

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: P1308970

Luminaire Tested: P3SQAS09R359035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308970
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: P3SQAS09R359035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

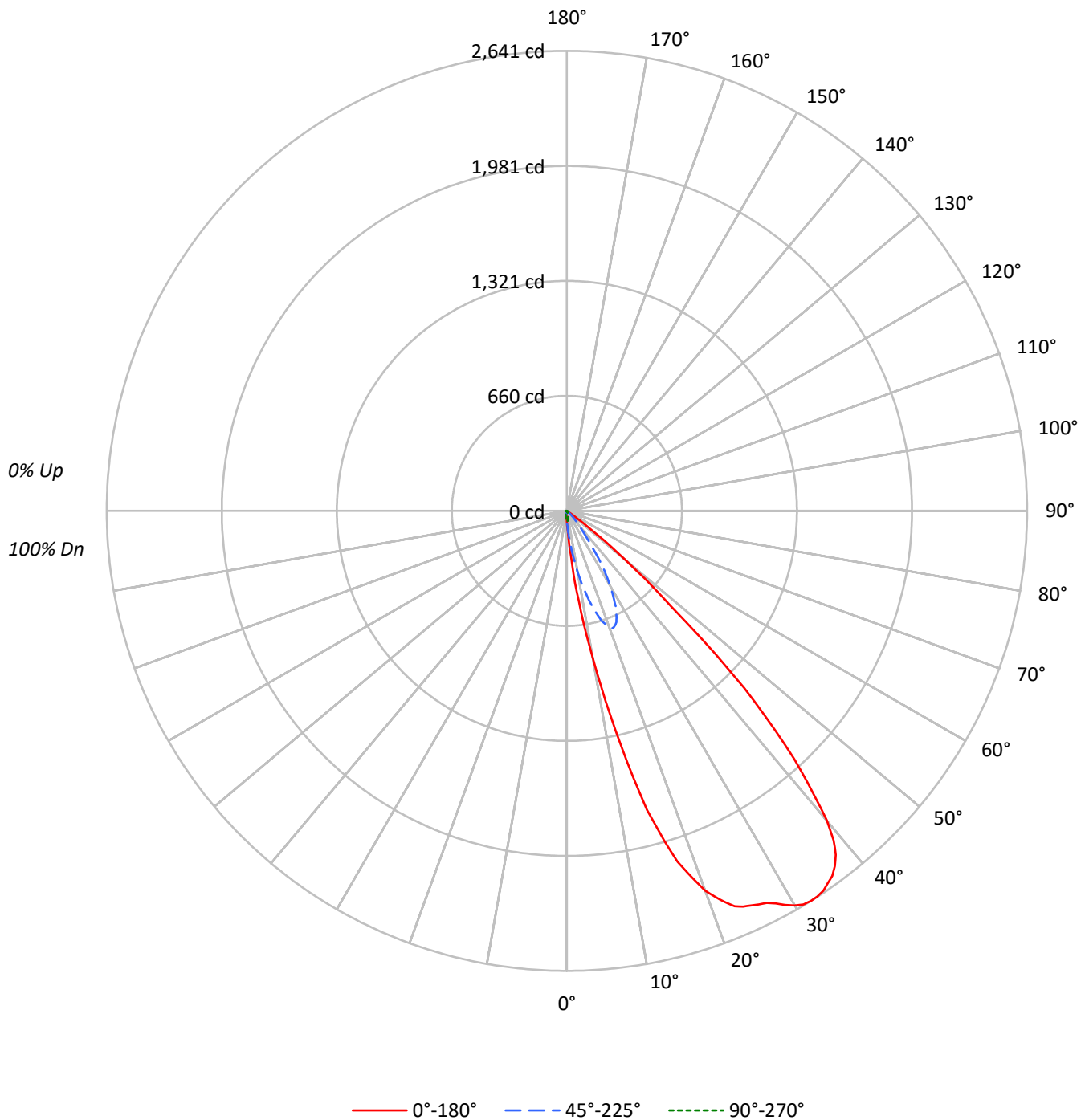
Lumens per Lamp: N/A
Luminaire Lumens: 789.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	106	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°	10247	10247	10247	10247	10247
5°	44499	27592	9491	3388	2334
10°	149802	62257	7100	787	262
15°	316996	102129	4422	0	0
20°	425034	130510	2071	0	0
25°	475010	128154	437	0	0
30°	520014	98200	0	0	0
35°	548824	53486	0	0	0
40°	521719	24033	0	0	0
45°	350166	10644	0	0	0
50°	116979	1018	0	0	0
55°	6336	0	0	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	998	0	0
80°	0	793	1488	0	0
85°	0	1581	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 350166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	1.6
10°-20°	109.5	13.9
20°-30°	240.2	30.4
30°-40°	277.8	35.2
40°-50°	137.1	17.4
50°-60°	10.2	1.3
60°-70°	0.4	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°	362.4	45.9
0°-40°	640.3	81.1
0°-60°	787.6	99.8
0°-90°	789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	257	160	55	20	14	44
15°	1778	573	25	0	0	502
25°	2500	674	2	0	0	1156
35°	2610	254	0	0	0	1612
45°	1438	44	0	0	0	1055
55°	21	0	0	0	0	86
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°	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2.5°	118.2	121.2	119.7	119.7	118.9	115.2	108.4	106.1	97.9	77.5	60.2
5°	257.4	258.2	255.9	244.6	234.8	225.8	206.2	197.2	159.6	94.8	54.9
7.5°	522.4	511.1	496.8	481.0	446.4	414.7	373.3	329.7	246.9	109.9	48.9
10°	856.6	840.8	828.7	791.1	728.6	663.9	584.9	513.3	356.0	120.4	40.6
12.5°	1287.9	1278.8	1235.9	1160.7	1068.1	974.8	837.0	723.3	465.9	122.7	33.1
15°	1777.9	1762.8	1697.4	1590.5	1464.8	1318.0	1133.6	942.4	572.8	115.9	24.8
17.5°	2112.8	2104.6	2048.1	1936.0	1791.4	1604.8	1386.5	1147.9	660.9	101.6	17.3
20°	2319.1	2307.0	2254.4	2159.5	2008.2	1813.3	1554.3	1278.8	712.1	83.6	11.3
21°	2372.5	2360.5	2318.3	2219.7	2075.2	1866.0	1600.3	1310.5	721.8	75.3	9.0
22°	2423.0	2410.9	2366.5	2279.2	2136.2	1917.9	1636.4	1334.5	720.3	68.5	6.8
23°	2465.1	2452.3	2408.7	2328.1	2184.4	1963.8	1663.5	1346.6	710.6	61.7	5.3
24°	2486.9	2479.4	2440.3	2364.2	2223.5	1996.2	1682.3	1351.1	698.5	54.9	3.8
25°	2499.7	2490.7	2452.3	2382.3	2249.1	2021.8	1694.3	1347.3	674.4	48.9	2.3
26°	2513.3	2499.7	2456.1	2388.3	2262.6	2033.8	1695.1	1337.6	648.8	43.7	0.8
27°	2525.3	2512.5	2467.4	2392.9	2264.9	2030.0	1689.1	1318.7	618.0	38.4	0.8
28°	2551.7	2537.4	2485.4	2402.6	2267.1	2020.3	1670.3	1293.1	577.3	33.9	0.0
29°	2586.3	2571.2	2511.8	2426.0	2272.4	2009.7	1644.7	1259.3	541.9	30.1	0.0
30°	2614.9	2601.3	2546.4	2455.3	2286.0	1999.9	1614.6	1213.4	493.8	25.6	0.0
31°	2636.0	2622.4	2572.0	2480.2	2298.0	1990.9	1576.9	1165.9	450.1	22.6	0.0
32°	2641.2	2630.0	2582.5	2490.7	2298.0	1977.4	1542.3	1112.5	407.2	18.8	0.0
33°	2639.0	2627.7	2579.5	2483.2	2277.7	1945.0	1500.1	1048.5	358.3	16.6	0.0
34°	2630.7	2617.2	2566.0	2459.1	2237.8	1890.0	1439.2	984.5	307.1	13.5	0.0
35°	2610.4	2598.3	2542.6	2413.9	2176.1	1806.5	1357.9	910.8	254.4	11.3	0.0
36°	2590.8	2572.7	2504.3	2358.2	2094.8	1720.7	1260.8	825.7	209.3	9.0	0.0
37°	2554.7	2529.1	2459.8	2277.7	1979.6	1599.5	1150.1	732.4	175.4	6.8	0.0
38°	2506.5	2471.9	2383.8	2184.4	1863.7	1485.8	1046.3	648.1	147.5	4.5	0.0
39°	2432.0	2391.3	2271.7	2056.4	1729.7	1354.1	927.3	558.5	125.7	3.0	0.0
40°	2320.6	2282.2	2149.7	1904.3	1596.5	1208.8	805.4	457.6	106.9	1.5	0.0
42.5°	1932.2	1879.5	1726.0	1482.1	1180.2	869.4	532.9	254.4	70.8	0.0	0.0
45°	1437.7	1391.0	1240.5	1018.4	786.6	532.2	285.3	149.8	43.7	0.0	0.0
47.5°	812.2	806.9	709.0	584.9	438.8	283.0	144.5	90.3	18.8	0.0	0.0
50°	436.6	409.5	353.0	268.0	182.9	123.4	78.3	49.7	3.8	0.0	0.0
52.5°	159.6	154.3	129.5	107.6	82.8	56.5	39.9	21.8	0.0	0.0	0.0
55°	21.1	19.6	20.3	21.8	22.6	19.6	12.8	4.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.5	1.5	1.5	0.0	0.0	0.0	0.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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	0.8	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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	0.8	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	59.5	59.5	59.5	59.5
2.5°	45.9	35.4	30.1	29.4
5°	31.6	19.6	14.3	13.5
7.5°	21.8	9.8	6.8	6.0
10°	12.8	4.5	2.3	1.5
12.5°	7.5	0.8	0.0	0.0
15°	2.3	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°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)