

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: P1306543

Luminaire Tested: P3SQAS05R259027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

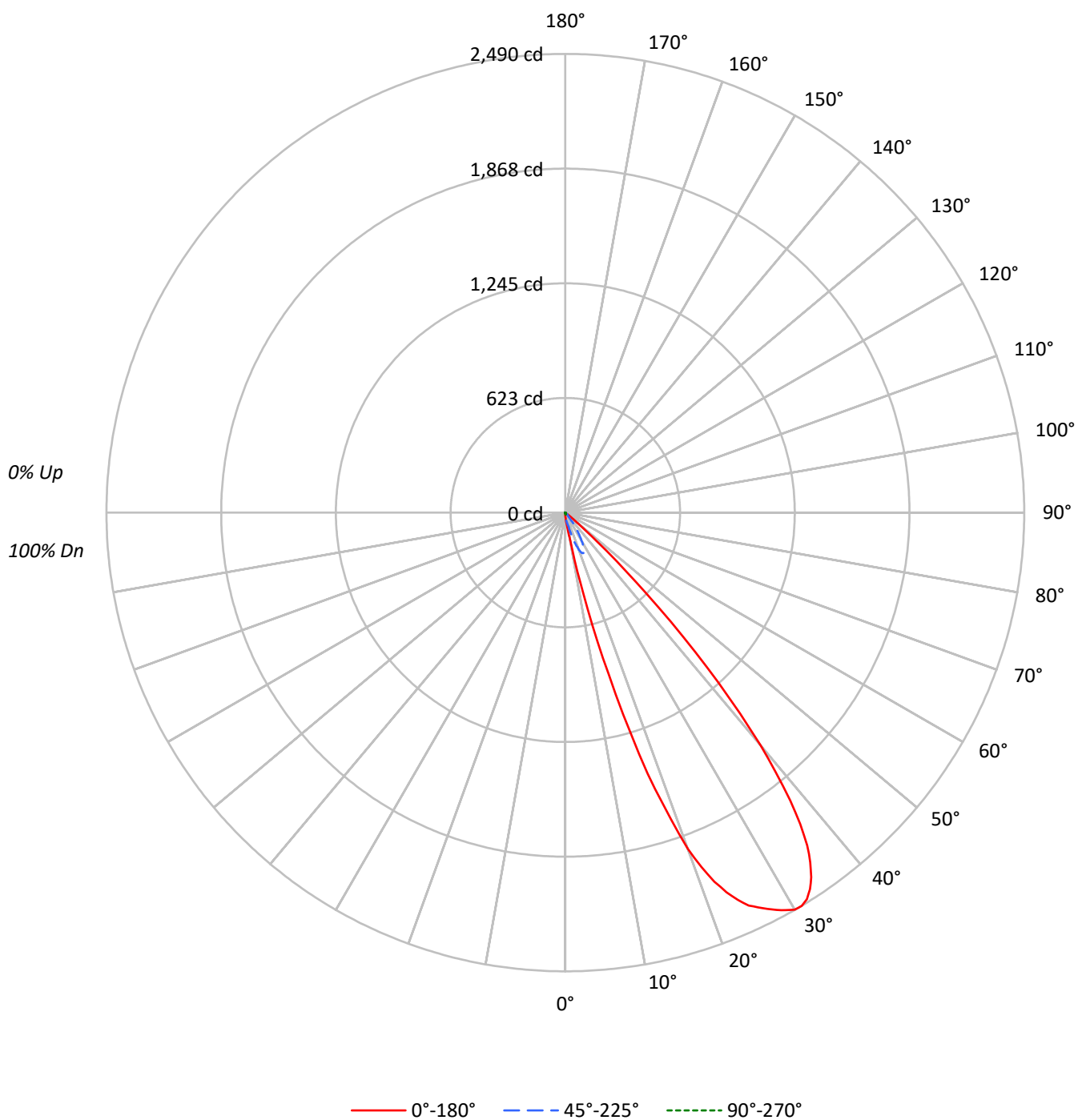
Lumens per Lamp: N/A
Luminaire Lumens: 488.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2652	2652	2652	2652	2652
5°	8316	5826	2420	1297	968
10°	26232	10545	1801	157	0
15°	162251	20076	1088	0	0
20°	355756	39148	348	0	0
25°	447209	45036	0	0	0
30°	495056	34861	0	0	0
35°	487327	19742	0	0	0
40°	370415	5148	0	0	0
45°	150033	2265	0	0	0
50°	16665	241	0	0	0
55°	1261	0	150	0	0
60°	0	0	172	0	0
65°	0	0	367	0	0
70°	0	252	453	0	0
75°	0	333	932	0	0
80°	0	496	1389	0	0
85°	0	988	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 150033 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.5
10°-20°	50.4	10.3
20°-30°	176.2	36.1
30°-40°	196.6	40.3
40°-50°	59.4	12.2
50°-60°	2.0	0.4
60°-70°	0.3	0.1
70°-80°	0.4	0.1
80°-90°	0.4	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°	229.0	46.9
0°-40°	425.6	87.2
0°-60°	486.9	99.8
0°-90°	488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	488.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	48	34	14	8	6	7
15°	910	113	6	0	0	303
25°	2353	237	0	0	0	1074
35°	2318	94	0	0	0	1392
45°	616	9	0	0	0	532
55°	4	0	0	0	0	13
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
2.5°	26.6	27.6	27.1	27.6	27.1	27.1	27.1	27.6	27.1	27.1	27.1
5°	48.1	48.6	48.6	48.1	48.1	49.1	48.1	48.6	47.2	48.1	47.7
7.5°	79.0	78.1	78.1	78.5	78.5	77.6	77.1	76.2	77.1	77.1	75.7
10°	150.0	149.1	146.8	145.8	146.8	146.8	142.1	143.0	143.5	139.3	137.9
12.5°	440.8	437.5	444.0	433.8	427.7	417.9	423.5	404.3	400.1	397.3	390.8
15°	910.0	934.8	924.1	925.0	926.9	903.5	911.4	882.5	858.2	850.7	845.5
17.5°	1484.0	1491.5	1481.7	1477.0	1475.1	1463.9	1450.4	1435.9	1417.2	1400.8	1387.3
20°	1941.1	1935.5	1918.7	1920.6	1900.5	1890.2	1878.5	1864.0	1849.5	1825.7	1802.8
21°	2061.7	2045.4	2045.8	2034.6	2034.2	2021.1	2000.5	1985.5	1972.5	1945.3	1930.9
22°	2160.8	2157.1	2148.7	2140.3	2131.4	2124.8	2101.9	2094.5	2067.8	2045.4	2024.8
23°	2237.9	2239.3	2231.9	2226.3	2214.1	2211.3	2181.9	2171.6	2153.3	2119.2	2098.2
24°	2302.0	2299.6	2291.2	2281.4	2274.4	2267.9	2245.4	2228.6	2208.5	2180.5	2159.9
25°	2353.4	2347.8	2342.2	2334.7	2323.5	2316.0	2293.1	2274.4	2257.1	2225.8	2197.7
26°	2383.8	2385.2	2376.3	2370.7	2360.9	2353.4	2329.6	2307.6	2286.1	2252.4	2227.2
27°	2414.6	2413.2	2405.3	2396.9	2386.6	2383.8	2356.2	2333.3	2311.3	2275.8	2245.9
28°	2443.1	2439.4	2432.9	2423.0	2411.8	2403.4	2376.8	2352.9	2329.1	2291.2	2258.5
29°	2467.0	2463.2	2459.0	2446.4	2431.9	2426.3	2397.8	2368.8	2345.0	2306.2	2271.6
30°	2489.4	2482.4	2472.6	2461.8	2447.8	2437.1	2407.1	2381.9	2353.9	2310.9	2277.7
31°	2490.3	2481.0	2474.0	2462.8	2446.9	2433.8	2402.5	2376.8	2344.0	2303.9	2267.9
32°	2474.0	2469.3	2458.1	2445.9	2430.5	2417.4	2382.8	2355.7	2324.9	2281.9	2245.9
33°	2437.1	2432.4	2425.8	2413.2	2393.1	2381.0	2350.1	2320.2	2289.8	2251.0	2209.9
34°	2386.1	2380.5	2372.1	2359.5	2338.9	2326.3	2301.5	2270.7	2238.4	2198.2	2159.9
35°	2317.9	2307.1	2304.8	2286.1	2266.9	2263.7	2234.2	2202.0	2169.2	2124.8	2091.6
36°	2233.3	2220.7	2212.2	2205.7	2193.1	2177.7	2148.7	2123.0	2080.9	2052.4	2005.6
37°	2117.8	2102.4	2110.3	2092.6	2073.0	2066.4	2029.5	2006.1	1970.6	1931.8	1892.1
38°	1983.2	1981.8	1979.9	1972.0	1938.3	1921.0	1905.6	1880.8	1850.0	1803.3	1749.5
39°	1813.1	1815.9	1806.1	1807.0	1790.2	1772.9	1751.4	1723.3	1685.9	1643.4	1599.9
40°	1647.6	1607.9	1614.9	1591.1	1592.5	1566.7	1538.7	1513.9	1490.1	1452.7	1393.3
42.5°	1140.0	1133.9	1112.9	1097.9	1104.5	1071.3	1034.4	999.8	966.6	924.5	872.6
45°	616.0	602.0	606.2	581.9	581.9	567.0	556.7	527.7	496.9	477.7	447.8
47.5°	229.0	231.8	237.0	227.2	215.9	222.5	212.7	212.7	207.5	201.5	193.0
50°	62.2	63.1	62.2	62.2	60.8	59.8	58.0	57.5	57.0	55.6	53.3
52.5°	25.2	23.8	23.8	24.3	24.3	23.4	23.8	23.8	23.4	22.9	22.9
55°	4.2	4.7	4.7	4.7	4.7	4.2	4.2	4.7	5.1	4.7	4.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
2.5°	26.2	22.9	19.2	15.9	12.6	10.8	9.8	10.3
5°	44.4	33.7	22.0	14.0	9.8	7.5	6.1	5.6
7.5°	68.2	46.3	24.8	12.2	7.5	3.7	2.3	1.9
10°	104.7	60.3	26.6	10.3	4.7	0.9	0.0	0.0
12.5°	268.8	73.9	27.1	8.4	1.9	0.0	0.0	0.0
15°	552.5	112.6	26.2	6.1	0.5	0.0	0.0	0.0
17.5°	918.5	172.5	22.9	4.2	0.0	0.0	0.0	0.0
20°	1274.2	213.6	18.2	1.9	0.0	0.0	0.0	0.0
21°	1381.2	225.8	16.4	1.4	0.0	0.0	0.0	0.0
22°	1468.6	234.6	14.5	0.9	0.0	0.0	0.0	0.0
23°	1541.5	239.3	12.6	0.5	0.0	0.0	0.0	0.0
24°	1592.5	240.2	11.7	0.5	0.0	0.0	0.0	0.0
25°	1616.8	237.0	10.3	0.0	0.0	0.0	0.0	0.0
26°	1626.1	230.4	9.3	0.0	0.0	0.0	0.0	0.0
27°	1619.1	222.0	8.4	0.0	0.0	0.0	0.0	0.0
28°	1606.5	209.4	7.0	0.0	0.0	0.0	0.0	0.0
29°	1581.7	192.6	6.1	0.0	0.0	0.0	0.0	0.0
30°	1557.9	175.3	5.1	0.0	0.0	0.0	0.0	0.0
31°	1530.8	159.9	4.2	0.0	0.0	0.0	0.0	0.0
32°	1497.6	142.1	3.3	0.0	0.0	0.0	0.0	0.0
33°	1442.4	125.7	2.3	0.0	0.0	0.0	0.0	0.0
34°	1365.3	110.3	1.9	0.0	0.0	0.0	0.0	0.0
35°	1262.0	93.9	1.4	0.0	0.0	0.0	0.0	0.0
36°	1148.9	76.7	0.9	0.0	0.0	0.0	0.0	0.0
37°	1010.5	55.6	0.9	0.0	0.0	0.0	0.0	0.0
38°	866.1	35.1	0.5	0.0	0.0	0.0	0.0	0.0
39°	718.4	26.6	0.5	0.0	0.0	0.0	0.0	0.0
40°	583.3	22.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	312.2	15.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	184.2	9.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	102.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	36.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	0.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.9	0.9	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	0.9	0.9	0.5	0.0	0.0	0.0
70°	0.0	0.5	0.9	0.9	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
75°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
80°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
85°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	0.9	1.4	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)