

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: P1317843

Luminaire Tested: P3SQAS09R309835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317843
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: P3SQAS09R309835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

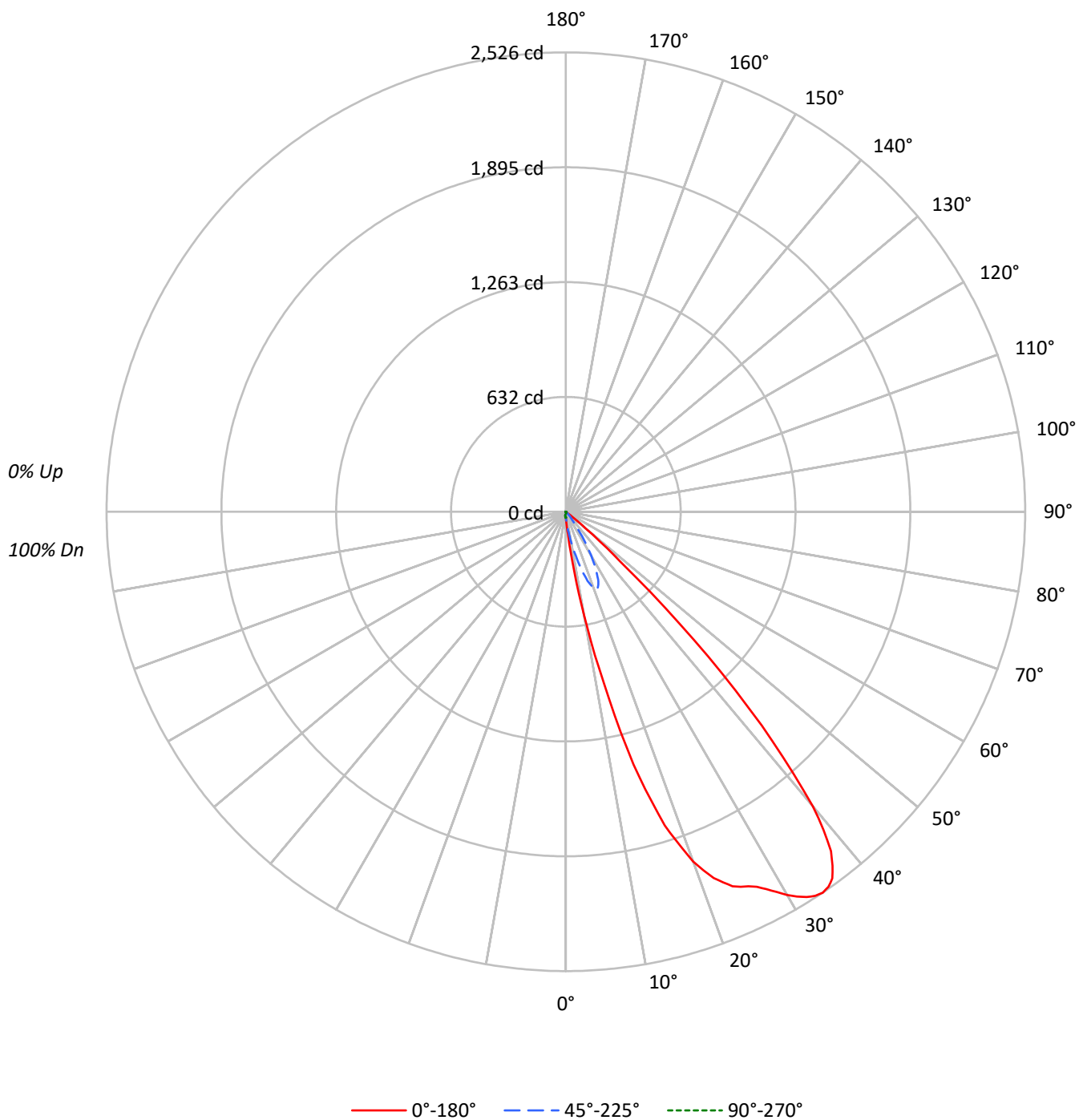
Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	50	30	10
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	69	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°	5597	5597	5597	5597	5597
5°	20313	12620	5135	2075	1487
10°	100573	30237	3987	402	0
15°	256571	57572	2550	0	0
20°	374890	81887	1045	0	0
25°	432501	80343	209	0	0
30°	484059	55145	0	0	0
35°	529376	23758	0	0	0
40°	475136	9240	0	0	0
45°	242634	3751	0	0	0
50°	37457	455	0	0	0
55°	2222	0	180	0	0
60°	0	0	207	0	0
65°	0	0	448	0	0
70°	0	302	554	0	0
75°	0	399	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 242634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	1.1
10°-20°	81.0	13.3
20°-30°	200.2	32.9
30°-40°	230.2	37.9
40°-50°	85.4	14.0
50°-60°	3.1	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°	288.0	47.4
0°-40°	518.2	85.2
0°-60°	606.7	99.8
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	118	73	30	12	9	26
15°	1439	323	14	0	0	414
25°	2276	423	1	0	0	1052
35°	2518	113	0	0	0	1527
45°	996	15	0	0	0	776
55°	7	0	1	0	0	25
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°	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
2.5°	57.6	58.2	58.2	56.5	55.9	55.3	53.6	48.5	40.5	32.5	26.2
5°	117.5	118.1	118.1	114.7	107.8	101.0	95.3	73.0	46.8	29.7	19.4
7.5°	277.3	277.9	265.9	252.2	224.8	210.5	184.3	112.4	53.1	26.8	12.6
10°	575.1	562.6	531.2	491.3	449.0	394.3	338.9	172.9	57.6	22.8	8.0
12.5°	961.4	949.4	908.9	851.9	769.1	661.9	556.9	243.1	58.2	18.3	4.6
15°	1439.0	1405.3	1356.8	1262.1	1140.0	974.0	800.5	322.9	55.9	14.3	1.1
17.5°	1809.3	1778.5	1716.9	1606.2	1454.4	1270.1	1057.3	398.8	49.6	9.1	0.0
20°	2045.5	2013.0	1955.4	1857.8	1696.3	1480.1	1236.4	446.8	41.1	5.7	0.0
21°	2112.8	2081.5	2025.0	1928.0	1767.1	1551.4	1280.4	457.0	37.1	4.6	0.0
22°	2172.2	2147.6	2095.2	1989.6	1825.8	1603.9	1324.9	458.2	34.2	3.4	0.0
23°	2213.8	2196.1	2143.6	2046.7	1883.5	1646.7	1348.8	451.3	30.8	2.3	0.0
24°	2253.8	2232.1	2187.0	2096.9	1929.1	1682.6	1370.5	438.8	27.4	1.7	0.0
25°	2276.0	2250.9	2216.1	2131.7	1966.8	1705.4	1383.6	422.8	24.0	1.1	0.0
26°	2291.4	2272.0	2233.8	2152.2	1982.7	1720.3	1385.4	399.4	21.7	0.6	0.0
27°	2314.8	2295.4	2258.3	2170.5	1989.6	1718.0	1375.1	372.6	18.8	0.0	0.0
28°	2350.2	2324.5	2287.4	2189.9	1992.4	1708.3	1352.3	343.5	16.0	0.0	0.0
29°	2390.7	2364.5	2324.0	2215.5	1993.0	1688.9	1316.3	311.5	14.3	0.0	0.0
30°	2434.1	2411.2	2370.2	2240.6	1999.3	1663.8	1274.7	277.3	11.4	0.0	0.0
31°	2468.3	2447.8	2403.8	2263.5	2004.4	1642.1	1223.3	243.1	9.7	0.0	0.0
32°	2498.0	2479.7	2425.5	2268.6	1994.2	1611.3	1168.5	210.0	8.0	0.0	0.0
33°	2518.5	2495.7	2432.4	2255.5	1964.5	1560.5	1107.5	178.6	6.3	0.0	0.0
34°	2525.9	2498.5	2422.1	2221.2	1904.6	1483.5	1028.2	146.1	5.1	0.0	0.0
35°	2517.9	2484.3	2385.0	2162.5	1823.6	1391.6	932.9	113.0	4.0	0.0	0.0
36°	2492.3	2449.5	2331.9	2078.6	1707.7	1283.2	837.6	87.9	2.9	0.0	0.0
37°	2436.9	2389.6	2241.2	1967.9	1593.0	1158.8	729.2	68.5	1.7	0.0	0.0
38°	2369.0	2300.6	2120.3	1828.1	1444.7	1019.0	621.9	56.5	1.1	0.0	0.0
39°	2253.2	2177.9	1976.5	1667.2	1299.2	886.1	517.5	49.1	0.6	0.0	0.0
40°	2113.4	2023.8	1812.1	1494.9	1127.5	746.9	431.9	41.1	0.6	0.0	0.0
42.5°	1594.2	1518.3	1290.6	1016.8	689.3	440.5	239.6	26.8	0.0	0.0	0.0
45°	996.2	916.9	762.9	557.5	373.2	228.2	115.3	15.4	0.0	0.0	0.0
47.5°	406.8	373.2	307.0	236.2	168.9	107.3	47.9	6.8	0.0	0.0	0.0
50°	139.8	124.4	104.4	76.5	54.2	37.1	25.1	1.7	0.0	0.0	0.0
52.5°	40.5	41.1	35.9	30.8	24.0	17.1	12.6	0.0	0.0	0.0	0.0
55°	7.4	6.3	7.4	6.8	7.4	6.3	4.6	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	1.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	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	1.1	1.7	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	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°	32.5	32.5	32.5
2.5°	21.1	18.8	17.7
5°	12.0	9.1	8.6
7.5°	6.3	4.0	3.4
10°	2.3	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)