

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: P1307661

Luminaire Tested: P3SQAS05R259030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307661
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: P3SQAS05R259030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

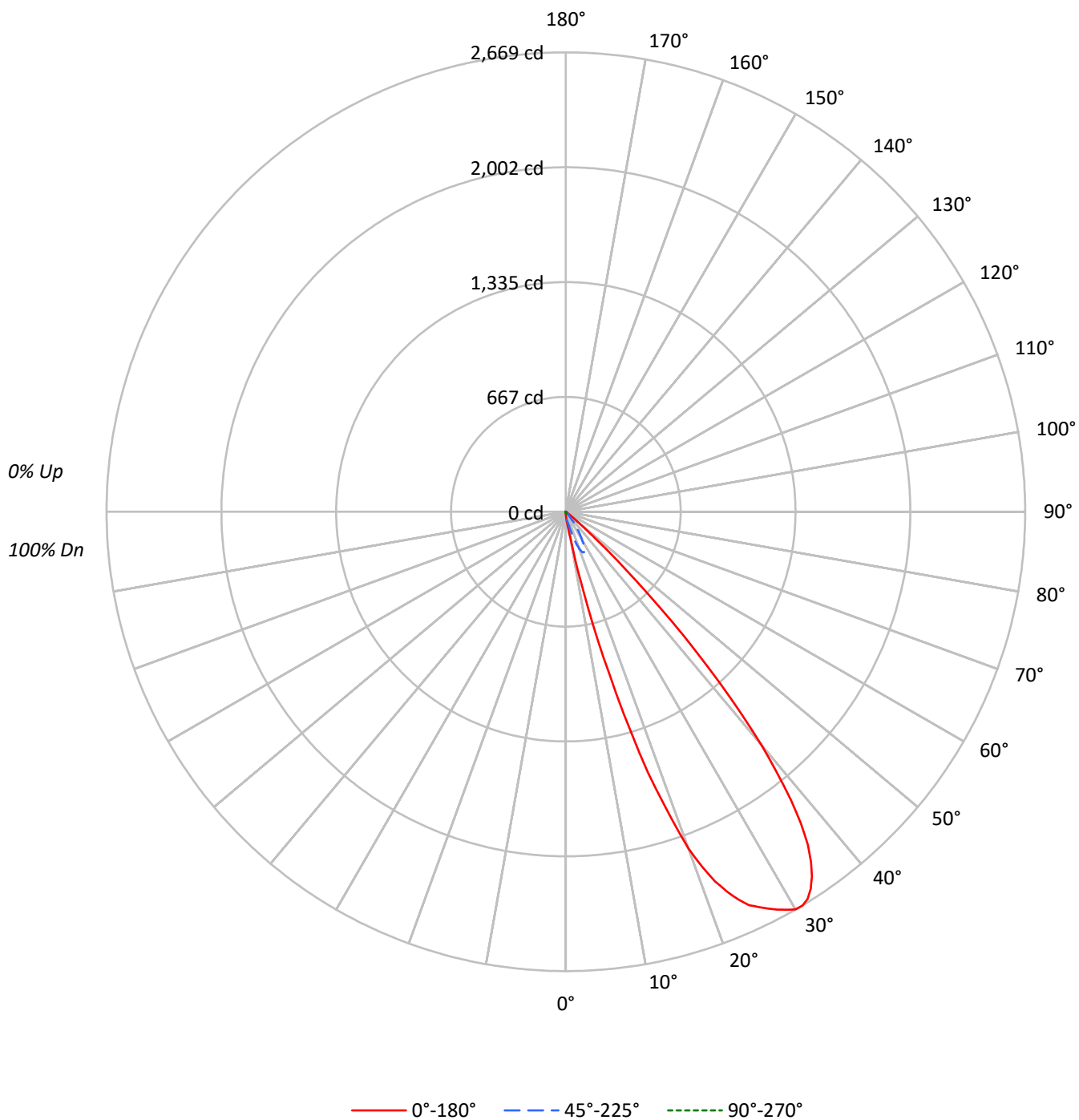
Lumens per Lamp: N/A
Luminaire Lumens: 523.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2842	2842	2842	2842	2842
5°	8921	6241	2593	1383	1037
10°	28121	11297	1924	175	0
15°	173894	21521	1159	0	0
20°	381286	41952	367	0	0
25°	479285	48267	0	0	0
30°	530573	37347	0	0	0
35°	522270	21172	0	0	0
40°	396988	5508	0	0	0
45°	160798	2436	0	0	0
50°	17844	268	0	0	0
55°	1351	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 160798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.5
10°-20°	54.0	10.3
20°-30°	188.8	36.1
30°-40°	210.7	40.3
40°-50°	63.6	12.2
50°-60°	2.1	0.4
60°-70°	0.3	0.1
70°-80°	0.5	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°	245.4	46.9
0°-40°	456.1	87.2
0°-60°	521.8	99.8
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	52	36	15	8	6	8
15°	975	121	6	0	0	324
25°	2522	254	0	0	0	1151
35°	2484	101	0	0	0	1491
45°	660	10	0	0	0	570
55°	4	0	0	0	0	14
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	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°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2.5°	28.6	29.6	29.1	29.6	29.1	29.1	29.1	29.6	29.1	29.1	29.1
5°	51.6	52.1	52.1	51.6	51.6	52.6	51.6	52.1	50.6	51.6	51.1
7.5°	84.7	83.7	83.7	84.2	84.2	83.2	82.7	81.7	82.7	82.7	81.2
10°	160.8	159.8	157.3	156.3	157.3	157.3	152.3	153.3	153.8	149.3	147.8
12.5°	472.4	468.9	475.9	464.9	458.4	447.8	453.8	433.3	428.8	425.8	418.8
15°	975.3	1001.9	990.3	991.3	993.3	968.3	976.8	945.8	919.7	911.7	906.2
17.5°	1590.5	1598.5	1587.9	1582.9	1580.9	1568.9	1554.4	1538.9	1518.8	1501.3	1486.8
20°	2080.4	2074.4	2056.3	2058.3	2036.8	2025.8	2013.2	1997.7	1982.2	1956.6	1932.1
21°	2209.6	2192.1	2192.6	2180.5	2180.0	2166.0	2144.0	2128.0	2113.9	2084.9	2069.3
22°	2315.8	2311.8	2302.8	2293.8	2284.2	2277.2	2252.7	2244.7	2216.1	2192.1	2170.0
23°	2398.5	2400.0	2391.9	2385.9	2372.9	2369.9	2338.3	2327.3	2307.8	2271.2	2248.7
24°	2467.1	2464.6	2455.6	2445.0	2437.5	2430.5	2406.5	2388.4	2366.9	2336.8	2314.8
25°	2522.2	2516.2	2510.2	2502.1	2490.1	2482.1	2457.6	2437.5	2419.0	2385.4	2355.4
26°	2554.7	2556.2	2546.7	2540.7	2530.2	2522.2	2496.6	2473.1	2450.1	2414.0	2386.9
27°	2587.8	2586.3	2577.8	2568.8	2557.8	2554.7	2525.2	2500.6	2477.1	2439.0	2407.0
28°	2618.4	2614.4	2607.3	2596.8	2584.8	2575.8	2547.2	2521.7	2496.1	2455.6	2420.5
29°	2643.9	2639.9	2635.4	2621.9	2606.3	2600.3	2569.8	2538.7	2513.2	2471.6	2434.5
30°	2668.0	2660.4	2649.9	2638.4	2623.4	2611.9	2579.8	2552.7	2522.7	2476.6	2441.0
31°	2669.0	2658.9	2651.4	2639.4	2622.4	2608.3	2574.8	2547.2	2512.2	2469.1	2430.5
32°	2651.4	2646.4	2634.4	2621.4	2604.8	2590.8	2553.7	2524.7	2491.6	2445.5	2407.0
33°	2611.9	2606.8	2599.8	2586.3	2564.8	2551.7	2518.7	2486.6	2454.1	2412.5	2368.4
34°	2557.2	2551.2	2542.2	2528.7	2506.7	2493.1	2466.6	2433.5	2399.0	2355.9	2314.8
35°	2484.1	2472.6	2470.1	2450.1	2429.5	2426.0	2394.4	2359.9	2324.8	2277.2	2241.7
36°	2393.4	2379.9	2370.9	2363.9	2350.4	2333.8	2302.8	2275.2	2230.1	2199.6	2149.5
37°	2269.7	2253.2	2261.7	2242.7	2221.6	2214.6	2175.0	2150.0	2111.9	2070.3	2027.8
38°	2125.4	2123.9	2121.9	2113.4	2077.4	2058.8	2042.3	2015.7	1982.7	1932.6	1875.0
39°	1943.1	1946.1	1935.6	1936.6	1918.6	1900.0	1877.0	1846.9	1806.9	1761.3	1714.7
40°	1765.8	1723.2	1730.7	1705.2	1706.7	1679.1	1649.1	1622.5	1597.0	1556.9	1493.3
42.5°	1221.8	1215.3	1192.7	1176.7	1183.7	1148.1	1108.6	1071.5	1035.9	990.8	935.2
45°	660.2	645.2	649.7	623.7	623.7	607.6	596.6	565.6	532.5	512.0	479.9
47.5°	245.5	248.5	254.0	243.5	231.4	238.4	227.9	227.9	222.4	215.9	206.9
50°	66.6	67.6	66.6	66.6	65.1	64.1	62.1	61.6	61.1	59.6	57.1
52.5°	27.1	25.5	25.5	26.0	26.0	25.0	25.5	25.5	25.0	24.5	24.5
55°	4.5	5.0	5.0	5.0	5.0	4.5	4.5	5.0	5.5	5.0	5.0
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°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2.5°	28.1	24.5	20.5	17.0	13.5	11.5	10.5	11.0
5°	47.6	36.1	23.5	15.0	10.5	8.0	6.5	6.0
7.5°	73.1	49.6	26.5	13.0	8.0	4.0	2.5	2.0
10°	112.2	64.6	28.6	11.0	5.0	1.0	0.0	0.0
12.5°	288.0	79.1	29.1	9.0	2.0	0.0	0.0	0.0
15°	592.1	120.7	28.1	6.5	0.5	0.0	0.0	0.0
17.5°	984.3	184.8	24.5	4.5	0.0	0.0	0.0	0.0
20°	1365.5	228.9	19.5	2.0	0.0	0.0	0.0	0.0
21°	1480.2	241.9	17.5	1.5	0.0	0.0	0.0	0.0
22°	1573.9	251.5	15.5	1.0	0.0	0.0	0.0	0.0
23°	1652.1	256.5	13.5	0.5	0.0	0.0	0.0	0.0
24°	1706.7	257.5	12.5	0.5	0.0	0.0	0.0	0.0
25°	1732.7	254.0	11.0	0.0	0.0	0.0	0.0	0.0
26°	1742.7	247.0	10.0	0.0	0.0	0.0	0.0	0.0
27°	1735.2	237.9	9.0	0.0	0.0	0.0	0.0	0.0
28°	1721.7	224.4	7.5	0.0	0.0	0.0	0.0	0.0
29°	1695.1	206.4	6.5	0.0	0.0	0.0	0.0	0.0
30°	1669.6	187.8	5.5	0.0	0.0	0.0	0.0	0.0
31°	1640.5	171.3	4.5	0.0	0.0	0.0	0.0	0.0
32°	1605.0	152.3	3.5	0.0	0.0	0.0	0.0	0.0
33°	1545.9	134.8	2.5	0.0	0.0	0.0	0.0	0.0
34°	1463.2	118.2	2.0	0.0	0.0	0.0	0.0	0.0
35°	1352.5	100.7	1.5	0.0	0.0	0.0	0.0	0.0
36°	1231.3	82.2	1.0	0.0	0.0	0.0	0.0	0.0
37°	1083.0	59.6	1.0	0.0	0.0	0.0	0.0	0.0
38°	928.2	37.6	0.5	0.0	0.0	0.0	0.0	0.0
39°	769.9	28.6	0.5	0.0	0.0	0.0	0.0	0.0
40°	625.2	24.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	334.6	16.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	197.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	110.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	39.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.5	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	1.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.0	1.0	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.0	1.5	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	1.0	1.5	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.5	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)