

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: P1314036

Luminaire Tested: P3SQAS05R259735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314036
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: P3SQAS05R259735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

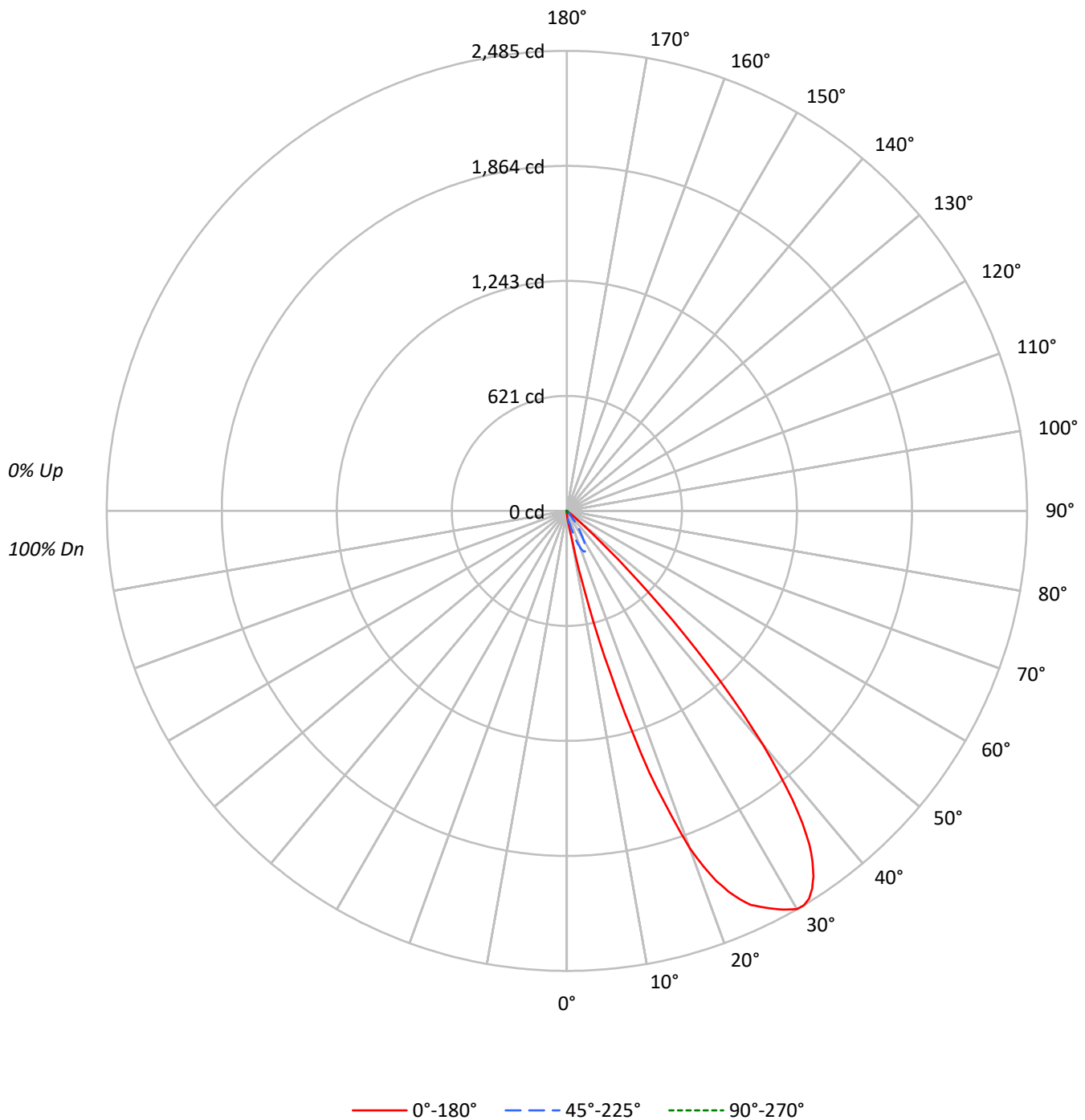
Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	8298	5809	2420	1297	968
10°	26179	10528	1801	157	0
15°	161930	20041	1088	0	0
20°	355041	39074	348	0	0
25°	446297	44941	0	0	0
30°	494042	34782	0	0	0
35°	486318	19721	0	0	0
40°	369650	5148	0	0	0
45°	149740	2265	0	0	0
50°	16612	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: 149740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.5
10°-20°	50.3	10.3
20°-30°	175.8	36.1
30°-40°	196.2	40.3
40°-50°	59.2	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°	228.6	46.9
0°-40°	424.7	87.2
0°-60°	485.9	99.8
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	48	34	14	8	6	7
15°	908	112	6	0	0	302
25°	2349	236	0	0	0	1071
35°	2313	94	0	0	0	1389
45°	615	9	0	0	0	531
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	27.5	27.1	27.5	27.1	27.1	27.1	27.5	27.1	27.1	27.1
5°	48.0	48.5	48.5	48.0	48.0	49.0	48.0	48.5	47.1	48.0	47.6
7.5°	78.8	77.9	77.9	78.4	78.4	77.4	77.0	76.0	77.0	77.0	75.6
10°	149.7	148.8	146.5	145.5	146.5	146.5	141.8	142.7	143.2	139.0	137.6
12.5°	439.9	436.6	443.1	432.9	426.8	417.0	422.6	403.5	399.3	396.5	390.0
15°	908.2	932.9	922.2	923.1	925.0	901.6	909.6	880.7	856.4	848.9	843.8
17.5°	1481.0	1488.4	1478.6	1474.0	1472.1	1460.9	1447.4	1432.9	1414.3	1397.9	1384.4
20°	1937.2	1931.6	1914.8	1916.6	1896.6	1886.3	1874.7	1860.2	1845.7	1822.0	1799.1
21°	2057.5	2041.2	2041.6	2030.5	2030.0	2016.9	1996.4	1981.5	1968.4	1941.4	1926.9
22°	2156.4	2152.7	2144.3	2135.9	2127.0	2120.5	2097.6	2090.2	2063.6	2041.2	2020.7
23°	2233.4	2234.8	2227.3	2221.7	2209.6	2206.8	2177.4	2167.1	2148.9	2114.9	2093.9
24°	2297.3	2294.9	2286.5	2276.7	2269.7	2263.2	2240.8	2224.0	2204.0	2176.0	2155.5
25°	2348.6	2343.0	2337.4	2329.9	2318.7	2311.3	2288.4	2269.7	2252.5	2221.2	2193.2
26°	2378.9	2380.3	2371.4	2365.8	2356.0	2348.6	2324.8	2302.9	2281.4	2247.8	2222.6
27°	2409.7	2408.3	2400.3	2392.0	2381.7	2378.9	2351.4	2328.5	2306.6	2271.1	2241.3
28°	2438.1	2434.4	2427.9	2418.1	2406.9	2398.5	2371.9	2348.1	2324.3	2286.5	2253.9
29°	2461.9	2458.2	2454.0	2441.4	2426.9	2421.3	2392.9	2364.0	2340.2	2301.5	2266.9
30°	2484.3	2477.3	2467.5	2456.8	2442.8	2432.1	2402.2	2377.0	2349.0	2306.1	2273.0
31°	2485.2	2475.9	2468.9	2457.7	2441.9	2428.8	2397.6	2371.9	2339.2	2299.1	2263.2
32°	2468.9	2464.3	2453.1	2440.9	2425.5	2412.5	2378.0	2350.9	2320.1	2277.2	2241.3
33°	2432.1	2427.4	2420.9	2408.3	2388.2	2376.1	2345.3	2315.5	2285.1	2246.4	2205.4
34°	2381.2	2375.6	2367.2	2354.6	2334.1	2321.5	2296.8	2266.0	2233.8	2193.7	2155.5
35°	2313.1	2302.4	2300.1	2281.4	2262.3	2259.0	2229.6	2197.4	2164.8	2120.5	2087.4
36°	2228.7	2216.1	2207.7	2201.2	2188.6	2173.2	2144.3	2118.6	2076.6	2048.2	2001.5
37°	2113.5	2098.1	2106.0	2088.3	2068.7	2062.2	2025.3	2002.0	1966.6	1927.8	1888.2
38°	1979.1	1977.7	1975.9	1968.0	1934.4	1917.1	1901.7	1877.0	1846.2	1799.6	1745.9
39°	1809.4	1812.2	1802.4	1803.3	1786.5	1769.2	1747.8	1719.8	1682.5	1640.0	1596.7
40°	1644.2	1604.6	1611.6	1587.8	1589.2	1563.5	1535.6	1510.8	1487.0	1449.7	1390.5
42.5°	1137.7	1131.6	1110.6	1095.7	1102.2	1069.1	1032.3	997.7	964.6	922.6	870.9
45°	614.8	600.8	605.0	580.7	580.7	565.8	555.5	526.6	495.8	476.7	446.9
47.5°	228.6	231.4	236.5	226.7	215.5	222.0	212.2	212.2	207.1	201.0	192.6
50°	62.0	63.0	62.0	62.0	60.6	59.7	57.8	57.4	56.9	55.5	53.2
52.5°	25.2	23.8	23.8	24.3	24.3	23.3	23.8	23.8	23.3	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°	26.1	22.9	19.1	15.9	12.6	10.7	9.8	10.3
5°	44.3	33.6	21.9	14.0	9.8	7.5	6.1	5.6
7.5°	68.1	46.2	24.7	12.1	7.5	3.7	2.3	1.9
10°	104.5	60.2	26.6	10.3	4.7	0.9	0.0	0.0
12.5°	268.2	73.7	27.1	8.4	1.9	0.0	0.0	0.0
15°	551.3	112.4	26.1	6.1	0.5	0.0	0.0	0.0
17.5°	916.6	172.1	22.9	4.2	0.0	0.0	0.0	0.0
20°	1271.5	213.2	18.2	1.9	0.0	0.0	0.0	0.0
21°	1378.4	225.3	16.3	1.4	0.0	0.0	0.0	0.0
22°	1465.6	234.2	14.5	0.9	0.0	0.0	0.0	0.0
23°	1538.4	238.8	12.6	0.5	0.0	0.0	0.0	0.0
24°	1589.2	239.8	11.7	0.5	0.0	0.0	0.0	0.0
25°	1613.4	236.5	10.3	0.0	0.0	0.0	0.0	0.0
26°	1622.8	230.0	9.3	0.0	0.0	0.0	0.0	0.0
27°	1615.8	221.6	8.4	0.0	0.0	0.0	0.0	0.0
28°	1603.2	209.0	7.0	0.0	0.0	0.0	0.0	0.0
29°	1578.5	192.2	6.1	0.0	0.0	0.0	0.0	0.0
30°	1554.7	174.9	5.1	0.0	0.0	0.0	0.0	0.0
31°	1527.6	159.5	4.2	0.0	0.0	0.0	0.0	0.0
32°	1494.5	141.8	3.3	0.0	0.0	0.0	0.0	0.0
33°	1439.5	125.5	2.3	0.0	0.0	0.0	0.0	0.0
34°	1362.5	110.1	1.9	0.0	0.0	0.0	0.0	0.0
35°	1259.4	93.8	1.4	0.0	0.0	0.0	0.0	0.0
36°	1146.5	76.5	0.9	0.0	0.0	0.0	0.0	0.0
37°	1008.5	55.5	0.9	0.0	0.0	0.0	0.0	0.0
38°	864.3	35.0	0.5	0.0	0.0	0.0	0.0	0.0
39°	716.9	26.6	0.5	0.0	0.0	0.0	0.0	0.0
40°	582.1	22.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	311.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	183.8	9.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	102.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	36.8	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)