

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: P1312549

Luminaire Tested: P3SQAS17R209727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

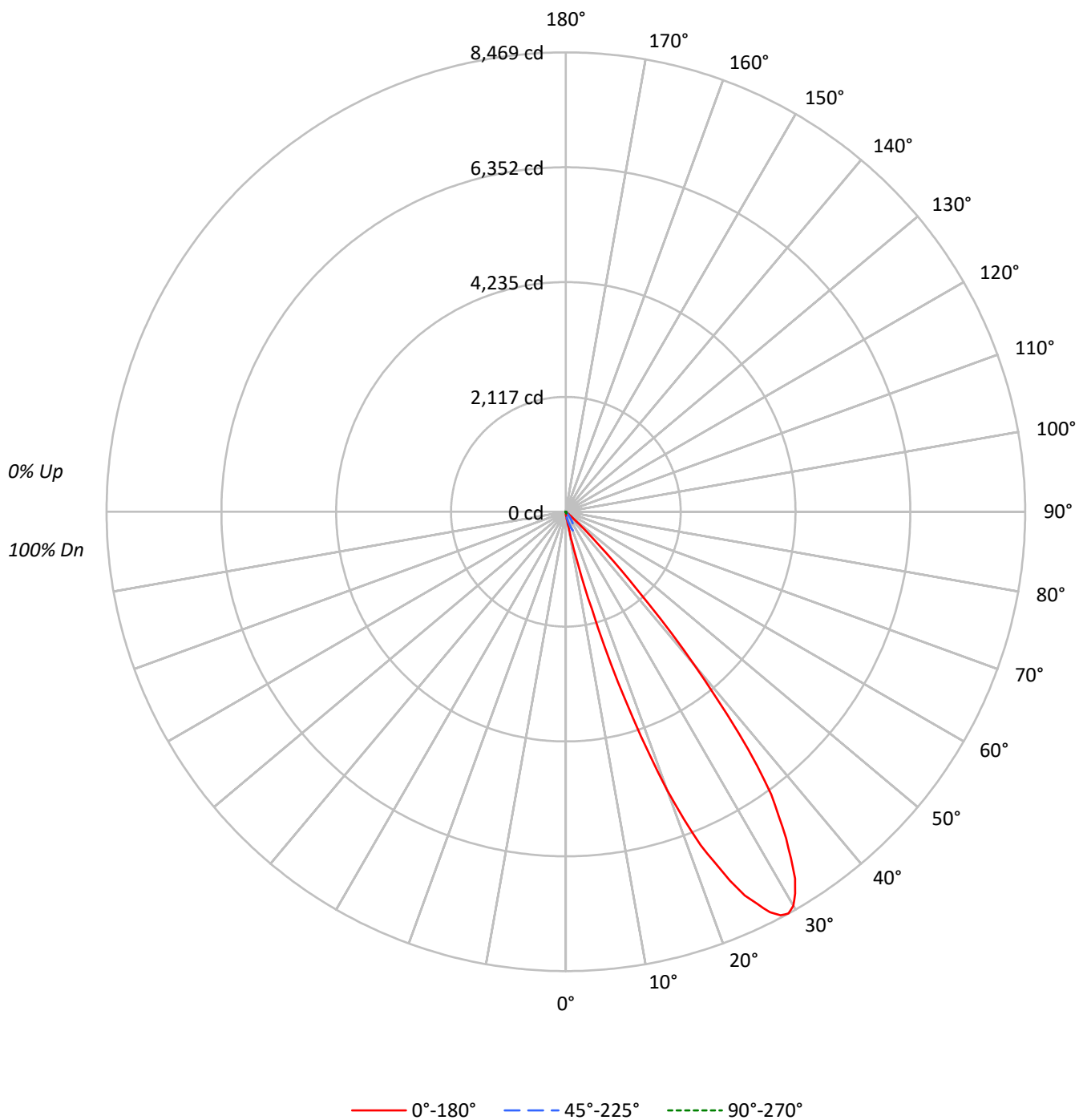
Lumens per Lamp: N/A
Luminaire Lumens: 1188.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	99	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	76	71	79	74	71	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	62	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	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7061	7061	7061	7061	7061
5°	16216	12119	6708	4097	3544
10°	51082	21108	5474	2256	1696
15°	330921	39012	4030	767	196
20°	998723	66767	2767	0	0
25°	1483234	67383	1634	0	0
30°	1667965	51228	636	0	0
35°	1439148	30591	463	0	0
40°	828712	10409	0	0	0
45°	202130	4189	268	0	268
50°	24248	1152	295	295	857
55°	3243	0	661	661	1291
60°	379	0	1102	1102	1860
65°	448	448	1752	1752	2649
70°	554	554	2165	2165	2719
75°	0	732	2861	2129	2861
80°	0	1091	3174	2182	3174
85°	0	2174	6323	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 203445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.5
10°-20°	110.1	9.3
20°-30°	479.9	40.4
30°-40°	483.3	40.7
40°-50°	96.9	8.2
50°-60°	4.9	0.4
60°-70°	3.2	0.3
70°-80°	2.8	0.2
80°-90°	1.5	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°	595.5	50.1
0°-40°	1078.7	90.8
0°-60°	1180.5	99.4
0°-90°	1188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	94	70	39	24	20	15
15°	1856	219	23	4	1	727
25°	7805	355	9	0	0	3519
35°	6845	146	2	0	0	4073
45°	830	17	1	0	1	904
55°	11	0	2	2	4	20
65°	1	1	4	4	6	1
75°	0	1	4	3	4	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	61.4	61.4	60.4	60.4	59.3	60.4	58.2	59.3	59.3	58.2	52.8
5°	93.8	95.9	94.8	94.8	93.8	94.8	92.7	90.5	88.4	88.4	70.1
7.5°	154.1	153.0	150.9	152.0	148.7	146.6	144.4	143.3	136.9	133.6	91.6
10°	292.1	298.5	293.2	292.1	272.7	271.6	258.7	240.3	224.2	215.6	120.7
12.5°	804.0	838.5	784.6	758.8	743.7	685.5	660.7	597.1	535.7	489.3	153.0
15°	1856.0	1941.1	1832.3	1839.8	1749.3	1583.3	1437.8	1312.8	1165.1	1016.4	218.8
17.5°	3636.5	3567.5	3508.2	3408.0	3223.7	2980.1	2666.5	2348.5	2073.7	1785.9	305.0
20°	5449.3	5387.9	5253.2	5034.4	4799.4	4438.4	4065.5	3588.0	3125.6	2692.3	364.3
21°	6073.4	6052.9	5832.0	5697.2	5335.1	4990.2	4560.2	4049.3	3528.7	3015.7	374.0
22°	6630.6	6507.7	6389.2	6189.8	5829.8	5454.7	4976.2	4438.4	3873.6	3303.4	375.1
23°	7016.5	6960.4	6848.3	6623.1	6265.2	5824.4	5320.0	4757.4	4162.5	3507.2	371.8
24°	7443.3	7372.1	7208.3	6945.3	6584.3	6148.8	5573.3	5015.0	4368.3	3678.5	363.2
25°	7805.4	7694.4	7500.4	7216.9	6822.5	6373.0	5794.2	5181.0	4511.7	3793.8	354.6
26°	8040.4	7980.0	7731.0	7422.8	7000.3	6536.8	5946.2	5308.2	4604.4	3846.7	340.6
27°	8285.0	8174.0	7929.4	7574.8	7116.7	6643.5	6032.4	5369.6	4636.7	3848.8	323.3
28°	8425.1	8304.4	8027.4	7654.5	7192.1	6702.8	6082.0	5389.0	4630.2	3815.4	302.9
29°	8469.3	8317.4	8046.8	7667.5	7210.5	6707.1	6074.5	5361.0	4573.1	3733.5	279.1
30°	8387.4	8232.2	7975.7	7606.0	7152.3	6653.2	6004.4	5268.3	4471.8	3616.0	257.6
31°	8208.5	8077.0	7829.1	7458.4	7022.9	6527.1	5846.0	5116.3	4299.3	3458.7	232.8
32°	7972.5	7843.1	7599.6	7264.4	6821.4	6321.3	5629.3	4879.2	4096.7	3223.7	208.0
33°	7617.9	7543.5	7324.7	7004.6	6561.6	6027.0	5338.3	4595.7	3807.9	2962.9	186.5
34°	7259.0	7165.2	7012.2	6661.9	6185.5	5652.0	4958.9	4204.5	3455.4	2670.8	166.0
35°	6845.1	6789.0	6548.7	6268.5	5789.9	5244.6	4555.9	3824.0	3044.8	2345.3	145.5
36°	6444.2	6357.9	6084.2	5787.8	5323.2	4733.7	4053.6	3366.0	2690.2	2040.3	123.9
37°	5862.1	5730.6	5535.6	5223.0	4679.8	4177.5	3556.7	2918.7	2253.7	1710.5	100.2
38°	5177.7	5116.3	4845.8	4531.1	4081.6	3605.2	2990.9	2449.8	1859.2	1428.1	76.5
39°	4370.5	4369.4	4110.7	3883.3	3443.6	3014.6	2460.6	1988.5	1534.8	1150.0	59.3
40°	3686.1	3558.9	3399.4	3113.8	2776.4	2412.1	1927.1	1556.3	1191.0	926.9	46.3
42.5°	1932.5	1921.7	1827.9	1613.5	1424.8	1210.4	962.5	801.9	627.3	510.9	29.1
45°	829.9	835.3	770.6	738.3	665.0	575.5	486.1	405.3	347.1	281.3	17.2
47.5°	210.2	201.5	199.4	206.9	206.9	200.5	180.0	169.2	156.3	143.3	9.7
50°	90.5	88.4	86.2	86.2	80.8	77.6	72.2	65.7	60.4	53.9	4.3
52.5°	33.4	34.5	35.6	34.5	34.5	33.4	33.4	32.3	29.1	25.9	2.2
55°	10.8	10.8	10.8	11.9	11.9	12.9	12.9	12.9	12.9	11.9	0.0
57.5°	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	0.0
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	1.1	0.0	1.1	1.1	0.0	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	47.4	42.0	35.6	30.2	29.1	28.0
5°	52.8	38.8	29.1	23.7	21.6	20.5
7.5°	57.1	35.6	23.7	17.2	15.1	14.0
10°	59.3	31.3	19.4	12.9	9.7	9.7
12.5°	60.4	26.9	14.0	8.6	5.4	5.4
15°	59.3	22.6	10.8	4.3	1.1	1.1
17.5°	53.9	18.3	6.5	1.1	0.0	0.0
20°	46.3	15.1	4.3	0.0	0.0	0.0
21°	44.2	12.9	3.2	0.0	0.0	0.0
22°	41.0	11.9	2.2	0.0	0.0	0.0
23°	37.7	10.8	2.2	0.0	0.0	0.0
24°	34.5	9.7	1.1	0.0	0.0	0.0
25°	32.3	8.6	1.1	0.0	0.0	0.0
26°	30.2	7.5	1.1	0.0	0.0	0.0
27°	26.9	6.5	0.0	0.0	0.0	0.0
28°	24.8	5.4	0.0	0.0	0.0	0.0
29°	21.6	4.3	0.0	0.0	0.0	0.0
30°	18.3	3.2	0.0	0.0	0.0	0.0
31°	15.1	3.2	0.0	0.0	0.0	0.0
32°	12.9	2.2	0.0	0.0	0.0	0.0
33°	10.8	2.2	0.0	0.0	0.0	0.0
34°	9.7	2.2	0.0	0.0	0.0	0.0
35°	8.6	2.2	0.0	0.0	0.0	0.0
36°	6.5	1.1	0.0	0.0	0.0	0.0
37°	5.4	1.1	0.0	0.0	0.0	0.0
38°	4.3	1.1	0.0	0.0	0.0	0.0
39°	3.2	0.0	0.0	0.0	0.0	0.0
40°	3.2	0.0	0.0	0.0	0.0	0.0
42.5°	1.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.1	0.0	0.0	1.1	1.1
47.5°	0.0	1.1	0.0	0.0	1.1	2.2
50°	0.0	1.1	1.1	1.1	2.2	3.2
52.5°	0.0	2.2	1.1	1.1	3.2	3.2
55°	1.1	2.2	1.1	2.2	4.3	4.3
57.5°	1.1	2.2	2.2	3.2	4.3	5.4
60°	2.2	3.2	3.2	3.2	5.4	5.4
62.5°	2.2	3.2	4.3	4.3	5.4	6.5
65°	2.2	4.3	4.3	4.3	5.4	6.5
67.5°	3.2	4.3	4.3	4.3	5.4	6.5
70°	3.2	4.3	4.3	4.3	5.4	5.4
72.5°	3.2	4.3	3.2	4.3	4.3	5.4
75°	3.2	4.3	3.2	3.2	4.3	4.3
77.5°	2.2	3.2	3.2	2.2	3.2	3.2
80°	2.2	3.2	2.2	2.2	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.2	3.2	2.2	1.1	2.2	2.2
85°	2.2	3.2	2.2	1.1	1.1	1.1
87.5°	2.2	3.2	2.2	1.1	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)