

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: P1312266

Luminaire Tested: P3SQAS09R309727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

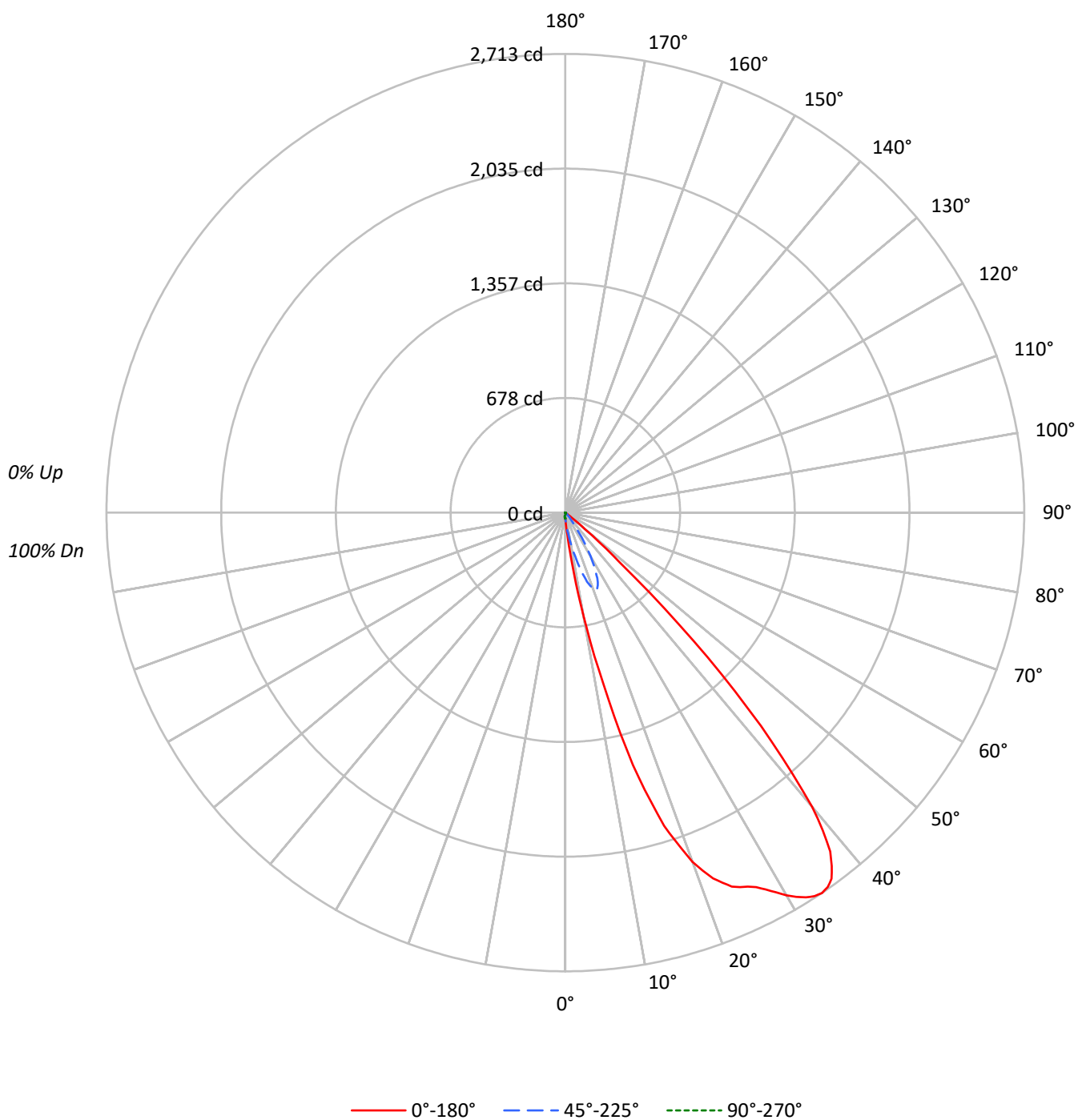
Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	70	68			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6011	6011	6011	6011	6011
5°	21818	13554	5515	2230	1591
10°	108023	32475	4285	437	0
15°	275560	61834	2728	0	0
20°	402638	87936	1118	0	0
25°	464520	86291	228	0	0
30°	519874	59222	0	0	0
35°	568566	25503	0	0	0
40°	510298	9915	0	0	0
45°	260609	4019	0	0	0
50°	40216	482	0	0	0
55°	2402	0	180	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	1198	0	0
80°	0	595	1785	0	0
85°	0	1186	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 260609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	1.1
10°-20°	87.0	13.3
20°-30°	215.0	32.9
30°-40°	247.3	37.9
40°-50°	91.7	14.0
50°-60°	3.3	0.5
60°-70°	0.3	0.0
70°-80°	0.5	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°	309.3	47.4
0°-40°	556.6	85.2
0°-60°	651.6	99.8
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	126	78	32	13	9	27
15°	1546	347	15	0	0	444
25°	2444	454	1	0	0	1129
35°	2704	121	0	0	0	1640
45°	1070	16	0	0	0	833
55°	8	0	1	0	0	27
65°	0	0	1	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°	45°	67.5°	90°	112.5°
0°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2.5°	61.9	62.5	62.5	60.7	60.1	59.4	57.6	52.1	43.5	34.9	28.2
5°	126.2	126.9	126.9	123.2	115.8	108.5	102.3	78.4	50.3	31.9	20.8
7.5°	297.8	298.4	285.6	270.9	241.4	226.1	197.9	120.7	57.0	28.8	13.5
10°	617.7	604.2	570.5	527.6	482.3	423.4	364.0	185.7	61.9	24.5	8.6
12.5°	1032.6	1019.7	976.2	914.9	826.1	710.9	598.1	261.1	62.5	19.6	4.9
15°	1545.5	1509.3	1457.3	1355.5	1224.4	1046.1	859.8	346.8	60.1	15.3	1.2
17.5°	1943.2	1910.1	1843.9	1725.0	1562.0	1364.1	1135.5	428.4	53.3	9.8	0.0
20°	2196.9	2162.0	2100.1	1995.3	1821.9	1589.6	1327.9	479.8	44.1	6.1	0.0
21°	2269.2	2235.5	2174.8	2070.7	1897.9	1666.2	1375.1	490.9	39.8	4.9	0.0
22°	2332.9	2306.6	2250.2	2136.9	1961.0	1722.6	1422.9	492.1	36.8	3.7	0.0
23°	2377.7	2358.7	2302.3	2198.1	2022.9	1768.6	1448.7	484.7	33.1	2.5	0.0
24°	2420.6	2397.3	2348.9	2252.1	2071.9	1807.2	1472.0	471.2	29.4	1.8	0.0
25°	2444.5	2417.5	2380.1	2289.4	2112.3	1831.7	1486.1	454.1	25.7	1.2	0.0
26°	2461.0	2440.2	2399.1	2311.5	2129.5	1847.6	1487.9	429.0	23.3	0.6	0.0
27°	2486.1	2465.3	2425.5	2331.1	2136.9	1845.2	1476.9	400.2	20.2	0.0	0.0
28°	2524.1	2496.6	2456.7	2351.9	2139.9	1834.7	1452.3	368.9	17.2	0.0	0.0
29°	2567.7	2539.5	2496.0	2379.5	2140.5	1813.9	1413.7	334.6	15.3	0.0	0.0
30°	2614.2	2589.7	2545.6	2406.5	2147.3	1786.9	1369.0	297.8	12.3	0.0	0.0
31°	2651.0	2628.9	2581.7	2431.0	2152.8	1763.7	1313.9	261.1	10.4	0.0	0.0
32°	2682.9	2663.3	2605.0	2436.5	2141.8	1730.6	1255.0	225.5	8.6	0.0	0.0
33°	2704.9	2680.4	2612.4	2422.4	2109.9	1676.0	1189.5	191.8	6.7	0.0	0.0
34°	2712.9	2683.5	2601.4	2385.6	2045.5	1593.3	1104.3	156.9	5.5	0.0	0.0
35°	2704.3	2668.2	2561.5	2322.5	1958.5	1494.6	1001.9	121.3	4.3	0.0	0.0
36°	2676.7	2630.8	2504.5	2232.4	1834.1	1378.2	899.6	94.4	3.1	0.0	0.0
37°	2617.3	2566.4	2407.1	2113.6	1711.0	1244.6	783.2	73.5	1.8	0.0	0.0
38°	2544.4	2470.8	2277.2	1963.4	1551.6	1094.5	668.0	60.7	1.2	0.0	0.0
39°	2420.0	2339.1	2122.8	1790.6	1395.4	951.7	555.8	52.7	0.6	0.0	0.0
40°	2269.8	2173.6	1946.3	1605.5	1210.9	802.2	463.9	44.1	0.6	0.0	0.0
42.5°	1712.2	1630.7	1386.2	1092.0	740.3	473.1	257.4	28.8	0.0	0.0	0.0
45°	1070.0	984.8	819.3	598.7	400.8	245.1	123.8	16.5	0.0	0.0	0.0
47.5°	436.9	400.8	329.7	253.7	181.4	115.2	51.5	7.4	0.0	0.0	0.0
50°	150.1	133.6	112.1	82.1	58.2	39.8	27.0	1.8	0.0	0.0	0.0
52.5°	43.5	44.1	38.6	33.1	25.7	18.4	13.5	0.0	0.0	0.0	0.0
55°	8.0	6.7	8.0	7.4	8.0	6.7	4.9	0.0	0.0	0.6	0.0
57.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6



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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	0.0	0.6	1.2	1.8	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
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):

	135°	157.5°	180°
0°	34.9	34.9	34.9
2.5°	22.7	20.2	19.0
5°	12.9	9.8	9.2
7.5°	6.7	4.3	3.7
10°	2.5	0.6	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)