

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: P1314228

Luminaire Tested: P3SQAS09R359735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

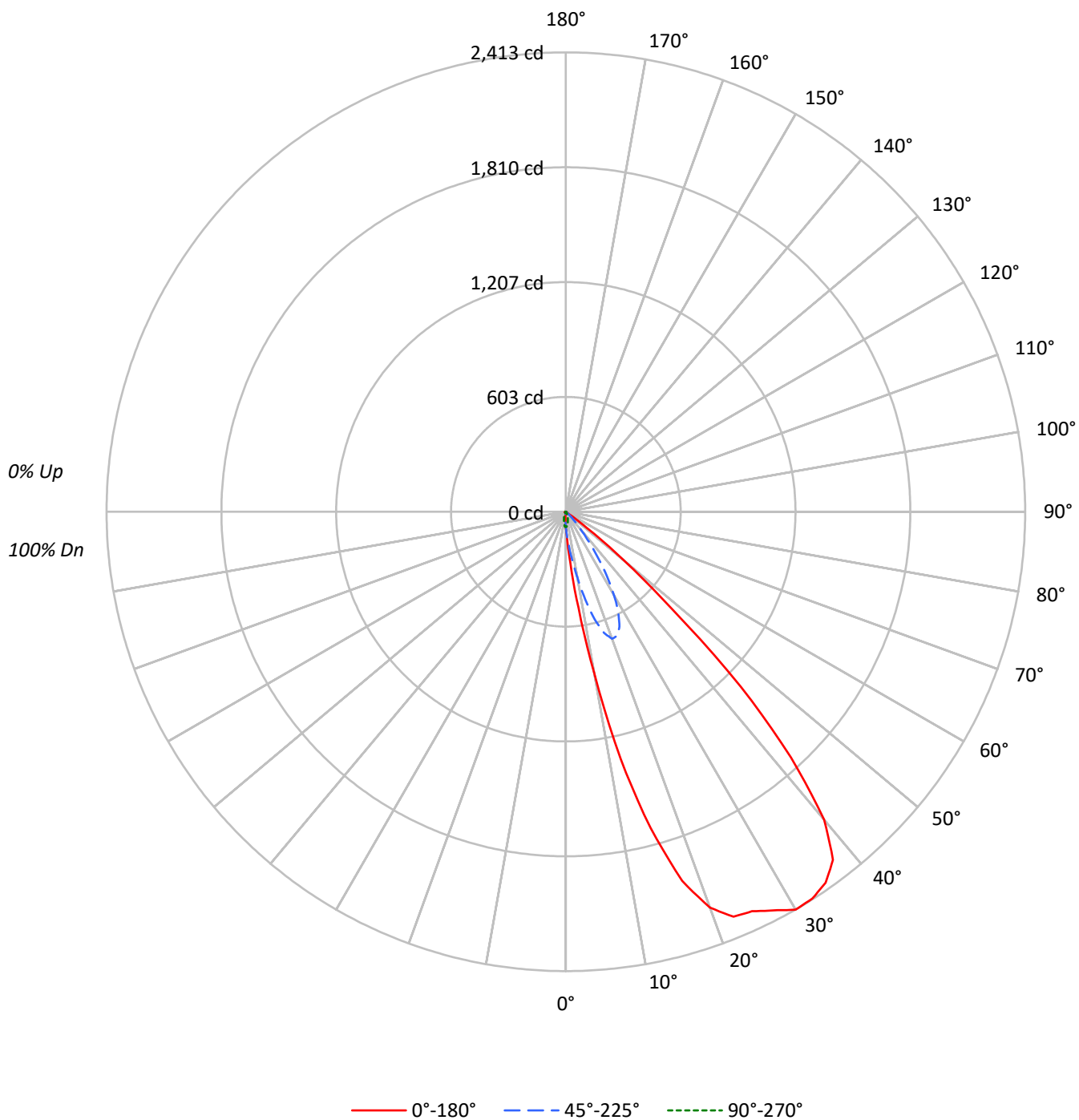
Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13726	13726	13726	13726	13726
5°	46764	30392	12845	5411	4011
10°	150484	61593	10126	2029	1312
15°	306619	104465	7168	731	481
20°	405460	130107	4619	257	257
25°	439931	126501	2584	133	266
30°	479922	100805	1094	139	278
35°	500068	62737	294	147	294
40°	474529	27428	157	315	450
45°	316798	10960	170	487	828
50°	106235	1822	375	723	1099
55°	5945	210	420	1021	1441
60°	482	241	689	1171	1653
65°	571	285	815	1386	1956
70°	352	352	1007	1712	2065
75°	466	466	1331	1797	2262
80°	0	694	1984	1984	1984
85°	0	1383	3952	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 316798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	1.8
10°-20°	109.0	14.4
20°-30°	230.1	30.3
30°-40°	261.1	34.4
40°-50°	128.5	16.9
50°-60°	11.1	1.5
60°-70°	2.3	0.3
70°-80°	2.1	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°	352.9	46.5
0°-40°	614.0	80.9
0°-60°	753.6	99.3
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	80	80	80	80	80	
5°	270	176	74	31	23	45
15°	1720	586	40	4	3	489
25°	2315	666	14	1	1	1077
35°	2378	298	1	1	1	1466
45°	1301	45	1	2	3	961
55°	20	1	1	3	5	78
65°	1	1	2	3	5	1
75°	1	1	2	3	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°	35°	40°	45°	67.5°
0°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2.5°	138.3	141.7	140.4	139.7	139.0	136.3	130.1	129.5	123.3	119.2	98.8
5°	270.5	265.0	266.4	258.9	249.4	235.7	226.9	207.8	192.1	175.8	115.1
7.5°	509.6	502.1	487.8	466.0	443.5	414.2	370.0	334.5	293.7	254.8	128.1
10°	860.5	856.4	838.0	782.2	733.1	654.8	581.2	503.5	427.2	352.2	136.9
12.5°	1329.3	1301.3	1267.9	1193.7	1096.9	998.8	853.7	719.5	597.5	472.2	137.6
15°	1719.7	1702.0	1654.9	1558.2	1441.7	1300.0	1127.6	947.0	763.1	585.9	130.8
17.5°	2033.8	2006.5	1945.9	1851.2	1716.9	1533.0	1331.3	1111.2	887.1	667.0	119.2
20°	2212.3	2198.0	2151.6	2056.9	1910.4	1709.4	1479.8	1223.7	964.8	709.9	104.2
22.5°	2302.2	2292.0	2257.9	2182.3	2045.3	1843.0	1580.0	1282.3	987.2	705.2	88.6
25°	2315.1	2312.4	2283.1	2225.9	2111.4	1911.1	1623.6	1293.2	968.8	665.7	73.6
27.5°	2360.1	2350.6	2315.8	2258.6	2143.5	1922.7	1608.6	1255.7	909.6	596.2	61.3
30°	2413.3	2406.4	2371.7	2312.4	2176.2	1911.8	1555.5	1172.6	814.9	506.9	45.6
32.5°	2409.2	2406.4	2377.1	2314.5	2153.0	1847.8	1460.8	1047.9	686.1	399.9	28.6
35°	2378.5	2369.0	2332.2	2235.4	2020.8	1682.9	1280.9	878.9	543.0	298.4	18.4
37.5°	2304.9	2284.5	2222.5	2058.3	1784.4	1428.7	1043.1	678.6	384.3	199.6	11.6
40°	2110.7	2084.9	1960.2	1761.9	1475.1	1125.6	776.0	466.7	253.5	122.0	4.8
42.5°	1751.0	1698.5	1573.9	1370.1	1101.0	795.8	509.6	302.5	149.2	73.6	1.4
45°	1300.7	1260.5	1129.6	945.0	721.5	510.3	308.6	163.5	82.4	45.0	0.7
47.5°	757.6	733.1	665.7	544.4	398.6	267.8	158.1	87.9	48.4	21.8	0.7
50°	396.5	365.9	314.8	238.5	175.8	123.3	77.0	47.0	23.8	6.8	0.7
52.5°	139.0	136.9	124.7	94.0	76.3	55.2	37.5	20.4	6.8	1.4	0.7
55°	19.8	19.8	18.4	20.4	21.8	19.8	12.9	5.5	1.4	0.7	0.7
57.5°	1.4	1.4	1.4	2.0	2.7	2.7	2.0	0.7	0.7	0.7	1.4
60°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
62.5°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
65°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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):

	90°	112.5°	135°	157.5°	180°
0°	79.7	79.7	79.7	79.7	79.7
2.5°	79.0	63.4	50.4	44.3	42.2
5°	74.3	47.7	31.3	24.5	23.2
7.5°	66.1	34.1	19.1	13.6	12.9
10°	57.9	24.5	11.6	8.2	7.5
12.5°	48.4	17.0	7.5	4.8	4.1
15°	40.2	11.6	4.1	3.4	2.7
17.5°	32.0	7.5	2.7	2.0	2.7
20°	25.2	4.8	1.4	1.4	1.4
22.5°	19.1	2.7	1.4	1.4	1.4
25°	13.6	1.4	0.7	0.7	1.4
27.5°	9.5	0.7	0.7	0.7	1.4
30°	5.5	0.7	0.7	0.7	1.4
32.5°	2.7	0.7	0.7	1.4	1.4
35°	1.4	0.7	0.7	1.4	1.4
37.5°	0.7	0.7	0.7	1.4	2.0
40°	0.7	0.7	1.4	2.0	2.0
42.5°	0.7	0.7	1.4	2.0	2.7
45°	0.7	1.4	2.0	2.7	3.4
47.5°	1.4	1.4	2.7	3.4	4.1
50°	1.4	2.0	2.7	4.1	4.1
52.5°	1.4	2.0	3.4	4.1	4.8
55°	1.4	2.7	3.4	4.8	4.8
57.5°	2.0	2.7	3.4	4.8	4.8
60°	2.0	2.7	3.4	4.8	4.8
62.5°	2.0	2.7	3.4	4.8	4.8
65°	2.0	2.7	3.4	4.8	4.8
67.5°	2.0	2.7	3.4	4.1	4.8
70°	2.0	2.7	3.4	4.1	4.1
72.5°	2.7	2.7	3.4	4.1	4.1
75°	2.0	2.7	2.7	3.4	3.4
77.5°	2.0	2.0	2.0	2.7	2.7
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	1.4	1.4	2.0	2.0
85°	2.0	1.4	0.7	1.4	1.4
87.5°	1.4	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)