

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: P1307851

Luminaire Tested: P3SQAS09R359030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

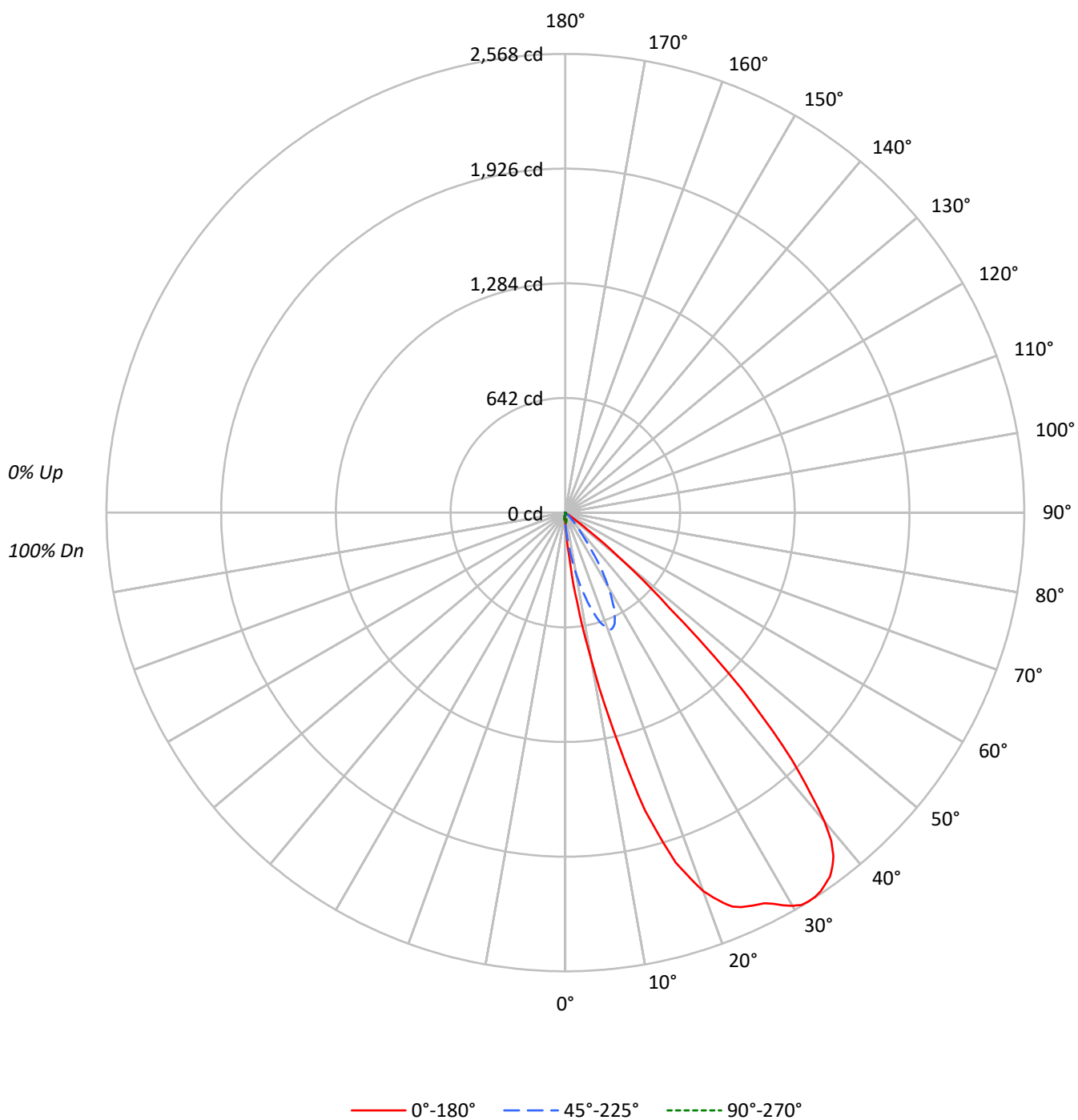
Lumens per Lamp: N/A
Luminaire Lumens: 767.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	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	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9954	9954	9954	9954	9954
5°	43255	26814	9232	3285	2282
10°	145622	60526	6908	769	262
15°	308152	99276	4297	0	0
20°	413176	126863	2016	0	0
25°	461765	124581	418	0	0
30°	505516	95455	0	0	0
35°	533518	51994	0	0	0
40°	507173	23359	0	0	0
45°	340399	10327	0	0	0
50°	113710	991	0	0	0
55°	6155	0	0	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	0	0
85°	0	1383	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 340399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	1.6
10°-20°	106.4	13.9
20°-30°	233.5	30.4
30°-40°	270.1	35.2
40°-50°	133.3	17.4
50°-60°	9.9	1.3
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.5	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°	352.3	45.9
0°-40°	622.4	81.1
0°-60°	765.6	99.8
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	58	58	58	58	58	
5°	250	155	53	19	13	43
15°	1728	557	24	0	0	488
25°	2430	656	2	0	0	1123
35°	2538	247	0	0	0	1567
45°	1398	42	0	0	0	1026
55°	20	0	0	0	0	84
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2.5°	114.9	117.8	116.3	116.3	115.6	112.0	105.4	103.2	95.1	75.4	58.5
5°	250.2	251.0	248.8	237.8	228.3	219.5	200.5	191.7	155.1	92.2	53.4
7.5°	507.8	496.8	482.9	467.6	433.9	403.2	362.9	320.5	240.0	106.8	47.6
10°	832.7	817.3	805.6	769.0	708.3	645.4	568.5	499.0	346.1	117.1	39.5
12.5°	1252.0	1243.2	1201.5	1128.3	1038.3	947.6	813.7	703.2	452.9	119.3	32.2
15°	1728.3	1713.7	1650.0	1546.1	1423.9	1281.2	1102.0	916.1	556.8	112.7	24.1
17.5°	2053.9	2045.9	1991.0	1882.0	1741.5	1560.0	1347.8	1115.9	642.4	98.8	16.8
20°	2254.4	2242.7	2191.5	2099.3	1952.2	1762.7	1511.0	1243.2	692.2	81.2	11.0
21°	2306.4	2294.7	2253.7	2157.8	2017.3	1813.9	1555.6	1273.9	701.7	73.2	8.8
22°	2355.4	2343.7	2300.5	2215.6	2076.6	1864.4	1590.8	1297.3	700.3	66.6	6.6
23°	2396.4	2383.9	2341.5	2263.2	2123.4	1909.1	1617.1	1309.0	690.7	60.0	5.1
24°	2417.6	2410.3	2372.2	2298.3	2161.5	1940.5	1635.4	1313.4	679.0	53.4	3.7
25°	2430.0	2421.3	2383.9	2315.9	2186.4	1965.4	1647.1	1309.8	655.6	47.6	2.2
26°	2443.2	2430.0	2387.6	2321.7	2199.5	1977.1	1647.8	1300.3	630.7	42.4	0.7
27°	2454.9	2442.5	2398.6	2326.1	2201.7	1973.4	1642.0	1282.0	600.7	37.3	0.7
28°	2480.5	2466.6	2416.1	2335.6	2203.9	1963.9	1623.7	1257.1	561.2	32.9	0.0
29°	2514.2	2499.5	2441.7	2358.3	2209.1	1953.7	1598.8	1224.2	526.8	29.3	0.0
30°	2542.0	2528.8	2475.4	2386.9	2222.2	1944.2	1569.5	1179.5	480.0	24.9	0.0
31°	2562.5	2549.3	2500.3	2411.0	2233.9	1935.4	1532.9	1133.4	437.6	22.0	0.0
32°	2567.6	2556.6	2510.5	2421.3	2233.9	1922.2	1499.3	1081.5	395.9	18.3	0.0
33°	2565.4	2554.4	2507.6	2413.9	2214.2	1890.8	1458.3	1019.3	348.3	16.1	0.0
34°	2557.4	2544.2	2494.4	2390.5	2175.4	1837.3	1399.0	957.1	298.5	13.2	0.0
35°	2537.6	2525.9	2471.7	2346.6	2115.4	1756.1	1320.0	885.4	247.3	11.0	0.0
36°	2518.6	2501.0	2434.4	2292.5	2036.4	1672.7	1225.6	802.7	203.4	8.8	0.0
37°	2483.4	2458.6	2391.3	2214.2	1924.4	1554.9	1118.1	712.0	170.5	6.6	0.0
38°	2436.6	2403.0	2317.3	2123.4	1811.7	1444.4	1017.1	630.0	143.4	4.4	0.0
39°	2364.2	2324.7	2208.3	1999.1	1681.5	1316.4	901.5	542.9	122.2	2.9	0.0
40°	2255.9	2218.6	2089.8	1851.2	1552.0	1175.1	782.9	444.9	103.9	1.5	0.0
42.5°	1878.3	1827.1	1677.8	1440.8	1147.3	845.1	518.1	247.3	68.8	0.0	0.0
45°	1397.6	1352.2	1205.9	990.0	764.6	517.3	277.3	145.6	42.4	0.0	0.0
47.5°	789.5	784.4	689.3	568.5	426.6	275.1	140.5	87.8	18.3	0.0	0.0
50°	424.4	398.1	343.2	260.5	177.8	120.0	76.1	48.3	3.7	0.0	0.0
52.5°	155.1	150.0	125.9	104.6	80.5	54.9	38.8	21.2	0.0	0.0	0.0
55°	20.5	19.0	19.8	21.2	22.0	19.0	12.4	4.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.5	1.5	1.5	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
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):

	112.5°	135°	157.5°	180°
0°	57.8	57.8	57.8	57.8
2.5°	44.6	34.4	29.3	28.5
5°	30.7	19.0	13.9	13.2
7.5°	21.2	9.5	6.6	5.9
10°	12.4	4.4	2.2	1.5
12.5°	7.3	0.7	0.0	0.0
15°	2.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)