

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: P1317129

Luminaire Tested: P3SQAS13R359830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317129
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: P3SQAS13R359830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

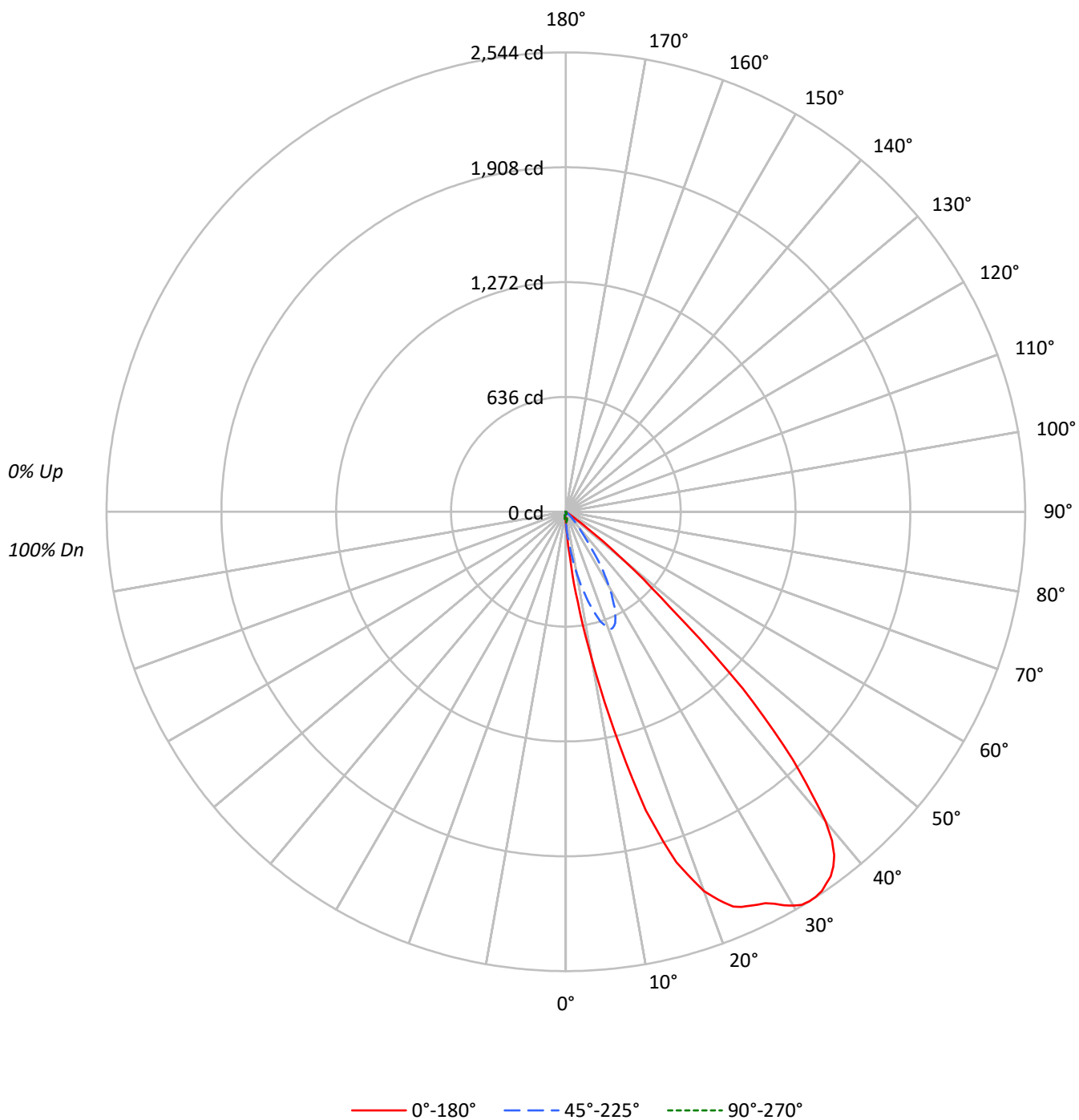
Lumens per Lamp: N/A
Luminaire Lumens: 760.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	9868	9868	9868	9868	9868
5°	42874	26572	9145	3267	2265
10°	144293	59966	6855	769	262
15°	305335	98385	4261	0	0
20°	409401	125709	1998	0	0
25°	457565	123441	418	0	0
30°	500903	94580	0	0	0
35°	528640	51531	0	0	0
40°	502542	23157	0	0	0
45°	337281	10254	0	0	0
50°	112665	965	0	0	0
55°	6095	0	0	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	0	0
85°	0	1383	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 337281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	1.6
10°-20°	105.4	13.9
20°-30°	231.4	30.4
30°-40°	267.6	35.2
40°-50°	132.1	17.4
50°-60°	9.8	1.3
60°-70°	0.3	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°	349.1	45.9
0°-40°	616.7	81.1
0°-60°	758.6	99.8
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	248	154	53	19	13	43
15°	1712	552	24	0	0	483
25°	2408	650	2	0	0	1113
35°	2514	245	0	0	0	1553
45°	1385	42	0	0	0	1016
55°	20	0	0	0	0	83
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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2.5°	113.8	116.7	115.3	115.3	114.6	110.9	104.4	102.2	94.3	74.7	58.0
5°	248.0	248.7	246.5	235.6	226.2	217.5	198.7	190.0	153.7	91.4	52.9
7.5°	503.2	492.3	478.5	463.3	429.9	399.5	359.6	317.6	237.8	105.9	47.1
10°	825.1	809.9	798.3	762.0	701.8	639.5	563.4	494.5	342.9	116.0	39.2
12.5°	1240.5	1231.8	1190.5	1118.0	1028.8	938.9	806.2	696.8	448.8	118.2	31.9
15°	1712.5	1698.0	1635.0	1532.0	1410.9	1269.5	1091.9	907.7	551.8	111.7	23.9
17.5°	2035.2	2027.2	1972.8	1864.8	1725.6	1545.8	1335.5	1105.7	636.6	97.9	16.7
20°	2233.8	2222.2	2171.5	2080.1	1934.4	1746.6	1497.2	1231.8	685.9	80.5	10.9
21°	2285.3	2273.7	2233.1	2138.1	1998.9	1797.4	1541.4	1262.3	695.3	72.5	8.7
22°	2333.9	2322.3	2279.5	2195.4	2057.7	1847.4	1576.2	1285.5	693.9	66.0	6.5
23°	2374.5	2362.2	2320.1	2242.5	2104.1	1891.6	1602.3	1297.1	684.4	59.5	5.1
24°	2395.5	2388.3	2350.6	2277.3	2141.8	1922.8	1620.5	1301.4	672.8	52.9	3.6
25°	2407.9	2399.2	2362.2	2294.7	2166.4	1947.5	1632.1	1297.8	649.6	47.1	2.2
26°	2420.9	2407.9	2365.8	2300.6	2179.5	1959.1	1632.8	1288.4	625.0	42.1	0.7
27°	2432.5	2420.2	2376.7	2304.9	2181.6	1955.4	1627.0	1270.3	595.3	37.0	0.7
28°	2457.9	2444.1	2394.1	2314.3	2183.8	1946.0	1608.9	1245.6	556.1	32.6	0.0
29°	2491.2	2476.7	2419.5	2336.8	2188.9	1935.9	1584.2	1213.0	522.0	29.0	0.0
30°	2518.8	2505.7	2452.8	2365.1	2201.9	1926.4	1555.2	1168.8	475.6	24.7	0.0
31°	2539.1	2526.0	2477.5	2389.0	2213.5	1917.7	1519.0	1123.1	433.6	21.8	0.0
32°	2544.2	2533.3	2487.6	2399.2	2213.5	1904.7	1485.6	1071.6	392.2	18.1	0.0
33°	2542.0	2531.1	2484.7	2391.9	2194.0	1873.5	1445.0	1010.0	345.1	16.0	0.0
34°	2534.0	2521.0	2471.7	2368.7	2155.5	1820.6	1386.3	948.4	295.8	13.1	0.0
35°	2514.4	2502.8	2449.2	2325.2	2096.1	1740.1	1308.0	877.3	245.1	10.9	0.0
36°	2495.6	2478.2	2412.2	2271.5	2017.8	1657.4	1214.4	795.4	201.6	8.7	0.0
37°	2460.8	2436.1	2369.4	2194.0	1906.9	1540.7	1107.9	705.5	168.9	6.5	0.0
38°	2414.4	2381.0	2296.2	2104.1	1795.2	1431.2	1007.8	624.3	142.1	4.4	0.0
39°	2342.6	2303.5	2188.2	1980.8	1666.1	1304.3	893.2	538.0	121.1	2.9	0.0
40°	2235.3	2198.3	2070.7	1834.3	1537.8	1164.4	775.8	440.8	103.0	1.5	0.0
42.5°	1861.2	1810.4	1662.5	1427.6	1136.9	837.4	513.3	245.1	68.2	0.0	0.0
45°	1384.8	1339.9	1194.9	981.0	757.7	512.6	274.8	144.3	42.1	0.0	0.0
47.5°	782.3	777.2	683.0	563.4	422.7	272.6	139.2	87.0	18.1	0.0	0.0
50°	420.5	394.4	340.0	258.1	176.2	118.9	75.4	47.9	3.6	0.0	0.0
52.5°	153.7	148.6	124.7	103.7	79.8	54.4	38.4	21.0	0.0	0.0	0.0
55°	20.3	18.9	19.6	21.0	21.8	18.9	12.3	4.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.5	1.5	1.5	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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	0.7	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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	0.7	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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°	57.3	57.3	57.3	57.3
2.5°	44.2	34.1	29.0	28.3
5°	30.5	18.9	13.8	13.1
7.5°	21.0	9.4	6.5	5.8
10°	12.3	4.4	2.2	1.5
12.5°	7.3	0.7	0.0	0.0
15°	2.2	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°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)