

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: P1312614

Luminaire Tested: P3SQAS17R409727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

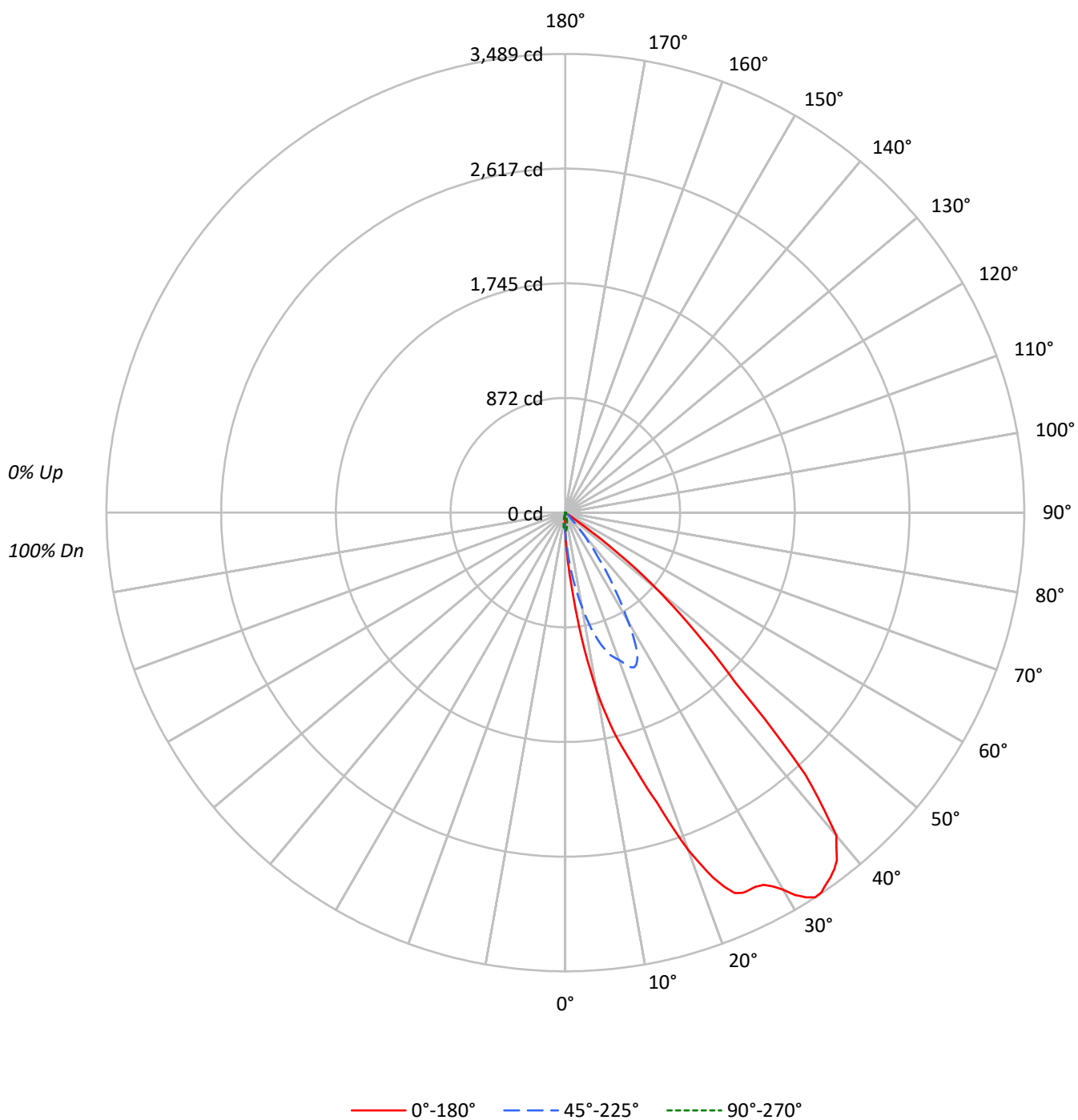
Lumens per Lamp: N/A
Luminaire Lumens: 1171.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23595	23595	23595	23595	23595
5°	100115	68236	20694	3734	1867
10°	240652	126928	12819	385	0
15°	354189	184396	5385	0	0
20°	500635	218593	1979	0	0
25°	606394	242645	0	0	0
30°	658404	189797	0	0	0
35°	725997	111093	0	0	0
40°	720573	45099	0	0	0
45°	446250	13128	0	0	0
50°	248479	295	0	0	0
55°	24291	0	0	0	0
60°	0	0	379	0	0
65°	0	0	448	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	0	0
85°	0	2174	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 448369 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	2.2
10°-20°	150.9	12.9
20°-30°	344.5	29.4
30°-40°	406.8	34.7
40°-50°	217.4	18.6
50°-60°	23.6	2.0
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	521.1	44.5
0°-40°	928.0	79.2
0°-60°	1168.9	99.8
0°-90°	1171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1171.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	579	395	120	22	11	81
15°	1986	1034	30	0	0	590
25°	3191	1277	0	0	0	1449
35°	3453	528	0	0	0	2133
45°	1832	54	0	0	0	1511
55°	81	0	0	0	0	227
65°	0	0	1	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°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	319.2	312.7	317.1	308.4	308.4	289.0	290.1	273.9	250.2	190.9	135.9
5°	579.1	605.0	584.5	557.5	542.4	523.0	497.2	470.2	394.7	238.3	119.7
7.5°	969.5	967.3	932.8	903.7	870.3	818.5	770.0	704.2	561.9	272.8	99.2
10°	1376.1	1368.5	1329.7	1304.9	1241.3	1166.9	1067.6	962.0	725.8	284.7	73.3
12.5°	1714.7	1705.0	1672.6	1630.6	1560.5	1466.7	1359.9	1220.8	898.3	271.8	47.5
15°	1986.5	1984.3	1953.0	1895.9	1822.5	1730.9	1610.1	1442.9	1034.2	238.3	30.2
17.5°	2308.9	2321.8	2265.8	2204.3	2098.6	1970.3	1822.5	1631.7	1134.5	197.4	19.4
20°	2731.6	2713.3	2661.6	2572.0	2470.7	2316.5	2107.2	1834.4	1192.7	153.1	10.8
21°	2861.1	2853.5	2799.6	2716.6	2604.4	2448.0	2232.3	1937.9	1219.7	137.0	8.6
22°	2992.6	2979.7	2937.6	2856.7	2751.1	2574.2	2336.9	2044.7	1254.2	119.7	5.4
23°	3090.8	3085.4	3053.0	2973.2	2864.3	2692.8	2450.2	2143.9	1277.9	103.5	3.2
24°	3166.3	3159.8	3127.4	3067.0	2973.2	2794.2	2564.5	2250.7	1287.6	89.5	1.1
25°	3191.1	3194.3	3174.9	3127.4	3048.7	2869.7	2649.7	2334.8	1276.9	76.6	0.0
26°	3192.1	3201.8	3187.8	3160.9	3096.2	2930.1	2729.5	2384.4	1248.8	64.7	0.0
27°	3192.1	3201.8	3187.8	3167.3	3103.7	2964.6	2772.6	2389.8	1205.7	55.0	0.0
28°	3207.2	3212.6	3194.3	3169.5	3100.5	2975.4	2784.5	2357.4	1136.7	47.5	0.0
29°	3249.3	3243.9	3213.7	3180.3	3097.2	2975.4	2748.9	2296.0	1050.4	39.9	0.0
30°	3310.8	3310.8	3263.3	3210.5	3112.3	2974.3	2691.7	2184.9	954.4	32.4	0.0
31°	3393.8	3386.3	3338.8	3260.1	3144.7	2974.3	2607.6	2061.9	866.0	28.0	0.0
32°	3449.9	3445.6	3400.3	3307.5	3197.5	2974.3	2517.0	1926.1	770.0	22.6	0.0
33°	3488.7	3480.1	3428.3	3332.3	3229.9	2959.2	2415.7	1780.5	683.7	18.3	0.0
34°	3483.3	3481.2	3427.2	3328.0	3223.4	2896.6	2298.1	1618.7	603.9	15.1	0.0
35°	3453.1	3453.1	3387.3	3284.9	3177.0	2805.0	2181.7	1480.7	528.4	10.8	0.0
36°	3430.5	3421.8	3347.4	3233.1	3099.4	2660.5	2009.1	1341.6	447.5	8.6	0.0
37°	3397.0	3380.9	3297.8	3174.9	2989.4	2504.1	1827.9	1217.5	378.5	5.4	0.0
38°	3353.9	3329.1	3227.7	3106.9	2868.6	2324.0	1643.5	1078.4	314.9	3.2	0.0
39°	3275.2	3254.7	3150.1	3019.6	2724.1	2134.2	1464.5	947.9	254.5	1.1	0.0
40°	3205.1	3169.5	3050.9	2901.0	2554.8	1919.6	1286.6	819.6	200.6	0.0	0.0
42.5°	2702.5	2664.8	2637.8	2489.0	2035.0	1378.2	898.3	525.2	104.6	0.0	0.0
45°	1832.2	1840.9	1756.8	1656.5	1342.6	898.3	561.9	292.3	53.9	0.0	0.0
47.5°	1336.2	1313.5	1199.2	1009.4	787.3	525.2	293.3	141.3	21.6	0.0	0.0
50°	927.4	884.3	780.8	638.4	428.1	250.2	129.4	65.8	1.1	0.0	0.0
52.5°	503.6	473.4	401.2	291.2	177.9	96.0	51.8	27.0	0.0	0.0	0.0
55°	80.9	56.1	58.2	49.6	38.8	28.0	16.2	3.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2



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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	1.1	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
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°	137.0	137.0	137.0	137.0
2.5°	91.7	62.5	47.5	41.0
5°	52.8	21.6	11.9	10.8
7.5°	25.9	7.5	4.3	4.3
10°	10.8	2.2	0.0	0.0
12.5°	3.2	0.0	0.0	0.0
15°	0.0	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°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)