

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: P1316708

Luminaire Tested: P3SQAS02R409830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

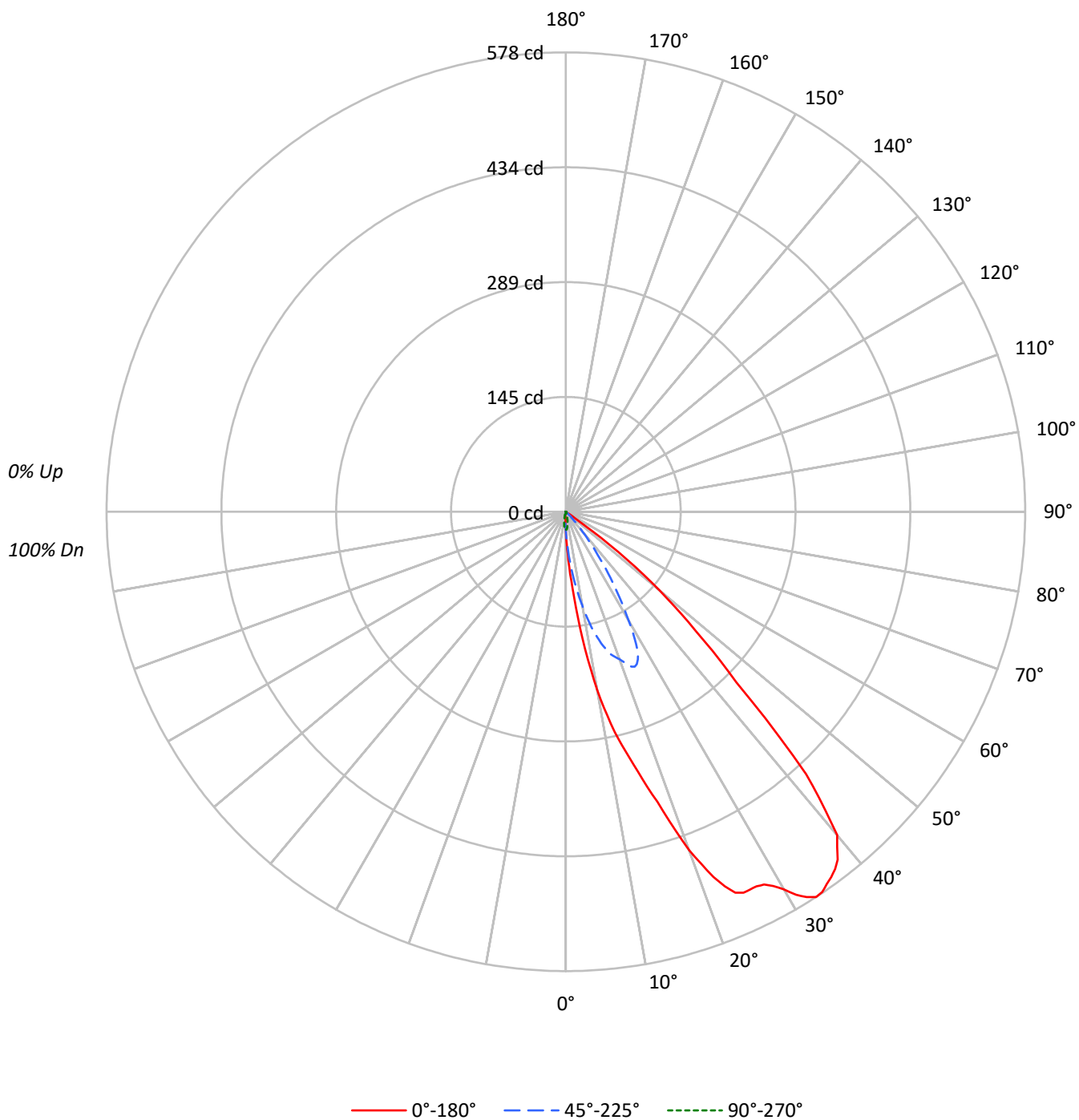
Lumens per Lamp: N/A
Luminaire Lumens: 194.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3909	3909	3909	3909	3909
5°	16579	11306	3423	622	311
10°	39873	21021	2116	70	0
15°	58678	30542	891	0	0
20°	82950	36215	330	0	0
25°	100467	40191	0	0	0
30°	109078	31441	0	0	0
35°	120281	18396	0	0	0
40°	119380	7464	0	0	0
45°	73920	2168	0	0	0
50°	41181	54	0	0	0
55°	4023	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	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: 5°

Vertical Angle: 45°

Luminance: 74286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	2.2
10°-20°	25.0	12.9
20°-30°	57.1	29.4
30°-40°	67.4	34.7
40°-50°	36.0	18.6
50°-60°	3.9	2.0
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°	86.3	44.5
0°-40°	153.7	79.2
0°-60°	193.7	99.8
0°-90°	194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	96	65	20	4	2	13
15°	329	171	5	0	0	98
25°	529	212	0	0	0	240
35°	572	88	0	0	0	353
45°	304	9	0	0	0	250
55°	13	0	0	0	0	38
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°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	52.9	51.8	52.5	51.1	51.1	47.9	48.1	45.4	41.4	31.6	22.5
5°	95.9	100.2	96.8	92.4	89.9	86.7	82.4	77.9	65.4	39.5	19.8
7.5°	160.6	160.3	154.5	149.7	144.2	135.6	127.6	116.7	93.1	45.2	16.4
10°	228.0	226.7	220.3	216.2	205.6	193.3	176.9	159.4	120.2	47.2	12.1
12.5°	284.1	282.5	277.1	270.1	258.5	243.0	225.3	202.2	148.8	45.0	7.9
15°	329.1	328.7	323.6	314.1	301.9	286.8	266.7	239.1	171.3	39.5	5.0
17.5°	382.5	384.7	375.4	365.2	347.7	326.4	301.9	270.3	188.0	32.7	3.2
20°	452.6	449.5	440.9	426.1	409.3	383.8	349.1	303.9	197.6	25.4	1.8
21°	474.0	472.7	463.8	450.1	431.5	405.6	369.8	321.1	202.1	22.7	1.4
22°	495.8	493.6	486.7	473.3	455.8	426.5	387.2	338.7	207.8	19.8	0.9
23°	512.0	511.2	505.8	492.6	474.5	446.1	405.9	355.2	211.7	17.2	0.5
24°	524.6	523.5	518.1	508.1	492.6	462.9	424.9	372.9	213.3	14.8	0.2
25°	528.7	529.2	526.0	518.1	505.1	475.4	439.0	386.8	211.5	12.7	0.0
26°	528.8	530.5	528.1	523.7	512.9	485.4	452.2	395.0	206.9	10.7	0.0
27°	528.8	530.5	528.1	524.7	514.2	491.1	459.3	395.9	199.7	9.1	0.0
28°	531.3	532.2	529.2	525.1	513.7	492.9	461.3	390.6	188.3	7.9	0.0
29°	538.3	537.4	532.4	526.9	513.1	492.9	455.4	380.4	174.0	6.6	0.0
30°	548.5	548.5	540.6	531.9	515.6	492.8	445.9	362.0	158.1	5.4	0.0
31°	562.3	561.0	553.1	540.1	521.0	492.8	432.0	341.6	143.5	4.6	0.0
32°	571.5	570.8	563.3	548.0	529.7	492.8	417.0	319.1	127.6	3.8	0.0
33°	578.0	576.5	568.0	552.1	535.1	490.3	400.2	295.0	113.3	3.0	0.0
34°	577.1	576.7	567.8	551.4	534.0	479.9	380.7	268.2	100.1	2.5	0.0
35°	572.1	572.1	561.2	544.2	526.3	464.7	361.4	245.3	87.5	1.8	0.0
36°	568.3	566.9	554.6	535.6	513.5	440.8	332.8	222.3	74.1	1.4	0.0
37°	562.8	560.1	546.4	526.0	495.3	414.9	302.8	201.7	62.7	0.9	0.0
38°	555.6	551.5	534.7	514.7	475.2	385.0	272.3	178.7	52.2	0.5	0.0
39°	542.6	539.2	521.9	500.3	451.3	353.6	242.6	157.0	42.2	0.2	0.0
40°	531.0	525.1	505.4	480.6	423.3	318.0	213.1	135.8	33.2	0.0	0.0
42.5°	447.7	441.5	437.0	412.4	337.1	228.3	148.8	87.0	17.3	0.0	0.0
45°	303.5	305.0	291.0	274.4	222.4	148.8	93.1	48.4	8.9	0.0	0.0
47.5°	221.4	217.6	198.7	167.2	130.4	87.0	48.6	23.4	3.6	0.0	0.0
50°	153.7	146.5	129.4	105.8	70.9	41.4	21.4	10.9	0.2	0.0	0.0
52.5°	83.4	78.4	66.5	48.2	29.5	15.9	8.6	4.5	0.0	0.0	0.0
55°	13.4	9.3	9.6	8.2	6.4	4.6	2.7	0.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	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	0.2
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	0.2	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	0.2	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	0.2	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	0.2	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°	22.7	22.7	22.7	22.7
2.5°	15.2	10.4	7.9	6.8
5°	8.8	3.6	2.0	1.8
7.5°	4.3	1.3	0.7	0.7
10°	1.8	0.4	0.0	0.0
12.5°	0.5	0.0	0.0	0.0
15°	0.0	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)