

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: P1306901

Luminaire Tested: P3SQAS13R359027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306901
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: P3SQAS13R359027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

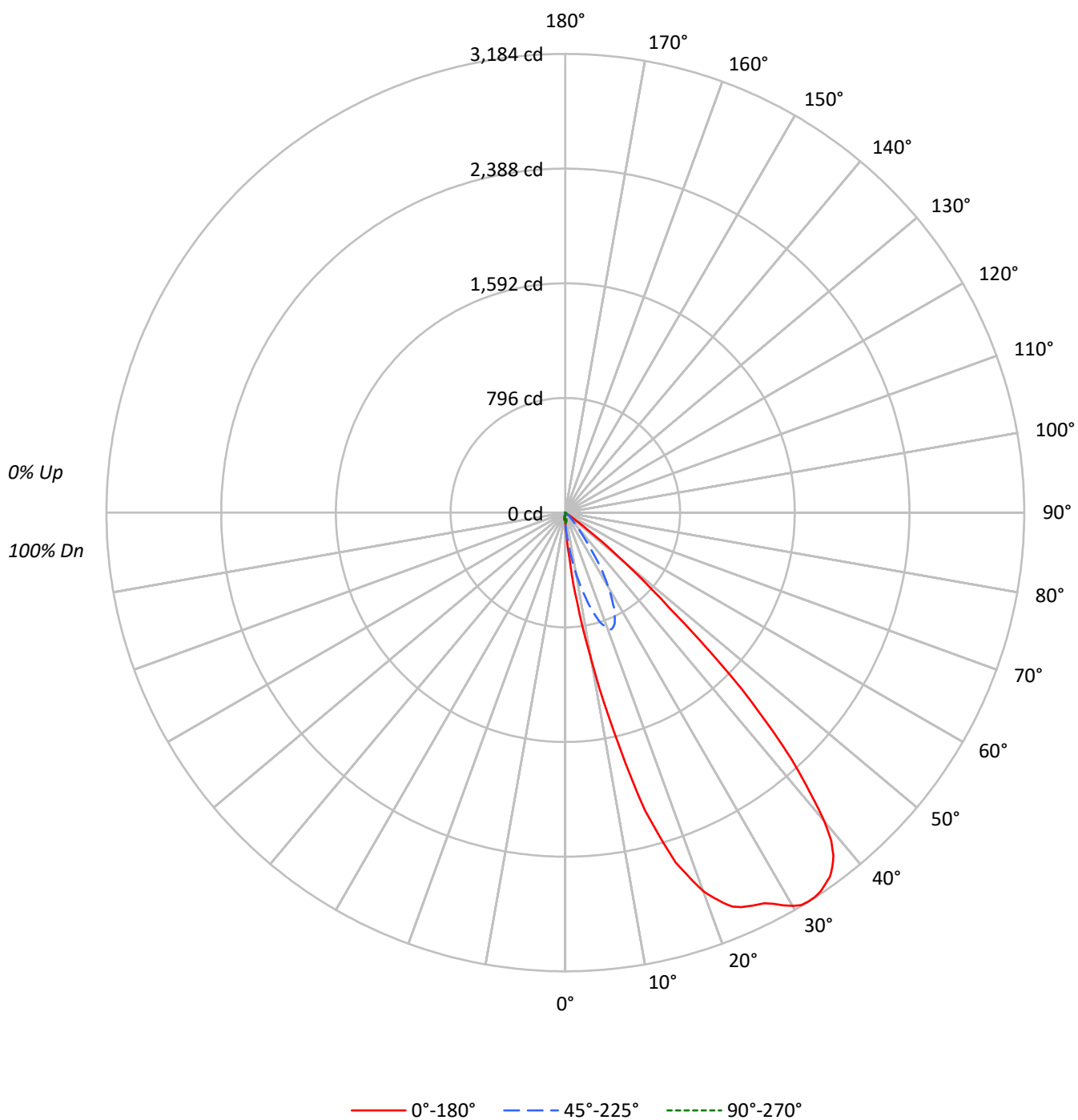
Lumens per Lamp: N/A
Luminaire Lumens: 951.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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	55	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°	12348	12348	12348	12348	12348
5°	53645	33245	11445	4080	2818
10°	180563	75041	8569	944	315
15°	382075	123097	5331	0	0
20°	512292	157305	2493	0	0
25°	572550	154473	513	0	0
30°	626785	118365	0	0	0
35°	661515	64482	0	0	0
40°	628846	28957	0	0	0
45°	422064	12811	0	0	0
50°	140985	1206	0	0	0
55°	7627	0	0	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1198	0	0
80°	0	893	1785	0	0
85°	0	1778	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 422064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	1.6
10°-20°	131.9	13.9
20°-30°	289.5	30.4
30°-40°	334.9	35.2
40°-50°	165.3	17.4
50°-60°	12.2	1.3
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.6	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°	436.9	45.9
0°-40°	771.7	81.2
0°-60°	949.3	99.8
0°-90°	951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	72	72	72	72	72	
5°	310	192	66	24	16	53
15°	2143	690	30	0	0	605
25°	3013	813	3	0	0	1393
35°	3146	307	0	0	0	1943
45°	1733	53	0	0	0	1272
55°	25	0	0	0	0	104
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°	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
2.5°	142.4	146.1	144.3	144.3	143.3	138.8	130.6	127.9	117.9	93.4	72.6
5°	310.3	311.2	308.5	294.9	283.1	272.2	248.6	237.7	192.3	114.3	66.2
7.5°	629.6	616.0	598.8	579.7	538.0	499.9	450.0	397.4	297.6	132.5	59.0
10°	1032.5	1013.4	998.9	953.5	878.2	800.2	704.9	618.7	429.1	145.2	49.0
12.5°	1552.3	1541.4	1489.7	1399.0	1287.4	1174.9	1008.9	871.9	561.6	147.9	39.9
15°	2142.9	2124.8	2045.9	1917.0	1765.5	1588.6	1366.3	1135.9	690.4	139.7	29.9
17.5°	2546.7	2536.7	2468.6	2333.5	2159.3	1934.3	1671.2	1383.6	796.6	122.5	20.9
20°	2795.2	2780.7	2717.2	2602.9	2420.6	2185.6	1873.5	1541.4	858.3	100.7	13.6
21°	2859.7	2845.1	2794.3	2675.5	2501.3	2249.1	1928.8	1579.5	870.1	90.7	10.9
22°	2920.4	2905.9	2852.4	2747.2	2574.8	2311.7	1972.4	1608.6	868.2	82.6	8.2
23°	2971.3	2955.8	2903.2	2806.1	2632.8	2367.0	2005.0	1623.1	856.4	74.4	6.4
24°	2997.6	2988.5	2941.3	2849.7	2680.0	2406.0	2027.7	1628.5	841.9	66.2	4.5
25°	3013.0	3002.1	2955.8	2871.5	2710.9	2436.9	2042.2	1624.0	812.9	59.0	2.7
26°	3029.3	3013.0	2960.4	2878.7	2727.2	2451.4	2043.1	1612.2	782.1	52.6	0.9
27°	3043.8	3028.4	2974.0	2884.2	2729.9	2446.9	2035.9	1589.5	744.9	46.3	0.9
28°	3075.6	3058.4	2995.8	2896.0	2732.6	2435.1	2013.2	1558.7	695.9	40.8	0.0
29°	3117.3	3099.2	3027.5	2924.1	2739.0	2422.4	1982.3	1517.8	653.2	36.3	0.0
30°	3151.8	3135.5	3069.2	2959.5	2755.3	2410.6	1946.1	1462.5	595.2	30.8	0.0
31°	3177.2	3160.9	3100.1	2989.4	2769.8	2399.7	1900.7	1405.3	542.5	27.2	0.0
32°	3183.6	3169.9	3112.8	3002.1	2769.8	2383.4	1859.0	1340.9	490.8	22.7	0.0
33°	3180.8	3167.2	3109.2	2993.0	2745.3	2344.3	1808.2	1263.8	431.9	20.0	0.0
34°	3170.9	3154.5	3092.8	2964.0	2697.3	2278.1	1734.7	1186.7	370.2	16.3	0.0
35°	3146.4	3131.8	3064.7	2909.6	2622.9	2177.4	1636.7	1097.8	306.7	13.6	0.0
36°	3122.8	3101.0	3018.4	2842.4	2524.9	2074.0	1519.6	995.3	252.2	10.9	0.0
37°	3079.2	3048.4	2964.9	2745.3	2386.1	1927.9	1386.3	882.8	211.4	8.2	0.0
38°	3021.2	2979.4	2873.3	2632.8	2246.4	1790.9	1261.1	781.1	177.8	5.4	0.0
39°	2931.3	2882.3	2738.1	2478.6	2084.9	1632.1	1117.7	673.2	151.5	3.6	0.0
40°	2797.1	2750.8	2591.1	2295.4	1924.3	1457.0	970.8	551.6	128.8	1.8	0.0
42.5°	2328.9	2265.4	2080.3	1786.4	1422.6	1047.9	642.3	306.7	85.3	0.0	0.0
45°	1732.9	1676.6	1495.2	1227.5	948.1	641.4	343.8	180.5	52.6	0.0	0.0
47.5°	978.9	972.6	854.6	704.9	528.9	341.1	174.2	108.9	22.7	0.0	0.0
50°	526.2	493.5	425.5	323.0	220.5	148.8	94.4	59.9	4.5	0.0	0.0
52.5°	192.3	186.0	156.0	129.7	99.8	68.0	48.1	26.3	0.0	0.0	0.0
55°	25.4	23.6	24.5	26.3	27.2	23.6	15.4	5.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	1.8	1.8	1.8	0.0	0.0	0.0	0.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8



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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	0.9	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
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°	71.7	71.7	71.7	71.7
2.5°	55.3	42.6	36.3	35.4
5°	38.1	23.6	17.2	16.3
7.5°	26.3	11.8	8.2	7.3
10°	15.4	5.4	2.7	1.8
12.5°	9.1	0.9	0.0	0.0
15°	2.7	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°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.0	0.0	0.0
85°	0.9	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)