	6256	703	10	0	0	2869
35°	5991	309	1	0	0	3615
45°	1431	31	1	1	4	1300
55°	14	0	2	4	6	34
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	

TEST NUMBER: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2.5°	87.1	88.3	84.7	87.1	84.7	83.4	82.2	76.1	66.3	56.4	46.6
5°	141.1	141.1	135.0	133.7	131.3	126.4	121.5	104.3	74.8	52.8	36.8
7.5°	220.8	219.6	217.2	211.0	198.8	186.5	174.2	136.2	82.2	49.1	28.2
10°	609.8	601.2	590.1	523.9	449.0	382.8	325.1	175.4	88.3	42.9	20.9
12.5°	1515.2	1466.2	1349.6	1217.1	1047.8	869.9	695.7	285.9	90.8	35.6	14.7
15°	2844.0	2742.1	2560.6	2295.6	1949.6	1560.6	1229.4	463.8	88.3	29.4	11.0
17.5°	4294.2	4196.0	3944.5	3542.1	3032.9	2435.4	1849.0	614.7	82.2	24.5	7.4
20°	5326.0	5221.7	4986.2	4559.2	4008.3	3212.1	2434.2	722.7	77.3	18.4	3.7
21°	5627.8	5523.6	5274.5	4862.3	4283.1	3484.4	2621.9	741.1	73.6	15.9	2.5
22°	5819.2	5757.9	5490.4	5090.5	4500.3	3702.8	2782.6	749.6	71.2	14.7	2.5
23°	6011.9	5919.8	5669.6	5247.5	4665.9	3864.8	2901.6	743.5	68.7	12.3	1.2
24°	6154.2	6076.9	5786.1	5369.0	4781.3	3964.2	2971.6	727.6	65.0	11.0	1.2
25°	6256.0	6184.9	5881.8	5451.2	4858.6	4018.1	2993.7	703.0	61.3	9.8	1.2
26°	6352.9	6275.7	5961.6	5499.0	4899.1	4035.3	2972.8	676.0	57.7	8.6	0.0
27°	6422.9	6344.4	6016.8	5527.2	4901.5	4014.5	2916.4	639.2	54.0	7.4	0.0
28°	6497.7	6406.9	6054.8	5543.2	4886.8	3965.4	2835.4	600.0	51.5	6.1	0.0
29°	6543.1	6457.2	6094.1	5560.4	4856.1	3883.2	2717.6	553.3	45.4	3.7	0.0
30°	6572.6	6470.7	6090.4	5542.0	4815.6	3794.8	2576.5	514.1	39.3	3.7	0.0
31°	6548.0	6441.3	6051.1	5490.4	4750.6	3679.5	2431.7	465.0	31.9	2.5	0.0
32°	6495.3	6368.9	5982.4	5400.9	4634.0	3531.1	2282.1	424.5	23.3	2.5	0.0
33°	6366.4	6259.7	5858.5	5280.6	4481.9	3329.8	2087.0	385.3	15.9	1.2	0.0
34°	6204.5	6097.8	5689.2	5119.9	4278.2	3069.7	1850.2	344.8	13.5	1.2	0.0
35°	5991.0	5885.5	5497.8	4895.4	4008.3	2756.9	1606.0	309.2	11.0	1.2	0.0
36°	5766.5	5626.6	5256.1	4656.1	3646.4	2401.1	1344.7	268.7	8.6	1.2	0.0
37°	5436.4	5342.0	4931.0	4291.7	3255.0	2060.0	1154.5	231.9	6.1	1.2	0.0
38°	5094.1	5007.0	4605.8	3924.9	2818.2	1722.6	966.8	196.3	4.9	0.0	0.0
39°	4740.8	4596.0	4199.7	3455.0	2360.6	1442.8	813.4	164.4	2.5	0.0	0.0
40°	4186.2	4075.8	3652.5	2890.6	1953.2	1169.2	693.2	125.1	2.5	0.0	0.0
42.5°	2775.3	2672.2	2228.1	1568.0	1038.0	683.4	457.6	49.1	0.0	1.2	0.0
45°	1430.6	1365.6	1109.1	820.8	588.9	419.6	294.5	30.7	0.0	1.2	1.2
47.5°	568.1	557.0	503.0	434.3	334.9	249.1	160.7	13.5	0.0	1.2	1.2
50°	153.4	154.6	144.8	133.7	121.5	114.1	67.5	3.7	0.0	2.5	1.2
52.5°	65.0	66.3	63.8	60.1	54.0	40.5	27.0	1.2	1.2	2.5	2.5
55°	13.5	14.7	15.9	17.2	19.6	17.2	11.0	0.0	1.2	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	3.7	3.7	2.5	0.0	1.2	2.5	3.7
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.5	3.7	3.7
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	4.9
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	4.9	4.9
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	4.9	4.9
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	4.9	4.9
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	4.9	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	3.7	3.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	3.7
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	2.5



TEST NUMBER: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 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	1.2	1.2	2.5	3.7	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
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: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	56.4	56.4	56.4
2.5°	39.3	35.6	34.4
5°	27.0	23.3	20.9
7.5°	18.4	14.7	13.5
10°	12.3	9.8	8.6
12.5°	8.6	4.9	4.9
15°	4.9	3.7	3.7
17.5°	2.5	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	2.5
45°	1.2	2.5	3.7
47.5°	2.5	3.7	4.9
50°	2.5	4.9	4.9
52.5°	3.7	4.9	6.1
55°	3.7	6.1	6.1
57.5°	4.9	6.1	7.4
60°	4.9	6.1	6.1
62.5°	4.9	7.4	7.4
65°	6.1	7.4	7.4
67.5°	6.1	7.4	7.4
70°	4.9	6.1	7.4
72.5°	4.9	6.1	6.1
75°	3.7	4.9	4.9
77.5°	3.7	3.7	4.9
80°	2.5	3.7	3.7



TEST NUMBER: P1318119

CATALOG NUMBER: P3SQAS17R259835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.5	2.5	2.5
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)