

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: P1313693

Luminaire Tested: P3SQAS20R259730D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259730D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

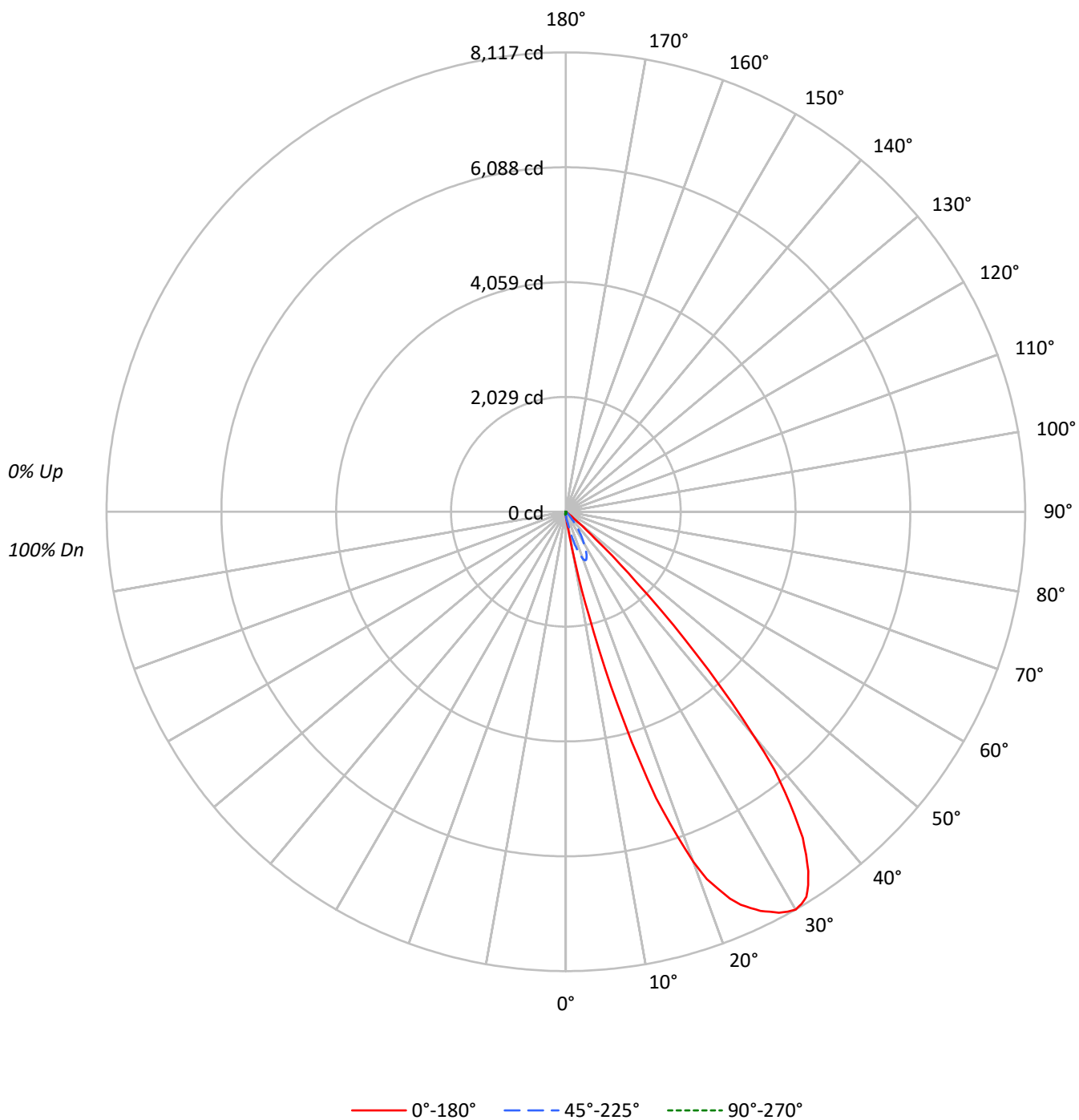
Lumens per Lamp: N/A
Luminaire Lumens: 1623.9 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	104	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	42	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°	12004	12004	12004	12004	12004
5°	30116	22267	11272	5757	4460
10°	131702	37896	9269	2658	1854
15°	626236	102129	6490	1088	802
20°	1205495	163573	4160	275	275
25°	1468165	164981	2299	0	0
30°	1614192	126260	895	0	0
35°	1555561	80272	315	0	0
40°	1162300	34757	0	0	337
45°	430297	9231	365	365	1096
50°	50746	1206	804	804	1634
55°	5014	0	901	1351	2282
60°	517	0	1550	2101	2618
65°	611	611	2486	3097	3708
70°	755	755	3072	3072	4582
75°	998	998	2994	2994	4059
80°	0	1488	4463	2975	4463
85°	0	2964	8892	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 430297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.6
10°-20°	189.3	11.7
20°-30°	594.3	36.6
30°-40°	625.6	38.5
40°-50°	183.8	11.3
50°-60°	9.8	0.6
60°-70°	4.8	0.3
70°-80°	4.1	0.3
80°-90°	2.1	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°	793.7	48.9
0°-40°	1419.3	87.4
0°-60°	1613.0	99.3
0°-90°	1623.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1623.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	174	129	65	33	26	31
15°	3512	573	36	6	4	1107
25°	7726	868	12	0	0	3544
35°	7399	382	2	0	0	4465
45°	1767	38	2	2	4	1605
55°	17	0	3	4	8	42
65°	2	2	6	8	9	1
75°	2	2	4	4	6	1
85°	0	2	4	2	2	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°	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
2.5°	107.6	109.1	104.5	107.6	104.5	103.0	101.5	93.9	81.8	69.7	57.6
5°	174.2	174.2	166.7	165.2	162.1	156.1	150.0	128.8	92.4	65.2	45.5
7.5°	272.7	271.2	268.2	260.6	245.5	230.3	215.2	168.2	101.5	60.6	34.8
10°	753.1	742.5	728.8	647.0	554.6	472.7	401.5	216.7	109.1	53.0	25.8
12.5°	1871.3	1810.7	1666.7	1503.1	1294.0	1074.3	859.1	353.0	112.1	43.9	18.2
15°	3512.3	3386.5	3162.2	2835.0	2407.7	1927.4	1518.2	572.8	109.1	36.4	13.6
17.5°	5303.2	5182.0	4871.4	4374.4	3745.6	3007.7	2283.4	759.1	101.5	30.3	9.1
20°	6577.5	6448.7	6157.8	5630.5	4950.2	3966.8	3006.2	892.5	95.5	22.7	4.5
21°	6950.3	6821.5	6513.9	6004.8	5289.6	4303.2	3238.0	915.2	90.9	19.7	3.0
22°	7186.7	7110.9	6780.6	6286.6	5557.8	4572.9	3436.5	925.8	87.9	18.2	3.0
23°	7424.5	7310.9	7001.8	6480.6	5762.4	4772.9	3583.5	918.2	84.9	15.2	1.5
24°	7600.3	7504.8	7145.7	6630.6	5904.8	4895.7	3669.8	898.5	80.3	13.6	1.5
25°	7726.1	7638.2	7263.9	6732.1	6000.2	4962.3	3697.1	868.2	75.8	12.1	1.5
26°	7845.8	7750.3	7362.4	6791.2	6050.2	4983.5	3671.4	834.9	71.2	10.6	0.0
27°	7932.1	7835.2	7430.6	6826.0	6053.3	4957.8	3601.7	789.4	66.7	9.1	0.0
28°	8024.6	7912.4	7477.6	6845.7	6035.1	4897.2	3501.7	740.9	63.6	7.6	0.0
29°	8080.6	7974.6	7526.1	6866.9	5997.2	4795.6	3356.2	683.4	56.1	4.5	0.0
30°	8117.0	7991.2	7521.5	6844.2	5947.2	4686.6	3181.9	634.9	48.5	4.5	0.0
31°	8086.7	7954.9	7473.0	6780.6	5866.9	4544.1	3003.2	574.3	39.4	3.0	0.0
32°	8021.5	7865.5	7388.2	6670.0	5723.0	4360.8	2818.3	524.3	28.8	3.0	0.0
33°	7862.4	7730.6	7235.1	6521.5	5535.1	4112.3	2577.4	475.8	19.7	1.5	0.0
34°	7662.4	7530.6	7026.0	6323.0	5283.5	3791.1	2284.9	425.8	16.7	1.5	0.0
35°	7398.8	7268.5	6789.7	6045.7	4950.2	3404.7	1983.4	381.8	13.6	1.5	0.0
36°	7121.5	6948.8	6491.2	5750.2	4503.2	2965.3	1660.7	331.8	10.6	1.5	0.0
37°	6713.9	6597.2	6089.6	5300.2	4019.9	2544.0	1425.8	286.4	7.6	1.5	0.0
38°	6291.2	6183.6	5688.1	4847.2	3480.4	2127.4	1194.0	242.4	6.1	0.0	0.0
39°	5854.8	5676.0	5186.6	4266.8	2915.3	1781.9	1004.6	203.0	3.0	0.0	0.0
40°	5169.9	5033.5	4510.8	3569.8	2412.2	1444.0	856.1	154.6	3.0	0.0	0.0
42.5°	3427.4	3300.1	2751.6	1936.4	1281.9	844.0	565.2	60.6	0.0	1.5	0.0
45°	1766.7	1686.4	1369.8	1013.7	727.3	518.2	363.7	37.9	0.0	1.5	1.5
47.5°	701.5	687.9	621.2	536.4	413.7	307.6	198.5	16.7	0.0	1.5	1.5
50°	189.4	190.9	178.8	165.2	150.0	140.9	83.3	4.5	0.0	3.0	1.5
52.5°	80.3	81.8	78.8	74.2	66.7	50.0	33.3	1.5	1.5	3.0	3.0
55°	16.7	18.2	19.7	21.2	24.2	21.2	13.6	0.0	1.5	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	4.5	4.5	3.0	0.0	1.5	3.0	4.5
60°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	3.0	4.5	4.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	6.1
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.1	6.1
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.1	6.1
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.1	6.1
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.1	4.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	4.5	4.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5	4.5
80°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0	4.5	3.0



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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	1.5	1.5	3.0	4.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	3.0
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):

	135°	157.5°	180°
0°	69.7	69.7	69.7
2.5°	48.5	43.9	42.4
5°	33.3	28.8	25.8
7.5°	22.7	18.2	16.7
10°	15.2	12.1	10.6
12.5°	10.6	6.1	6.1
15°	6.1	4.5	4.5
17.5°	3.0	1.5	1.5
20°	1.5	1.5	1.5
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	1.5
39°	0.0	1.5	1.5
40°	0.0	1.5	1.5
42.5°	0.0	1.5	3.0
45°	1.5	3.0	4.5
47.5°	3.0	4.5	6.1
50°	3.0	6.1	6.1
52.5°	4.5	6.1	7.6
55°	4.5	7.6	7.6
57.5°	6.1	7.6	9.1
60°	6.1	7.6	7.6
62.5°	6.1	9.1	9.1
65°	7.6	9.1	9.1
67.5°	7.6	9.1	9.1
70°	6.1	7.6	9.1
72.5°	6.1	7.6	7.6
75°	4.5	6.1	6.1
77.5°	4.5	4.5	6.1
80°	3.0	4.5	4.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.0	3.0	3.0
85°	1.5	1.5	1.5
87.5°	1.5	1.5	1.5
90°	0.0	0.0	0.0

(END OF REPORT)