

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: P1305912

Luminaire Tested: P3SQAS13R309024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

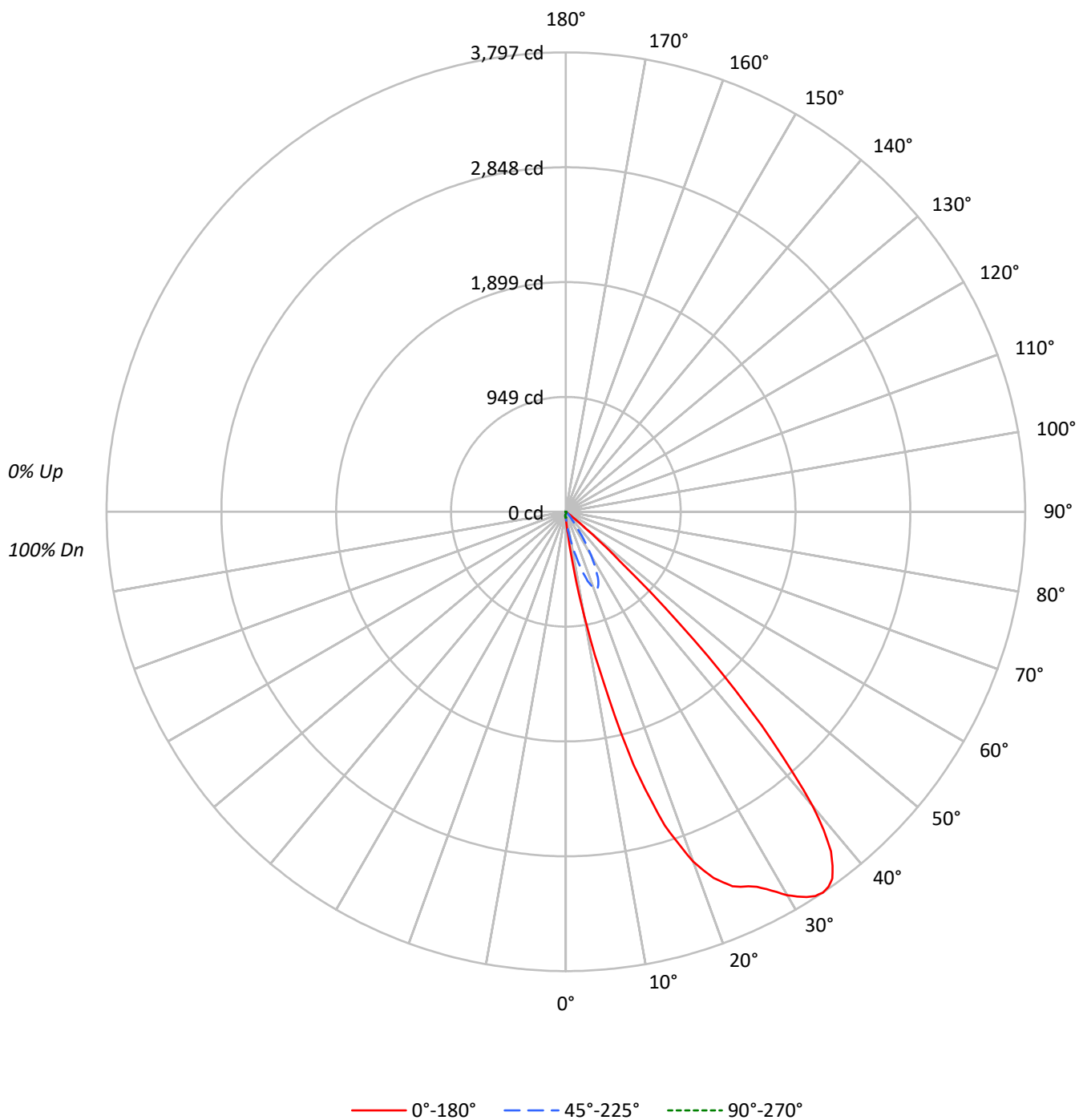
Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8422	8422	8422	8422	8422
5°	30548	18982	7710	3112	2230
10°	151201	45451	5998	595	0
15°	385694	86564	3816	0	0
20°	563572	123088	1576	0	0
25°	650176	120781	323	0	0
30°	727669	82907	0	0	0
35°	795819	35700	0	0	0
40°	714278	13894	0	0	0
45°	364755	5651	0	0	0
50°	56292	697	0	0	0
55°	3363	0	270	0	0
60°	0	0	310	0	0
65°	0	0	693	0	0
70°	0	453	856	0	0
75°	0	599	1730	0	0
80°	0	893	2579	0	0
85°	0	1778	5138	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 364755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	1.1
10°-20°	121.8	13.3
20°-30°	301.0	32.9
30°-40°	346.1	37.9
40°-50°	128.4	14.0
50°-60°	4.7	0.5
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.7	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°	432.9	47.4
0°-40°	779.0	85.2
0°-60°	912.1	99.8
0°-90°	914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	177	110	45	18	13	38
15°	2163	486	21	0	0	622
25°	3422	636	2	0	0	1581
35°	3785	170	0	0	0	2295
45°	1498	23	0	0	0	1166
55°	11	0	1	0	0	38
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	86.6	87.5	87.5	84.9	84.1	83.2	80.6	72.9	60.9	48.9	39.5
5°	176.7	177.6	177.6	172.4	162.1	151.8	143.2	109.8	70.3	44.6	29.2
7.5°	416.9	417.7	399.7	379.1	337.9	316.5	277.0	169.0	79.8	40.3	18.9
10°	864.6	845.7	798.6	738.5	675.0	592.7	509.5	259.9	86.6	34.3	12.0
12.5°	1445.3	1427.3	1366.4	1280.6	1156.2	995.0	837.2	365.4	87.5	27.4	6.9
15°	2163.2	2112.6	2039.7	1897.3	1713.8	1464.2	1203.4	485.5	84.1	21.4	1.7
17.5°	2719.9	2673.6	2580.9	2414.5	2186.4	1909.3	1589.4	599.6	74.6	13.7	0.0
20°	3075.0	3026.1	2939.5	2792.8	2550.1	2225.0	1858.7	671.6	61.8	8.6	0.0
21°	3176.2	3129.0	3044.1	2898.3	2656.4	2332.2	1924.8	687.0	55.8	6.9	0.0
22°	3265.4	3228.5	3149.6	2990.9	2744.8	2411.1	1991.7	688.8	51.5	5.1	0.0
23°	3328.0	3301.4	3222.5	3076.7	2831.4	2475.4	2027.7	678.5	46.3	3.4	0.0
24°	3388.1	3355.5	3287.7	3152.2	2900.0	2529.5	2060.3	659.6	41.2	2.6	0.0
25°	3421.5	3383.8	3331.5	3204.5	2956.6	2563.8	2080.0	635.6	36.0	1.7	0.0
26°	3444.7	3415.5	3358.0	3235.4	2980.6	2586.1	2082.6	600.4	32.6	0.9	0.0
27°	3479.8	3450.7	3394.9	3262.8	2990.9	2582.7	2067.2	560.1	28.3	0.0	0.0
28°	3533.0	3494.4	3438.7	3292.0	2995.2	2568.1	2032.8	516.4	24.0	0.0	0.0
29°	3593.9	3554.5	3493.6	3330.6	2996.1	2538.9	1978.8	468.3	21.4	0.0	0.0
30°	3659.1	3624.8	3563.0	3368.3	3005.5	2501.2	1916.2	416.9	17.2	0.0	0.0
31°	3710.6	3679.7	3613.7	3402.7	3013.2	2468.6	1839.0	365.4	14.6	0.0	0.0
32°	3755.2	3727.7	3646.2	3410.4	2997.8	2422.3	1756.6	315.6	12.0	0.0	0.0
33°	3786.1	3751.8	3656.5	3390.6	2953.2	2345.9	1664.9	268.5	9.4	0.0	0.0
34°	3797.2	3756.0	3641.1	3339.2	2863.1	2230.1	1545.6	219.6	7.7	0.0	0.0
35°	3785.2	3734.6	3585.3	3250.8	2741.3	2092.0	1402.4	169.8	6.0	0.0	0.0
36°	3746.6	3682.3	3505.6	3124.7	2567.2	1929.1	1259.2	132.1	4.3	0.0	0.0
37°	3663.4	3592.2	3369.2	2958.3	2394.8	1742.1	1096.2	102.9	2.6	0.0	0.0
38°	3561.3	3458.4	3187.4	2748.2	2171.8	1531.9	934.9	84.9	1.7	0.0	0.0
39°	3387.2	3274.0	2971.2	2506.3	1953.1	1332.1	778.0	73.8	0.9	0.0	0.0
40°	3177.1	3042.4	2724.2	2247.3	1694.9	1122.8	649.3	61.8	0.9	0.0	0.0
42.5°	2396.5	2282.4	1940.2	1528.5	1036.1	662.2	360.3	40.3	0.0	0.0	0.0
45°	1497.6	1378.4	1146.8	838.0	561.0	343.1	173.3	23.2	0.0	0.0	0.0
47.5°	611.6	561.0	461.5	355.1	253.9	161.3	72.1	10.3	0.0	0.0	0.0
50°	210.1	187.0	157.0	114.9	81.5	55.8	37.7	2.6	0.0	0.0	0.0
52.5°	60.9	61.8	54.0	46.3	36.0	25.7	18.9	0.0	0.0	0.0	0.0
55°	11.2	9.4	11.2	10.3	11.2	9.4	6.9	0.0	0.0	0.9	0.0
57.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
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):

	135°	157.5°	180°
0°	48.9	48.9	48.9
2.5°	31.7	28.3	26.6
5°	18.0	13.7	12.9
7.5°	9.4	6.0	5.1
10°	3.4	0.9	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)