

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: P1317568

Luminaire Tested: P3SQAS02R359835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

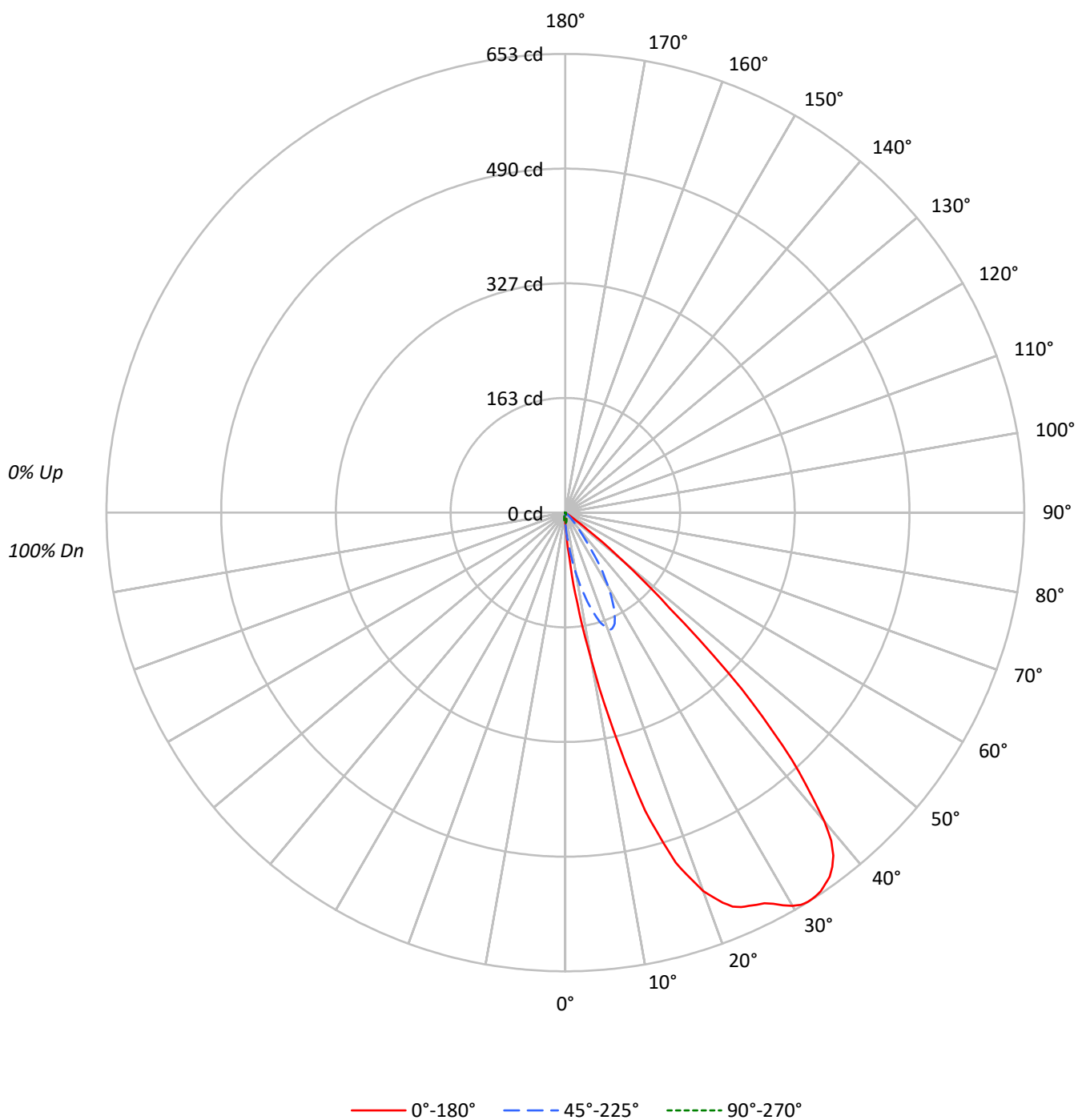
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2532	2532	2532	2532	2532
5°	10995	6811	2351	830	571
10°	37022	15389	1749	192	70
15°	78344	25247	1088	0	0
20°	105054	32256	513	0	0
25°	117398	31677	114	0	0
30°	128527	24262	0	0	0
35°	135650	13224	0	0	0
40°	128935	5935	0	0	0
45°	86537	2630	0	0	0
50°	28910	241	0	0	0
55°	1561	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	1.6
10°-20°	27.1	13.9
20°-30°	59.4	30.4
30°-40°	68.7	35.2
40°-50°	33.9	17.4
50°-60°	2.5	1.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	89.6	45.9
0°-40°	158.2	81.1
0°-60°	194.6	99.8
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	64	39	14	5	3	11
15°	439	142	6	0	0	124
25°	618	167	1	0	0	286
35°	645	63	0	0	0	398
45°	355	11	0	0	0	261
55°	5	0	0	0	0	21
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	29.2	30.0	29.6	29.6	29.4	28.5	26.8	26.2	24.2	19.2	14.9
5°	63.6	63.8	63.3	60.5	58.0	55.8	51.0	48.7	39.4	23.4	13.6
7.5°	129.1	126.3	122.8	118.9	110.3	102.5	92.3	81.5	61.0	27.2	12.1
10°	211.7	207.8	204.8	195.5	180.1	164.1	144.5	126.9	88.0	29.8	10.0
12.5°	318.3	316.1	305.5	286.9	264.0	240.9	206.9	178.8	115.2	30.3	8.2
15°	439.4	435.7	419.5	393.1	362.0	325.7	280.2	232.9	141.6	28.6	6.1
17.5°	522.2	520.1	506.2	478.5	442.8	396.6	342.7	283.7	163.3	25.1	4.3
20°	573.2	570.2	557.2	533.7	496.3	448.1	384.2	316.1	176.0	20.6	2.8
21°	586.4	583.4	573.0	548.6	512.9	461.2	395.5	323.9	178.4	18.6	2.2
22°	598.8	595.9	584.9	563.3	528.0	474.0	404.4	329.8	178.0	16.9	1.7
23°	609.2	606.1	595.3	575.4	539.9	485.4	411.1	332.8	175.6	15.3	1.3
24°	614.6	612.8	603.1	584.3	549.5	493.4	415.8	333.9	172.6	13.6	0.9
25°	617.8	615.6	606.1	588.8	555.9	499.7	418.8	333.0	166.7	12.1	0.6
26°	621.2	617.8	607.0	590.3	559.2	502.7	418.9	330.6	160.4	10.8	0.2
27°	624.1	621.0	609.8	591.4	559.8	501.7	417.5	325.9	152.7	9.5	0.2
28°	630.6	627.1	614.3	593.8	560.3	499.3	412.8	319.6	142.7	8.4	0.0
29°	639.2	635.5	620.8	599.6	561.6	496.7	406.5	311.2	133.9	7.4	0.0
30°	646.3	642.9	629.3	606.8	565.0	494.3	399.0	299.9	122.0	6.3	0.0
31°	651.5	648.1	635.7	613.0	567.9	492.0	389.7	288.2	111.2	5.6	0.0
32°	652.8	650.0	638.3	615.6	567.9	488.7	381.2	275.0	100.6	4.7	0.0
33°	652.2	649.4	637.5	613.7	562.9	480.7	370.8	259.1	88.6	4.1	0.0
34°	650.2	646.8	634.2	607.8	553.1	467.1	355.7	243.3	75.9	3.3	0.0
35°	645.2	642.2	628.4	596.6	537.8	446.5	335.6	225.1	62.9	2.8	0.0
36°	640.3	635.9	618.9	582.8	517.7	425.3	311.6	204.1	51.7	2.2	0.0
37°	631.4	625.1	607.9	562.9	489.3	395.3	284.3	181.0	43.3	1.7	0.0
38°	619.5	610.9	589.2	539.9	460.6	367.2	258.6	160.2	36.5	1.1	0.0
39°	601.1	591.0	561.4	508.2	427.5	334.7	229.2	138.0	31.1	0.7	0.0
40°	573.5	564.0	531.3	470.7	394.6	298.8	199.1	113.1	26.4	0.4	0.0
42.5°	477.5	464.5	426.6	366.3	291.7	214.9	131.7	62.9	17.5	0.0	0.0
45°	355.3	343.8	306.6	251.7	194.4	131.5	70.5	37.0	10.8	0.0	0.0
47.5°	200.7	199.4	175.2	144.5	108.5	69.9	35.7	22.3	4.7	0.0	0.0
50°	107.9	101.2	87.2	66.2	45.2	30.5	19.3	12.3	0.9	0.0	0.0
52.5°	39.4	38.1	32.0	26.6	20.5	14.0	9.9	5.4	0.0	0.0	0.0
55°	5.2	4.8	5.0	5.4	5.6	4.8	3.2	1.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
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):

	112.5°	135°	157.5°	180°
0°	14.7	14.7	14.7	14.7
2.5°	11.3	8.7	7.4	7.3
5°	7.8	4.8	3.5	3.3
7.5°	5.4	2.4	1.7	1.5
10°	3.2	1.1	0.6	0.4
12.5°	1.9	0.2	0.0	0.0
15°	0.6	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)