

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: P1308290

Luminaire Tested: P3SQAS20R259030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308290
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: P3SQAS20R259030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

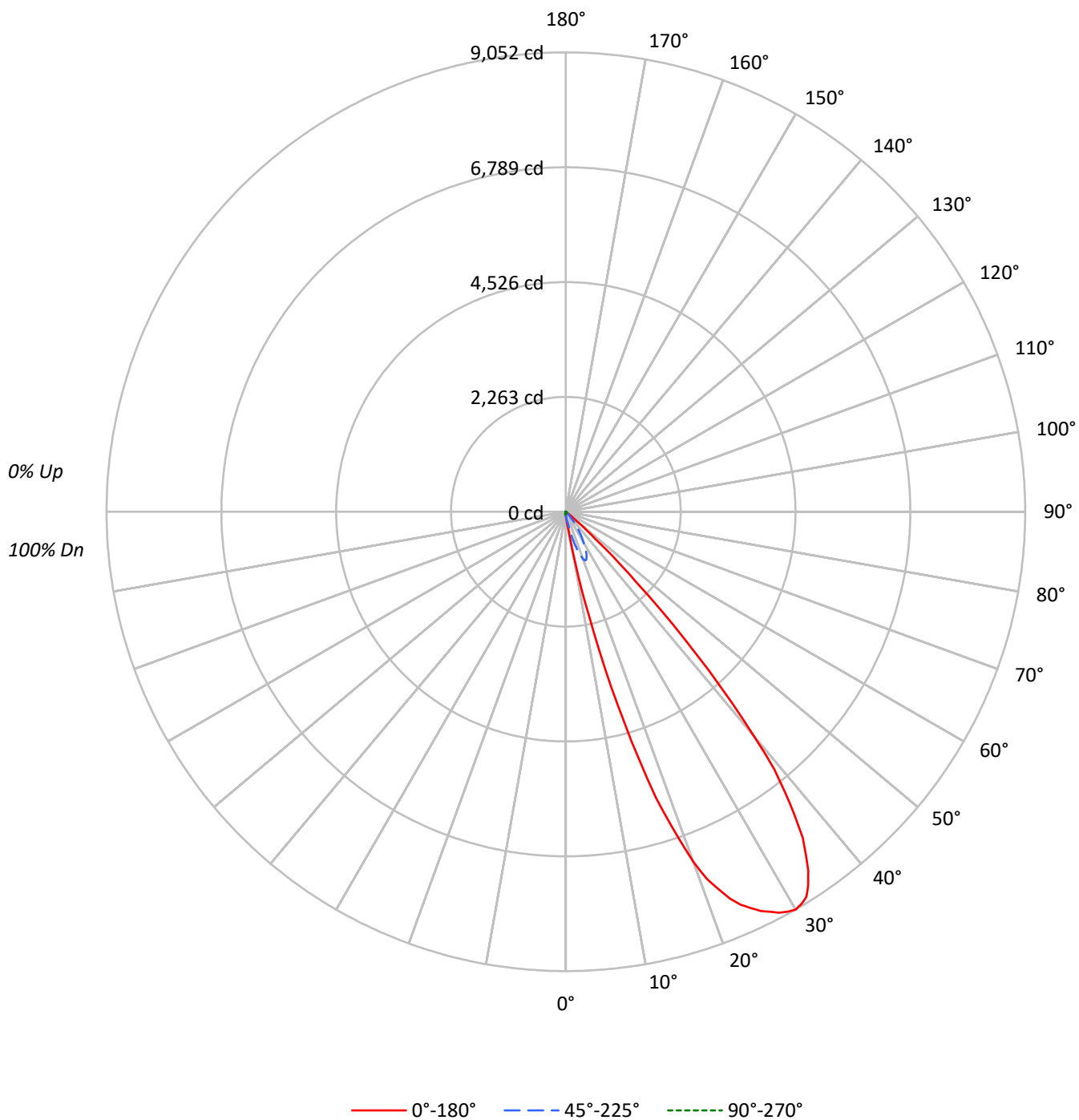
Lumens per Lamp: N/A
Luminaire Lumens: 1811.1 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13382	13382	13382	13382	13382
5°	33591	24826	12568	6431	4962
10°	146864	42251	10335	2955	2064
15°	698340	113879	7239	1212	909
20°	1344308	182396	4637	312	312
25°	1637213	183984	2565	0	0
30°	1800052	140797	1014	0	0
35°	1734669	89522	357	0	0
40°	1296136	38737	0	0	382
45°	479861	10278	414	414	1242
50°	56587	1366	911	911	1822
55°	5585	0	1021	1531	2522
60°	586	0	1757	2342	2893
65°	693	693	2771	3423	4116
70°	856	856	3424	3424	5086
75°	1131	1131	3394	3394	4525
80°	0	1686	5058	3372	5058
85°	0	3359	10078	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 479861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.6
10°-20°	211.1	11.7
20°-30°	662.7	36.6
30°-40°	697.6	38.5
40°-50°	205.0	11.3
50°-60°	11.0	0.6
60°-70°	5.3	0.3
70°-80°	4.6	0.3
80°-90°	2.4	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°	885.2	48.9
0°-40°	1582.8	87.4
0°-60°	1798.7	99.3
0°-90°	1811.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1811.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	78	78	78	78	78	
5°	194	144	73	37	29	35
15°	3917	639	41	7	5	1235
25°	8616	968	14	0	0	3952
35°	8251	426	2	0	0	4979
45°	1970	42	2	2	5	1790
55°	19	0	3	5	8	47
65°	2	2	7	8	10	2
75°	2	2	5	5	7	1
85°	0	2	5	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°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2.5°	120.0	121.7	116.6	120.0	116.6	114.9	113.2	104.8	91.2	77.7	64.2
5°	194.3	194.3	185.9	184.2	180.8	174.0	167.3	143.6	103.1	72.7	50.7
7.5°	304.1	302.5	299.1	290.6	273.7	256.8	239.9	187.6	113.2	67.6	38.9
10°	839.8	827.9	812.7	721.5	618.4	527.2	447.8	241.6	121.7	59.1	28.7
12.5°	2086.8	2019.2	1858.7	1676.2	1443.0	1198.0	958.1	393.7	125.0	49.0	20.3
15°	3916.7	3776.4	3526.4	3161.4	2684.9	2149.3	1693.1	638.7	121.7	40.6	15.2
17.5°	5913.9	5778.7	5432.3	4878.1	4176.9	3354.0	2546.4	846.5	113.2	33.8	10.1
20°	7334.9	7191.3	6866.9	6278.9	5520.2	4423.6	3352.3	995.2	106.5	25.3	5.1
21°	7750.6	7607.0	7264.0	6696.2	5898.7	4798.7	3610.9	1020.6	101.4	22.0	3.4
22°	8014.2	7929.7	7561.3	7010.5	6197.8	5099.5	3832.2	1032.4	98.0	20.3	3.4
23°	8279.5	8152.7	7808.0	7226.8	6425.9	5322.5	3996.1	1023.9	94.6	16.9	1.7
24°	8475.5	8369.0	7968.6	7394.1	6584.7	5459.4	4092.4	1002.0	89.6	15.2	1.7
25°	8615.7	8517.7	8100.4	7507.3	6691.2	5533.7	4122.8	968.2	84.5	13.5	1.7
26°	8749.2	8642.7	8210.2	7573.2	6746.9	5557.4	4094.1	931.0	79.4	11.8	0.0
27°	8845.5	8737.4	8286.2	7612.0	6750.3	5528.7	4016.4	880.3	74.3	10.1	0.0
28°	8948.6	8823.5	8338.6	7634.0	6730.0	5461.1	3904.9	826.3	71.0	8.4	0.0
29°	9011.1	8892.8	8392.7	7657.7	6687.8	5347.9	3742.7	762.0	62.5	5.1	0.0
30°	9051.6	8911.4	8387.6	7632.3	6632.0	5226.2	3548.3	708.0	54.1	5.1	0.0
31°	9017.9	8870.9	8333.5	7561.3	6542.5	5067.4	3349.0	640.4	43.9	3.4	0.0
32°	8945.2	8771.2	8238.9	7438.0	6381.9	4862.9	3142.8	584.6	32.1	3.4	0.0
33°	8767.8	8620.8	8068.3	7272.4	6172.4	4585.8	2874.2	530.6	22.0	1.7	0.0
34°	8544.7	8397.7	7835.1	7051.1	5891.9	4227.6	2548.0	474.8	18.6	1.7	0.0
35°	8250.7	8105.4	7571.5	6741.8	5520.2	3796.7	2211.8	425.8	15.2	1.7	0.0
36°	7941.5	7748.9	7238.6	6412.4	5021.7	3306.7	1851.9	370.0	11.8	1.7	0.0
37°	7487.0	7356.9	6790.8	5910.5	4482.7	2837.0	1590.0	319.4	8.4	1.7	0.0
38°	7015.6	6895.6	6343.1	5405.3	3881.2	2372.3	1331.5	270.3	6.8	0.0	0.0
39°	6528.9	6329.6	5783.8	4758.2	3251.0	1987.1	1120.3	226.4	3.4	0.0	0.0
40°	5765.2	5613.1	5030.2	3980.9	2690.0	1610.3	954.7	172.3	3.4	0.0	0.0
42.5°	3822.1	3680.1	3068.5	2159.4	1429.5	941.2	630.3	67.6	0.0	1.7	0.0
45°	1970.2	1880.6	1527.5	1130.4	811.0	577.9	405.5	42.2	0.0	1.7	1.7
47.5°	782.3	767.1	692.8	598.1	461.3	343.0	221.3	18.6	0.0	1.7	1.7
50°	211.2	212.9	199.4	184.2	167.3	157.1	92.9	5.1	0.0	3.4	1.7
52.5°	89.6	91.2	87.9	82.8	74.3	55.8	37.2	1.7	1.7	3.4	3.4
55°	18.6	20.3	22.0	23.7	27.0	23.7	15.2	0.0	1.7	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	5.1	5.1	3.4	0.0	1.7	3.4	5.1
60°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	3.4	5.1	5.1
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	6.8	6.8
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	6.8	6.8
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	6.8	6.8
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	6.8	5.1
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	5.1	5.1
77.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.4	5.1	5.1
80°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.4	5.1	3.4



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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	1.7	1.7	3.4	5.1	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	3.4
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°	77.7	77.7	77.7
2.5°	54.1	49.0	47.3
5°	37.2	32.1	28.7
7.5°	25.3	20.3	18.6
10°	16.9	13.5	11.8
12.5°	11.8	6.8	6.8
15°	6.8	5.1	5.1
17.5°	3.4	1.7	1.7
20°	1.7	1.7	1.7
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	1.7
39°	0.0	1.7	1.7
40°	0.0	1.7	1.7
42.5°	0.0	1.7	3.4
45°	1.7	3.4	5.1
47.5°	3.4	5.1	6.8
50°	3.4	6.8	6.8
52.5°	5.1	6.8	8.4
55°	5.1	8.4	8.4
57.5°	6.8	8.4	10.1
60°	6.8	8.4	8.4
62.5°	6.8	10.1	10.1
65°	8.4	10.1	10.1
67.5°	8.4	10.1	10.1
70°	6.8	8.4	10.1
72.5°	6.8	8.4	8.4
75°	5.1	6.8	6.8
77.5°	5.1	5.1	6.8
80°	3.4	5.1	5.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.4	3.4	3.4
85°	1.7	1.7	1.7
87.5°	1.7	1.7	1.7
90°	0.0	0.0	0.0

(END OF REPORT)