

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: P1309780

Luminaire Tested: P3SQAS02R409040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309780
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: P3SQAS02R409040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

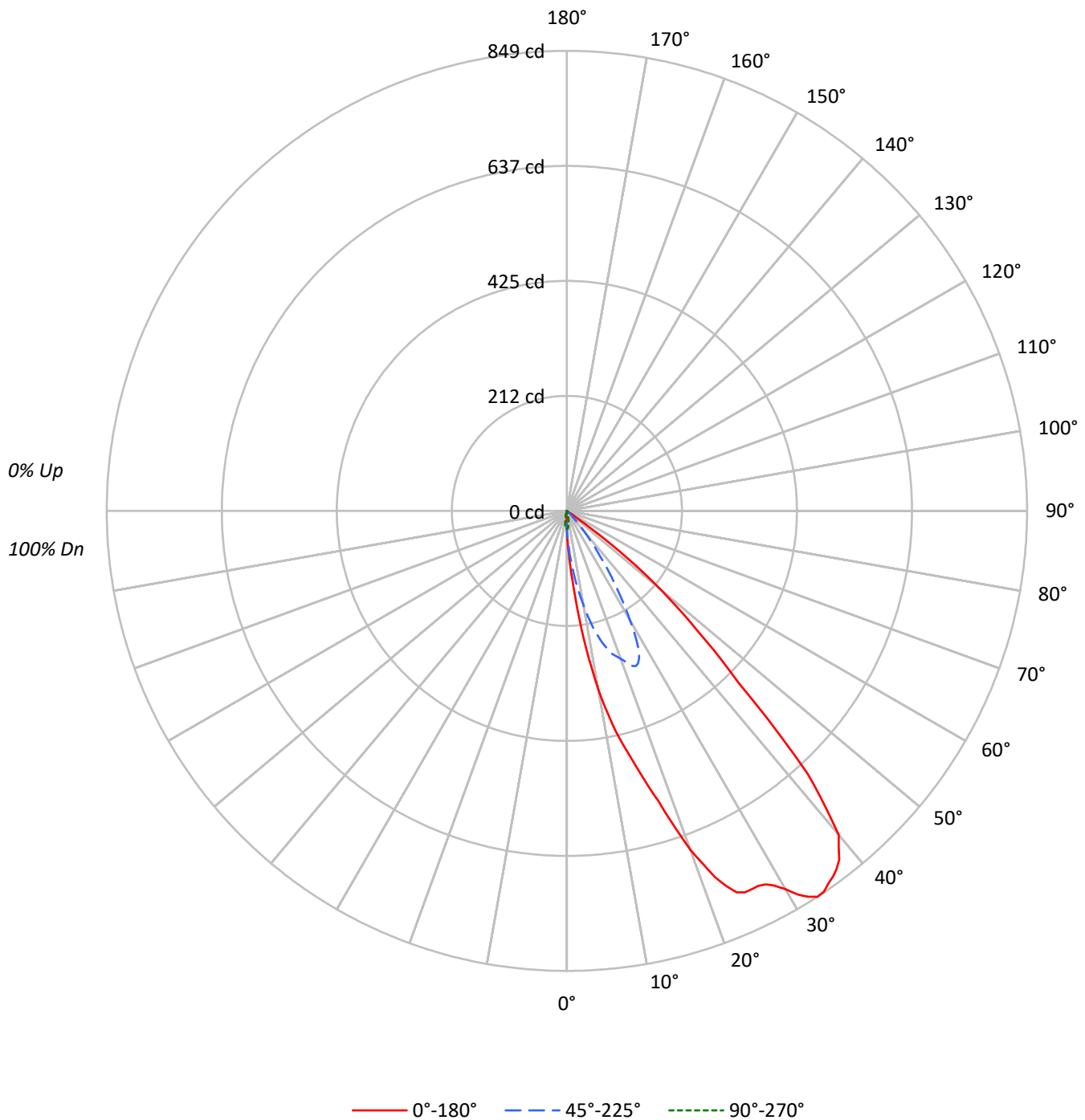
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	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	54	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°	5735	5735	5735	5735	5735
5°	24359	16614	5031	899	449
10°	58567	30884	3113	87	0
15°	86207	44878	1302	0	0
20°	121842	53205	477	0	0
25°	147575	59060	0	0	0
30°	160246	46196	0	0	0
35°	176690	27038	0	0	0
40°	175383	10971	0	0	0
45°	108603	3191	0	0	0
50°	60472	80	0	0	0
55°	5915	0	0	0	0
60°	0	0	103	0	0
65°	0	0	122	0	0
70°	0	151	252	0	0
75°	0	200	333	0	0
80°	0	298	496	0	0
85°	0	593	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 109115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	2.2
10°-20°	36.7	12.9
20°-30°	83.9	29.4
30°-40°	99.0	34.7
40°-50°	52.9	18.6
50°-60°	5.8	2.0
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	126.8	44.5
0°-40°	225.8	79.2
0°-60°	284.5	99.8
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	141	96	29	5	3	20
15°	484	252	7	0	0	144
25°	777	311	0	0	0	353
35°	840	129	0	0	0	519
45°	446	13	0	0	0	368
55°	20	0	0	0	0	55
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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	77.7	76.1	77.2	75.1	75.1	70.3	70.6	66.7	60.9	46.5	33.1
5°	140.9	147.2	142.3	135.7	132.0	127.3	121.0	114.4	96.1	58.0	29.1
7.5°	236.0	235.4	227.0	219.9	211.8	199.2	187.4	171.4	136.7	66.4	24.1
10°	334.9	333.1	323.6	317.6	302.1	284.0	259.8	234.1	176.6	69.3	17.8
12.5°	417.3	415.0	407.1	396.9	379.8	357.0	331.0	297.1	218.6	66.1	11.5
15°	483.5	482.9	475.3	461.4	443.6	421.3	391.9	351.2	251.7	58.0	7.3
17.5°	561.9	565.1	551.4	536.5	510.8	479.5	443.6	397.1	276.1	48.0	4.7
20°	664.8	660.4	647.8	626.0	601.3	563.8	512.9	446.5	290.3	37.3	2.6
21°	696.3	694.5	681.4	661.2	633.9	595.8	543.3	471.7	296.9	33.3	2.1
22°	728.4	725.2	715.0	695.3	669.6	626.5	568.8	497.6	305.3	29.1	1.3
23°	752.2	750.9	743.0	723.6	697.1	655.4	596.3	521.8	311.0	25.2	0.8
24°	770.6	769.0	761.2	746.5	723.6	680.1	624.2	547.8	313.4	21.8	0.3
25°	776.6	777.4	772.7	761.2	742.0	698.4	644.9	568.2	310.8	18.6	0.0
26°	776.9	779.3	775.9	769.3	753.5	713.1	664.3	580.3	303.9	15.7	0.0
27°	776.9	779.3	775.9	770.9	755.4	721.5	674.8	581.6	293.4	13.4	0.0
28°	780.6	781.9	777.4	771.4	754.6	724.2	677.7	573.8	276.6	11.5	0.0
29°	790.8	789.5	782.2	774.0	753.8	724.2	669.0	558.8	255.6	9.7	0.0
30°	805.8	805.8	794.2	781.4	757.5	723.9	655.1	531.8	232.3	7.9	0.0
31°	826.0	824.2	812.6	793.4	765.4	723.9	634.6	501.8	210.8	6.8	0.0
32°	839.6	838.6	827.6	805.0	778.2	723.9	612.6	468.8	187.4	5.5	0.0
33°	849.1	847.0	834.4	811.0	786.1	720.2	587.9	433.3	166.4	4.5	0.0
34°	847.8	847.2	834.1	810.0	784.5	705.0	559.3	394.0	147.0	3.7	0.0
35°	840.4	840.4	824.4	799.5	773.2	682.7	531.0	360.4	128.6	2.6	0.0
36°	834.9	832.8	814.7	786.9	754.3	647.5	489.0	326.5	108.9	2.1	0.0
37°	826.8	822.8	802.6	772.7	727.6	609.5	444.9	296.3	92.1	1.3	0.0
38°	816.3	810.2	785.6	756.2	698.2	565.6	400.0	262.5	76.6	0.8	0.0
39°	797.1	792.1	766.7	734.9	663.0	519.4	356.4	230.7	61.9	0.3	0.0
40°	780.1	771.4	742.5	706.0	621.8	467.2	313.1	199.5	48.8	0.0	0.0
42.5°	657.7	648.6	642.0	605.8	495.3	335.4	218.6	127.8	25.5	0.0	0.0
45°	445.9	448.0	427.6	403.2	326.8	218.6	136.7	71.1	13.1	0.0	0.0
47.5°	325.2	319.7	291.9	245.7	191.6	127.8	71.4	34.4	5.2	0.0	0.0
50°	225.7	215.2	190.0	155.4	104.2	60.9	31.5	16.0	0.3	0.0	0.0
52.5°	122.6	115.2	97.6	70.9	43.3	23.4	12.6	6.6	0.0	0.0	0.0
55°	19.7	13.6	14.2	12.1	9.4	6.8	3.9	0.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5



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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	0.3	0.3	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
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°	33.3	33.3	33.3	33.3
2.5°	22.3	15.2	11.5	10.0
5°	12.9	5.2	2.9	2.6
7.5°	6.3	1.8	1.0	1.0
10°	2.6	0.5	0.0	0.0
12.5°	0.8	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°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)