

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: P1310379

Luminaire Tested: P3SQAS17R259040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

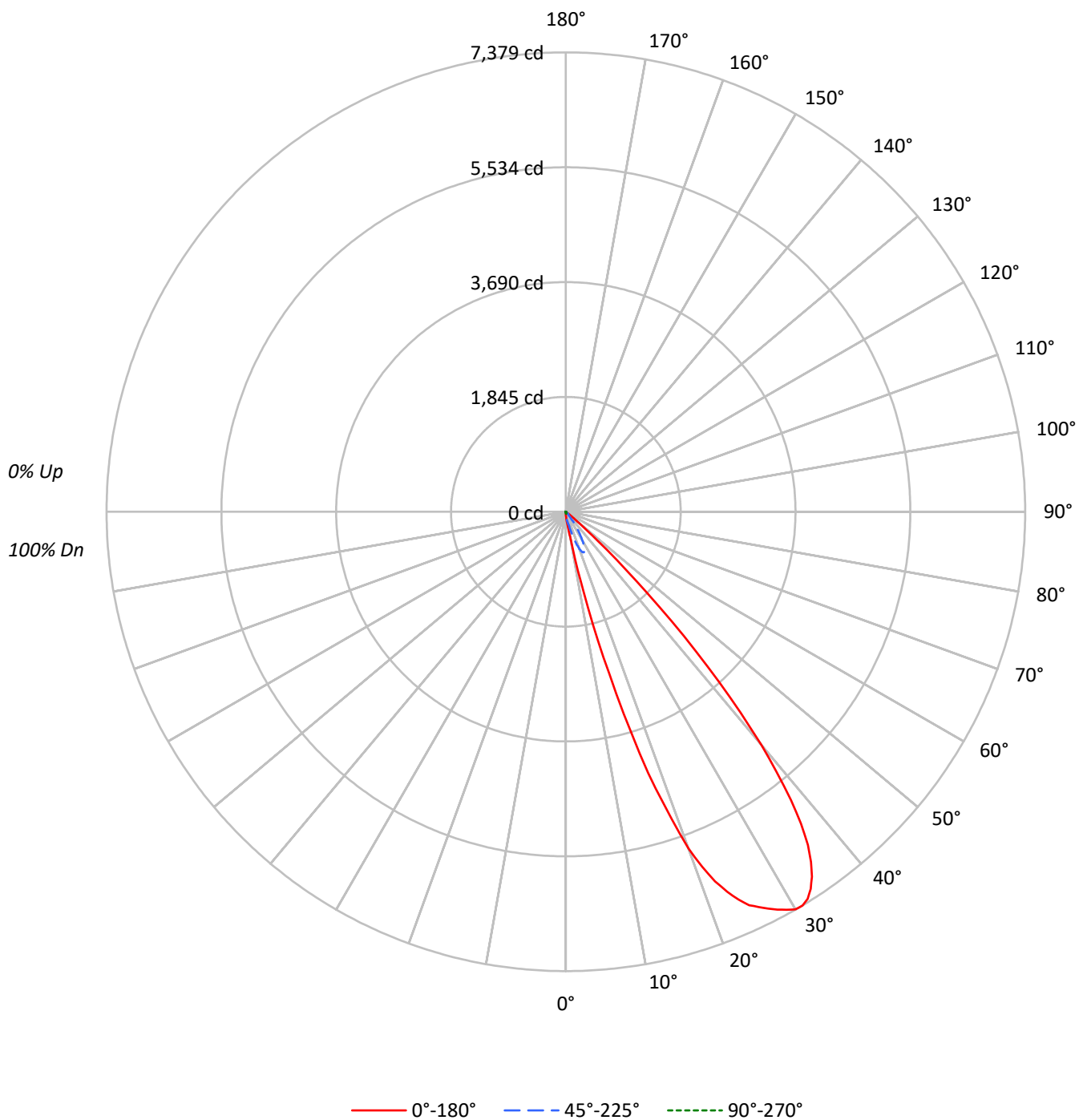
Lumens per Lamp: N/A
Luminaire Lumens: 1446.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42		52	46	42		51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7871	7871	7871	7871	7871
5°	24670	17236	7175	3838	2870
10°	77751	31251	5334	490	0
15°	480798	59516	3209	0	0
20°	1054164	115995	1008	0	0
25°	1325132	133437	0	0	0
30°	1466912	103291	0	0	0
35°	1443984	58532	0	0	0
40°	1097597	15265	0	0	0
45°	444594	6747	0	0	0
50°	49353	750	0	0	0
55°	3753	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2795	0	0
80°	0	1389	4166	0	0
85°	0	2766	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 444594 cd/sqm

TEST NUMBER: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.5
10°-20°	149.4	10.3
20°-30°	522.1	36.1
30°-40°	582.4	40.3
40°-50°	175.9	12.2
50°-60°	5.9	0.4
60°-70°	0.8	0.1
70°-80°	1.3	0.1
80°-90°	1.2	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°	678.6	46.9
0°-40°	1261.0	87.2
0°-60°	1442.8	99.8
0°-90°	1446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1446.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	143	100	42	22	17	22
15°	2697	334	18	0	0	896
25°	6973	702	0	0	0	3181
35°	6868	278	0	0	0	4123
45°	1825	28	0	0	0	1577
55°	12	0	1	0	0	39
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	78.9	81.7	80.3	81.7	80.3	80.3	80.3	81.7	80.3	80.3	80.3
5°	142.7	144.0	144.0	142.7	142.7	145.4	142.7	144.0	139.9	142.7	141.3
7.5°	234.1	231.3	231.3	232.7	232.7	229.9	228.5	225.8	228.5	228.5	224.4
10°	444.6	441.8	434.9	432.1	434.9	434.9	421.0	423.8	425.2	412.7	408.6
12.5°	1306.0	1296.3	1315.7	1285.3	1267.3	1238.2	1254.8	1198.0	1185.5	1177.2	1157.8
15°	2696.6	2770.0	2738.1	2740.9	2746.4	2677.2	2700.7	2614.8	2542.8	2520.7	2505.4
17.5°	4397.3	4419.5	4390.4	4376.5	4371.0	4337.8	4297.6	4254.7	4199.3	4150.8	4110.6
20°	5751.8	5735.2	5685.3	5690.9	5631.3	5600.9	5566.2	5523.3	5480.4	5409.7	5341.9
21°	6109.2	6060.7	6062.1	6028.8	6027.4	5988.7	5927.7	5883.4	5844.6	5764.3	5721.4
22°	6402.8	6391.7	6366.8	6341.8	6315.5	6296.1	6228.3	6206.1	6127.2	6060.7	5999.7
23°	6631.3	6635.4	6613.3	6596.7	6560.7	6552.3	6465.1	6434.6	6380.6	6279.5	6217.2
24°	6821.0	6814.1	6789.2	6760.1	6739.3	6719.9	6653.5	6603.6	6544.0	6460.9	6400.0
25°	6973.4	6956.8	6940.1	6918.0	6884.7	6862.6	6794.7	6739.3	6688.1	6595.3	6512.2
26°	7063.4	7067.6	7041.2	7024.6	6995.5	6973.4	6902.7	6837.7	6773.9	6674.2	6599.4
27°	7154.8	7150.7	7127.1	7102.2	7071.7	7063.4	6981.7	6913.8	6848.7	6743.5	6654.8
28°	7239.3	7228.2	7208.8	7179.7	7146.5	7121.6	7042.6	6972.0	6901.4	6789.2	6692.2
29°	7309.9	7298.9	7286.4	7249.0	7206.1	7189.4	7105.0	7019.1	6948.5	6833.5	6731.0
30°	7376.4	7355.6	7326.6	7294.7	7253.1	7221.3	7132.7	7057.9	6974.8	6847.3	6749.0
31°	7379.2	7351.5	7330.7	7297.5	7250.4	7211.6	7118.8	7042.6	6945.7	6826.6	6719.9
32°	7330.7	7316.9	7283.6	7247.6	7201.9	7163.1	7060.6	6980.3	6888.9	6761.5	6654.8
33°	7221.3	7207.4	7188.1	7150.7	7091.1	7055.1	6963.7	6875.0	6785.0	6670.1	6548.2
34°	7070.3	7053.7	7028.8	6991.4	6930.4	6893.1	6819.6	6728.2	6632.7	6513.6	6400.0
35°	6868.1	6836.3	6829.3	6773.9	6717.2	6707.5	6620.2	6524.6	6427.7	6296.1	6197.8
36°	6617.4	6580.0	6555.1	6535.7	6498.3	6452.6	6366.8	6290.6	6165.9	6081.5	5943.0
37°	6275.4	6229.6	6253.2	6200.6	6142.4	6123.0	6013.6	5944.3	5839.1	5724.1	5606.4
38°	5876.5	5872.3	5866.8	5843.2	5743.5	5692.3	5646.6	5573.2	5481.8	5343.3	5184.0
39°	5372.3	5380.7	5351.6	5354.3	5304.5	5253.2	5189.5	5106.4	4995.6	4869.6	4740.8
40°	4882.1	4764.3	4785.1	4714.5	4718.6	4642.5	4559.4	4486.0	4415.3	4304.5	4128.6
42.5°	3378.0	3360.0	3297.6	3253.3	3272.7	3174.4	3065.0	2962.5	2864.1	2739.5	2585.8
45°	1825.4	1783.9	1796.3	1724.3	1724.3	1680.0	1649.5	1563.6	1472.2	1415.5	1326.8
47.5°	678.6	687.0	702.2	673.1	639.9	659.3	630.2	630.2	614.9	596.9	572.0
50°	184.2	187.0	184.2	184.2	180.0	177.3	171.7	170.4	169.0	164.8	157.9
52.5°	74.8	70.6	70.6	72.0	72.0	69.2	70.6	70.6	69.2	67.9	67.9
55°	12.5	13.8	13.8	13.8	13.8	12.5	12.5	13.8	15.2	13.8	13.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	77.6	67.9	56.8	47.1	37.4	31.9	29.1	30.5
5°	131.6	99.7	65.1	41.5	29.1	22.2	18.0	16.6
7.5°	202.2	137.1	73.4	36.0	22.2	11.1	6.9	5.5
10°	310.2	178.7	78.9	30.5	13.8	2.8	0.0	0.0
12.5°	796.4	218.8	80.3	24.9	5.5	0.0	0.0	0.0
15°	1637.0	333.8	77.6	18.0	1.4	0.0	0.0	0.0
17.5°	2721.5	511.1	67.9	12.5	0.0	0.0	0.0	0.0
20°	3775.5	632.9	54.0	5.5	0.0	0.0	0.0	0.0
21°	4092.6	668.9	48.5	4.2	0.0	0.0	0.0	0.0
22°	4351.6	695.3	42.9	2.8	0.0	0.0	0.0	0.0
23°	4567.7	709.1	37.4	1.4	0.0	0.0	0.0	0.0
24°	4718.6	711.9	34.6	1.4	0.0	0.0	0.0	0.0
25°	4790.7	702.2	30.5	0.0	0.0	0.0	0.0	0.0
26°	4818.4	682.8	27.7	0.0	0.0	0.0	0.0	0.0
27°	4797.6	657.9	24.9	0.0	0.0	0.0	0.0	0.0
28°	4760.2	620.5	20.8	0.0	0.0	0.0	0.0	0.0
29°	4686.8	570.6	18.0	0.0	0.0	0.0	0.0	0.0
30°	4616.1	519.4	15.2	0.0	0.0	0.0	0.0	0.0
31°	4535.8	473.7	12.5	0.0	0.0	0.0	0.0	0.0
32°	4437.5	421.0	9.7	0.0	0.0	0.0	0.0	0.0
33°	4274.1	372.6	6.9	0.0	0.0	0.0	0.0	0.0
34°	4045.5	326.9	5.5	0.0	0.0	0.0	0.0	0.0
35°	3739.4	278.4	4.2	0.0	0.0	0.0	0.0	0.0
36°	3404.3	227.1	2.8	0.0	0.0	0.0	0.0	0.0
37°	2994.3	164.8	2.8	0.0	0.0	0.0	0.0	0.0
38°	2566.4	103.9	1.4	0.0	0.0	0.0	0.0	0.0
39°	2128.7	78.9	1.4	0.0	0.0	0.0	0.0	0.0
40°	1728.5	67.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	925.2	45.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	545.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	304.7	11.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	109.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	42.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	15.2	0.0	0.0	1.4	0.0	0.0	0.0	0.0
57.5°	1.4	0.0	1.4	1.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.4	2.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.8	2.8	1.4	0.0	0.0	0.0
67.5°	0.0	1.4	2.8	2.8	1.4	0.0	0.0	0.0
70°	0.0	1.4	2.8	2.8	1.4	0.0	0.0	0.0
72.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
75°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
77.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
80°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0



TEST NUMBER: P1310379

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
85°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
87.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)