

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: P1313064

Luminaire Tested: P3SQAS05R259730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313064
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: P3SQAS05R259730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

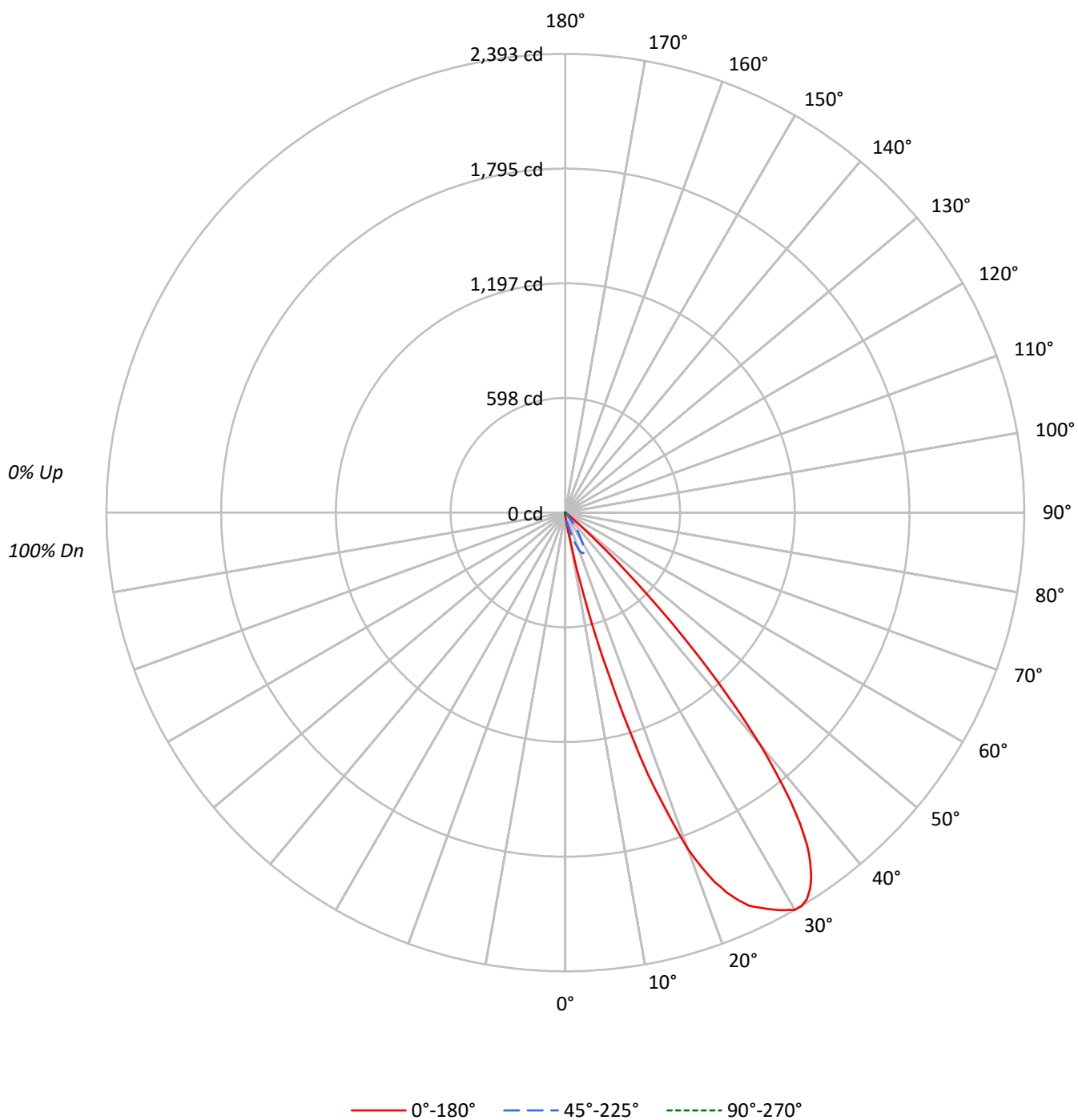
Lumens per Lamp: N/A
Luminaire Lumens: 468.9 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2549	2549	2549	2549	2549
5°	8004	5584	2334	1245	934
10°	25218	10126	1731	157	0
15°	155939	19310	1034	0	0
20°	341919	37626	330	0	0
25°	429802	43269	0	0	0
30°	475786	33509	0	0	0
35°	468342	18985	0	0	0
40°	356004	4946	0	0	0
45°	144212	2192	0	0	0
50°	15995	241	0	0	0
55°	1201	0	120	0	0
60°	0	0	138	0	0
65°	0	0	367	0	0
70°	0	201	453	0	0
75°	0	266	865	0	0
80°	0	397	1289	0	0
85°	0	790	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 144212 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.5
10°-20°	48.4	10.3
20°-30°	169.3	36.1
30°-40°	188.9	40.3
40°-50°	57.1	12.2
50°-60°	1.9	0.4
60°-70°	0.2	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°	220.1	46.9
0°-40°	409.0	87.2
0°-60°	468.0	99.8
0°-90°	468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	46	32	14	7	5	7
15°	875	108	6	0	0	291
25°	2262	228	0	0	0	1032
35°	2228	90	0	0	0	1337
45°	592	9	0	0	0	511
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°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
2.5°	25.6	26.5	26.1	26.5	26.1	26.1	26.1	26.5	26.1	26.1	26.1
5°	46.3	46.7	46.7	46.3	46.3	47.2	46.3	46.7	45.4	46.3	45.8
7.5°	75.9	75.0	75.0	75.5	75.5	74.6	74.1	73.2	74.1	74.1	72.8
10°	144.2	143.3	141.1	140.2	141.1	141.1	136.6	137.5	137.9	133.9	132.5
12.5°	423.6	420.5	426.7	416.9	411.0	401.6	407.0	388.6	384.5	381.8	375.5
15°	874.6	898.4	888.1	889.0	890.8	868.3	876.0	848.1	824.7	817.6	812.6
17.5°	1426.2	1433.4	1424.0	1419.5	1417.7	1406.9	1393.9	1380.0	1362.0	1346.3	1333.3
20°	1865.6	1860.2	1844.0	1845.8	1826.5	1816.6	1805.4	1791.4	1777.5	1754.6	1732.6
21°	1981.5	1965.7	1966.2	1955.4	1955.0	1942.4	1922.6	1908.2	1895.7	1869.6	1855.7
22°	2076.7	2073.1	2065.0	2056.9	2048.4	2042.1	2020.1	2012.9	1987.3	1965.7	1946.0
23°	2150.8	2152.2	2145.0	2139.6	2127.9	2125.2	2096.9	2087.0	2069.5	2036.7	2016.5
24°	2212.4	2210.1	2202.0	2192.6	2185.9	2179.6	2158.0	2141.8	2122.5	2095.6	2075.8
25°	2261.8	2256.4	2251.0	2243.8	2233.0	2225.8	2203.8	2185.9	2169.2	2139.1	2112.2
26°	2291.0	2292.3	2283.8	2278.4	2269.0	2261.8	2238.9	2217.7	2197.1	2164.7	2140.5
27°	2320.6	2319.3	2311.6	2303.5	2293.7	2291.0	2264.5	2242.5	2221.3	2187.2	2158.4
28°	2348.0	2344.4	2338.1	2328.7	2317.9	2309.8	2284.2	2261.3	2238.4	2202.0	2170.6
29°	2370.9	2367.3	2363.3	2351.2	2337.2	2331.8	2304.4	2276.6	2253.7	2216.4	2183.2
30°	2392.5	2385.7	2376.3	2366.0	2352.5	2342.2	2313.4	2289.2	2262.2	2220.9	2189.0
31°	2393.4	2384.4	2377.7	2366.9	2351.6	2339.0	2308.9	2284.2	2252.8	2214.2	2179.6
32°	2377.7	2373.2	2362.4	2350.7	2335.9	2323.3	2290.1	2264.0	2234.4	2193.0	2158.4
33°	2342.2	2337.7	2331.4	2319.3	2300.0	2288.3	2258.6	2229.9	2200.7	2163.4	2123.9
34°	2293.2	2287.8	2279.7	2267.6	2247.8	2235.7	2211.9	2182.3	2151.3	2112.6	2075.8
35°	2227.6	2217.3	2215.0	2197.1	2178.7	2175.5	2147.2	2116.2	2084.8	2042.1	2010.2
36°	2146.3	2134.2	2126.1	2119.8	2107.7	2092.9	2065.0	2040.3	1999.9	1972.5	1927.6
37°	2035.4	2020.5	2028.2	2011.1	1992.2	1986.0	1950.5	1928.0	1893.9	1856.6	1818.4
38°	1906.0	1904.6	1902.8	1895.2	1862.9	1846.2	1831.4	1807.6	1778.0	1733.0	1681.4
39°	1742.5	1745.2	1735.7	1736.6	1720.5	1703.8	1683.2	1656.2	1620.3	1579.4	1537.6
40°	1583.5	1545.3	1552.0	1529.1	1530.5	1505.7	1478.8	1455.0	1432.1	1396.1	1339.1
42.5°	1095.6	1089.8	1069.6	1055.2	1061.5	1029.6	994.1	960.9	929.0	888.5	838.7
45°	592.1	578.6	582.6	559.3	559.3	544.9	535.0	507.2	477.5	459.1	430.3
47.5°	220.1	222.8	227.7	218.3	207.5	213.8	204.4	204.4	199.4	193.6	185.5
50°	59.7	60.6	59.7	59.7	58.4	57.5	55.7	55.3	54.8	53.5	51.2
52.5°	24.3	22.9	22.9	23.4	23.4	22.5	22.9	22.9	22.5	22.0	22.0
55°	4.0	4.5	4.5	4.5	4.5	4.0	4.0	4.5	4.9	4.5	4.5
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°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
2.5°	25.2	22.0	18.4	15.3	12.1	10.3	9.4	9.9
5°	42.7	32.3	21.1	13.5	9.4	7.2	5.8	5.4
7.5°	65.6	44.5	23.8	11.7	7.2	3.6	2.2	1.8
10°	100.6	57.9	25.6	9.9	4.5	0.9	0.0	0.0
12.5°	258.3	71.0	26.1	8.1	1.8	0.0	0.0	0.0
15°	531.0	108.3	25.2	5.8	0.4	0.0	0.0	0.0
17.5°	882.7	165.8	22.0	4.0	0.0	0.0	0.0	0.0
20°	1224.5	205.3	17.5	1.8	0.0	0.0	0.0	0.0
21°	1327.4	217.0	15.7	1.3	0.0	0.0	0.0	0.0
22°	1411.4	225.5	13.9	0.9	0.0	0.0	0.0	0.0
23°	1481.5	230.0	12.1	0.4	0.0	0.0	0.0	0.0
24°	1530.5	230.9	11.2	0.4	0.0	0.0	0.0	0.0
25°	1553.8	227.7	9.9	0.0	0.0	0.0	0.0	0.0
26°	1562.8	221.5	9.0	0.0	0.0	0.0	0.0	0.0
27°	1556.1	213.4	8.1	0.0	0.0	0.0	0.0	0.0
28°	1543.9	201.2	6.7	0.0	0.0	0.0	0.0	0.0
29°	1520.1	185.1	5.8	0.0	0.0	0.0	0.0	0.0
30°	1497.2	168.5	4.9	0.0	0.0	0.0	0.0	0.0
31°	1471.2	153.6	4.0	0.0	0.0	0.0	0.0	0.0
32°	1439.3	136.6	3.1	0.0	0.0	0.0	0.0	0.0
33°	1386.3	120.8	2.2	0.0	0.0	0.0	0.0	0.0
34°	1312.1	106.0	1.8	0.0	0.0	0.0	0.0	0.0
35°	1212.9	90.3	1.3	0.0	0.0	0.0	0.0	0.0
36°	1104.2	73.7	0.9	0.0	0.0	0.0	0.0	0.0
37°	971.2	53.5	0.9	0.0	0.0	0.0	0.0	0.0
38°	832.4	33.7	0.4	0.0	0.0	0.0	0.0	0.0
39°	690.4	25.6	0.4	0.0	0.0	0.0	0.0	0.0
40°	560.6	22.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	300.1	14.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	177.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	98.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	35.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.9	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.9	0.9	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.9	0.9	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.9	0.9	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.9	1.3	0.4	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	0.4	0.9	1.3	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.9	1.3	0.4	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)