

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: P1309122

Luminaire Tested: P3SQAS13R309035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

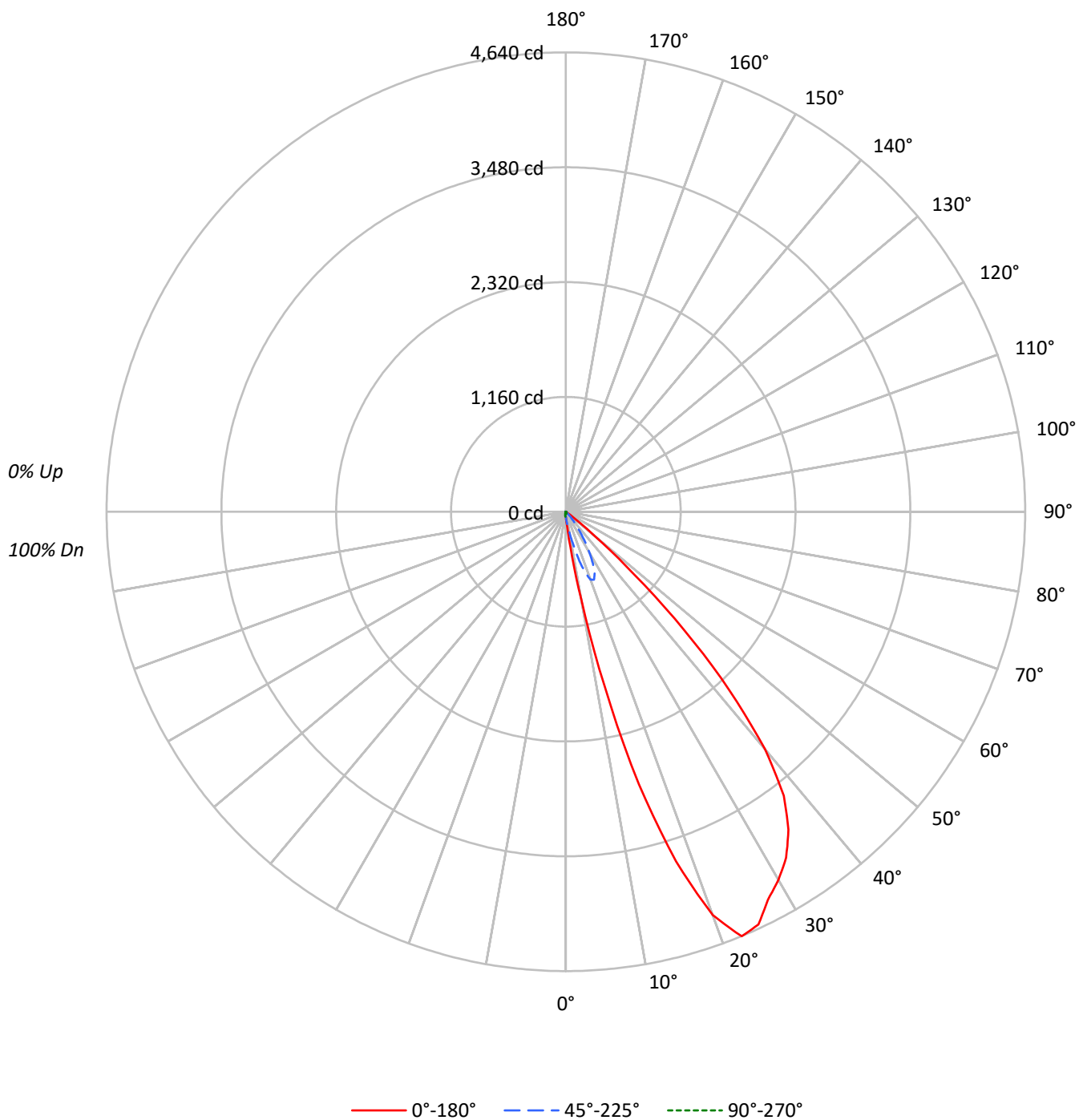
Lumens per Lamp: N/A
Luminaire Lumens: 1094.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8956	8956	8956	8956	8956
5°	26952	17980	8471	3803	3112
10°	156115	38106	6645	1749	1224
15°	507793	86439	4636	357	178
20°	794591	133754	2932	0	0
25°	874218	130700	1520	0	0
30°	853849	94223	597	0	0
35°	824097	53591	210	0	0
40°	702789	22707	0	0	0
45°	412444	8525	244	0	244
50°	100179	1608	268	268	804
55°	8708	0	601	901	1201
60°	344	0	689	1033	1722
65°	408	408	1223	1223	2038
70°	504	504	1511	1511	2014
75°	0	665	1996	1996	1996
80°	0	992	2975	1984	1984
85°	0	1976	5928	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 412444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.9
10°-20°	150.4	13.7
20°-30°	382.1	34.9
30°-40°	380.8	34.8
40°-50°	154.3	14.1
50°-60°	10.7	1.0
60°-70°	2.4	0.2
70°-80°	2.4	0.2
80°-90°	1.4	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°	542.0	49.5
0°-40°	922.9	84.4
0°-60°	1087.8	99.4
0°-90°	1094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	156	104	49	22	18	36
15°	2848	485	26	2	1	829
25°	4600	688	8	0	0	2077
35°	3920	255	1	0	0	2403
45°	1693	35	1	0	1	1292
55°	29	0	2	3	4	76
65°	1	1	3	3	5	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	86.0	87.0	87.0	85.0	84.0	84.0	81.0	80.0	77.0	74.0	64.0
5°	155.9	152.9	149.0	149.0	140.0	135.0	128.0	120.0	114.0	104.0	74.0
7.5°	353.9	329.9	322.9	313.9	279.9	252.9	221.9	194.9	169.9	149.0	82.0
10°	892.7	845.7	806.7	727.8	628.8	533.8	445.9	343.9	273.9	217.9	88.0
12.5°	1798.4	1735.4	1660.4	1516.5	1331.6	1094.6	884.7	660.8	463.8	320.9	90.0
15°	2848.0	2741.1	2624.1	2441.2	2138.3	1798.4	1419.5	1062.6	744.8	484.8	88.0
17.5°	3703.8	3661.8	3488.8	3238.9	2868.0	2430.2	1963.3	1475.5	1004.7	634.8	82.0
20°	4335.5	4306.6	4097.6	3831.7	3413.9	2912.0	2319.2	1733.4	1185.6	729.8	73.0
22.5°	4640.4	4635.4	4484.5	4212.6	3769.7	3200.9	2548.1	1882.4	1241.6	742.8	61.0
25°	4600.5	4618.5	4532.5	4330.6	3905.7	3319.9	2616.1	1882.4	1200.6	687.8	51.0
27.5°	4418.5	4430.5	4376.5	4221.6	3825.7	3233.9	2521.2	1761.4	1081.6	590.8	42.0
30°	4293.6	4298.6	4231.6	4065.6	3645.8	3038.0	2297.2	1537.5	901.7	473.8	31.0
32.5°	4141.6	4140.6	4062.6	3872.7	3409.9	2763.1	2013.3	1270.6	692.8	359.9	18.0
35°	3919.7	3894.7	3788.7	3569.8	3058.0	2393.2	1650.4	967.7	498.8	254.9	11.0
37.5°	3614.8	3549.8	3399.9	3107.0	2564.1	1876.4	1223.6	679.8	340.9	168.9	7.0
40°	3126.0	3057.0	2853.0	2497.2	1939.4	1350.5	824.7	442.9	214.9	101.0	4.0
42.5°	2451.2	2404.2	2129.3	1774.4	1280.6	861.7	495.8	261.9	121.0	58.0	1.0
45°	1693.4	1632.5	1416.5	1115.6	768.7	477.8	277.9	137.0	69.0	35.0	0.0
47.5°	934.7	859.7	734.8	577.8	386.9	250.9	140.0	74.0	39.0	17.0	0.0
50°	373.9	370.9	294.9	209.9	148.0	114.0	70.0	40.0	20.0	6.0	1.0
52.5°	131.0	131.0	113.0	92.0	72.0	52.0	35.0	19.0	7.0	2.0	1.0
55°	29.0	32.0	30.0	28.0	27.0	23.0	15.0	7.0	2.0	0.0	1.0
57.5°	3.0	3.0	3.0	4.0	5.0	5.0	4.0	2.0	0.0	0.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0
62.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
75°	0.0	0.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	3.0
77.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
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):

	90°	112.5°	135°	157.5°	180°
0°	52.0	52.0	52.0	52.0	52.0
2.5°	52.0	41.0	34.0	30.0	29.0
5°	49.0	31.0	22.0	19.0	18.0
7.5°	44.0	23.0	15.0	12.0	11.0
10°	38.0	17.0	10.0	7.0	7.0
12.5°	32.0	13.0	6.0	3.0	2.0
15°	26.0	8.0	2.0	1.0	1.0
17.5°	20.0	5.0	0.0	0.0	0.0
20°	16.0	2.0	0.0	0.0	0.0
22.5°	12.0	1.0	0.0	0.0	0.0
25°	8.0	0.0	0.0	0.0	0.0
27.5°	5.0	0.0	0.0	0.0	0.0
30°	3.0	0.0	0.0	0.0	0.0
32.5°	1.0	0.0	0.0	0.0	0.0
35°	1.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.0	0.0	0.0	1.0	1.0
47.5°	1.0	1.0	1.0	2.0	2.0
50°	1.0	1.0	1.0	2.0	3.0
52.5°	2.0	1.0	2.0	3.0	3.0
55°	2.0	2.0	3.0	4.0	4.0
57.5°	2.0	2.0	3.0	4.0	4.0
60°	2.0	2.0	3.0	4.0	5.0
62.5°	3.0	3.0	3.0	4.0	4.0
65°	3.0	3.0	3.0	4.0	5.0
67.5°	3.0	3.0	3.0	4.0	5.0
70°	3.0	3.0	3.0	4.0	4.0
72.5°	4.0	3.0	3.0	4.0	4.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	2.0	3.0	3.0
80°	3.0	2.0	2.0	2.0	2.0
82.5°	3.0	2.0	2.0	2.0	2.0
85°	3.0	2.0	1.0	1.0	1.0
87.5°	3.0	2.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)