

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: P1312721

Luminaire Tested: P3SQAS20R259727D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312721
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: P3SQAS20R259727D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

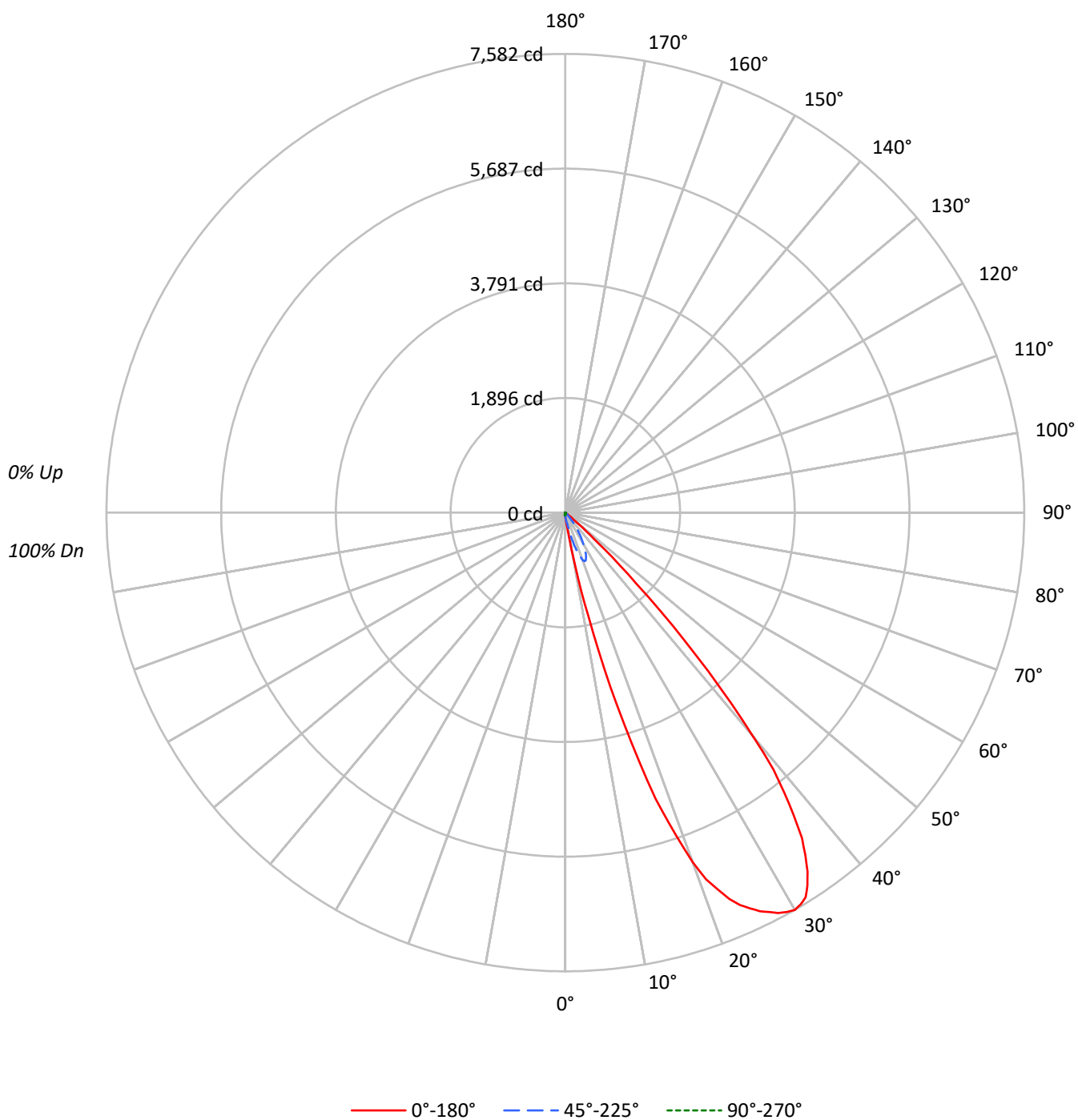
Lumens per Lamp: N/A
Luminaire Lumens: 1516.9 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	11212	11212	11212	11212	11212
5°	28145	20798	10528	5377	4166
10°	123010	35396	8657	2483	1731
15°	584978	95389	6062	1016	749
20°	1126081	152797	3885	257	257
25°	1371422	154112	2147	0	0
30°	1507839	117927	835	0	0
35°	1453066	74994	294	0	0
40°	1085727	32464	0	0	315
45°	401946	8622	341	341	1023
50°	47397	1125	750	750	1527
55°	4684	0	841	1261	2132
60°	482	0	1447	1963	2446
65°	571	571	2323	2893	3464
70°	705	705	2870	2870	4280
75°	932	932	2795	2795	3793
80°	0	1389	4166	2777	4166
85°	0	2766	8299	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 401946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.6
10°-20°	176.9	11.7
20°-30°	555.1	36.6
30°-40°	584.4	38.5
40°-50°	171.7	11.3
50°-60°	9.2	0.6
60°-70°	4.5	0.3
70°-80°	3.8	0.3
80°-90°	2.0	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°	741.4	48.9
0°-40°	1325.8	87.4
0°-60°	1506.7	99.3
0°-90°	1516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	163	120	61	31	24	29
15°	3281	535	34	6	4	1034
25°	7217	811	11	0	0	3310
35°	6911	357	1	0	0	4170
45°	1650	35	1	1	4	1500
55°	16	0	3	4	7	40
65°	1	1	6	7	8	1
75°	1	1	4	4	6	1
85°	0	1	4	1	1	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°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	100.5	101.9	97.7	100.5	97.7	96.2	94.8	87.8	76.4	65.1	53.8
5°	162.8	162.8	155.7	154.3	151.4	145.8	140.1	120.3	86.3	60.9	42.5
7.5°	254.8	253.4	250.5	243.4	229.3	215.1	201.0	157.1	94.8	56.6	32.6
10°	703.4	693.5	680.8	604.4	518.0	441.6	375.1	202.4	101.9	49.5	24.1
12.5°	1748.0	1691.4	1556.9	1404.1	1208.7	1003.5	802.5	329.8	104.7	41.0	17.0
15°	3280.9	3163.4	2953.9	2648.2	2249.0	1800.4	1418.2	535.0	101.9	34.0	12.7
17.5°	4953.8	4840.6	4550.4	4086.2	3498.8	2809.5	2133.0	709.1	94.8	28.3	8.5
20°	6144.2	6023.9	5752.1	5259.6	4624.0	3705.5	2808.1	833.7	89.2	21.2	4.2
21°	6492.3	6372.0	6084.7	5609.2	4941.1	4019.7	3024.7	854.9	84.9	18.4	2.8
22°	6713.1	6642.4	6333.8	5872.4	5191.6	4271.6	3210.1	864.8	82.1	17.0	2.8
23°	6935.4	6829.2	6540.5	6053.6	5382.7	4458.4	3347.4	857.7	79.3	14.2	1.4
24°	7099.5	7010.4	6674.9	6193.7	5515.7	4573.1	3428.1	839.3	75.0	12.7	1.4
25°	7217.0	7134.9	6785.3	6288.5	5604.9	4635.4	3453.5	811.0	70.8	11.3	1.4
26°	7328.8	7239.7	6877.3	6343.7	5651.6	4655.2	3429.5	779.9	66.5	9.9	0.0
27°	7409.5	7318.9	6941.0	6376.3	5654.4	4631.1	3364.4	737.4	62.3	8.5	0.0
28°	7495.9	7391.1	6984.9	6394.7	5637.5	4574.5	3270.9	692.1	59.4	7.1	0.0
29°	7548.2	7449.1	7030.2	6414.5	5602.1	4479.7	3135.1	638.3	52.4	4.2	0.0
30°	7582.2	7464.7	7025.9	6393.3	5555.4	4377.8	2972.3	593.0	45.3	4.2	0.0
31°	7553.9	7430.7	6980.7	6333.8	5480.4	4244.7	2805.3	536.4	36.8	2.8	0.0
32°	7493.0	7347.2	6901.4	6230.5	5345.9	4073.5	2632.6	489.7	26.9	2.8	0.0
33°	7344.4	7221.3	6758.4	6091.8	5170.4	3841.3	2407.6	444.4	18.4	1.4	0.0
34°	7157.6	7034.4	6563.1	5906.4	4935.4	3541.3	2134.4	397.7	15.6	1.4	0.0
35°	6911.3	6789.6	6342.3	5647.4	4624.0	3180.4	1852.7	356.7	12.7	1.4	0.0
36°	6652.3	6490.9	6063.5	5371.4	4206.5	2769.9	1551.3	310.0	9.9	1.4	0.0
37°	6271.5	6162.6	5688.4	4951.0	3755.0	2376.4	1331.9	267.5	7.1	1.4	0.0
38°	5876.7	5776.2	5313.3	4527.8	3251.1	1987.2	1115.3	226.5	5.7	0.0	0.0
39°	5469.0	5302.0	4844.8	3985.7	2723.2	1664.5	938.4	189.7	2.8	0.0	0.0
40°	4829.3	4701.9	4213.6	3334.6	2253.3	1348.9	799.7	144.4	2.8	0.0	0.0
42.5°	3201.6	3082.7	2570.3	1808.9	1197.4	788.4	527.9	56.6	0.0	1.4	0.0
45°	1650.3	1575.3	1279.5	946.9	679.4	484.1	339.7	35.4	0.0	1.4	1.4
47.5°	655.3	642.6	580.3	501.0	386.4	287.3	185.4	15.6	0.0	1.4	1.4
50°	176.9	178.3	167.0	154.3	140.1	131.6	77.8	4.2	0.0	2.8	1.4
52.5°	75.0	76.4	73.6	69.4	62.3	46.7	31.1	1.4	1.4	2.8	2.8
55°	15.6	17.0	18.4	19.8	22.6	19.8	12.7	0.0	1.4	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	4.2	4.2	2.8	0.0	1.4	2.8	4.2
60°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8	4.2	4.2
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.7
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.7	5.7
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.7	5.7
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.7	5.7
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.7	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	4.2	4.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	4.2
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	2.8



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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	1.4	1.4	2.8	4.2	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	2.8
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):

	135°	157.5°	180°
0°	65.1	65.1	65.1
2.5°	45.3	41.0	39.6
5°	31.1	26.9	24.1
7.5°	21.2	17.0	15.6
10°	14.2	11.3	9.9
12.5°	9.9	5.7	5.7
15°	5.7	4.2	4.2
17.5°	2.8	1.4	1.4
20°	1.4	1.4	1.4
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	1.4
39°	0.0	1.4	1.4
40°	0.0	1.4	1.4
42.5°	0.0	1.4	2.8
45°	1.4	2.8	4.2
47.5°	2.8	4.2	5.7
50°	2.8	5.7	5.7
52.5°	4.2	5.7	7.1
55°	4.2	7.1	7.1
57.5°	5.7	7.1	8.5
60°	5.7	7.1	7.1
62.5°	5.7	8.5	8.5
65°	7.1	8.5	8.5
67.5°	7.1	8.5	8.5
70°	5.7	7.1	8.5
72.5°	5.7	7.1	7.1
75°	4.2	5.7	5.7
77.5°	4.2	4.2	5.7
80°	2.8	4.2	4.2

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.8	2.8	2.8
85°	1.4	1.4	1.4
87.5°	1.4	1.4	1.4
90°	0.0	0.0	0.0

(END OF REPORT)