

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: P1307527

Luminaire Tested: P3SQAS02R359030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307527
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: P3SQAS02R359030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

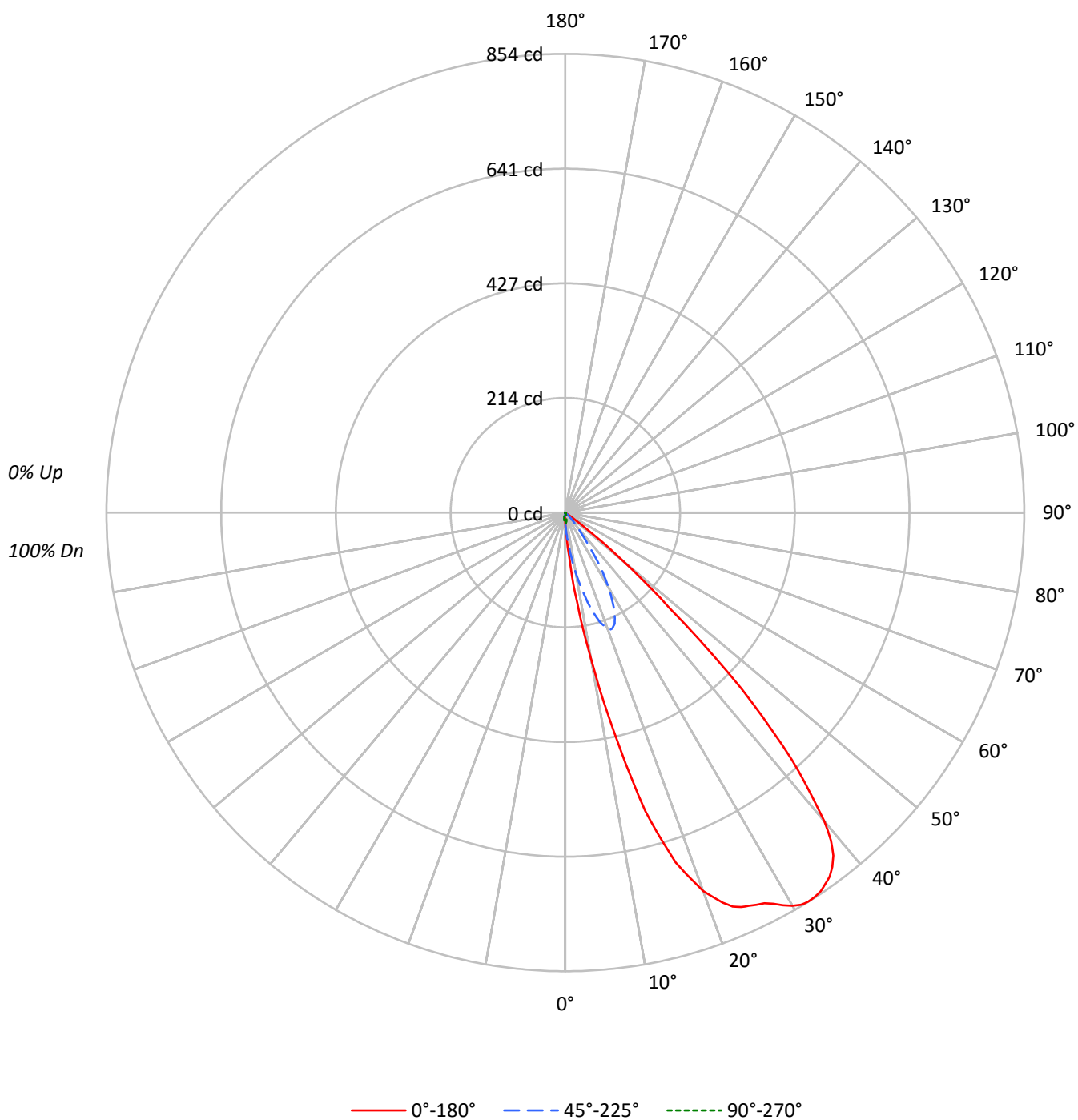
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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	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	55	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°	3307	3307	3307	3307	3307
5°	14384	8921	3077	1089	761
10°	48407	20129	2291	262	87
15°	102450	33003	1426	0	0
20°	137365	42172	660	0	0
25°	153523	41426	133	0	0
30°	168061	31739	0	0	0
35°	177384	17282	0	0	0
40°	168616	7756	0	0	0
45°	113158	3434	0	0	0
50°	37805	322	0	0	0
55°	2042	0	0	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 113158 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	1.6
10°-20°	35.4	13.9
20°-30°	77.6	30.4
30°-40°	89.8	35.2
40°-50°	44.3	17.4
50°-60°	3.3	1.3
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°	117.1	45.9
0°-40°	206.9	81.2
0°-60°	254.5	99.8
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	83	52	18	6	4	14
15°	575	185	8	0	0	162
25°	808	218	1	0	0	374
35°	844	82	0	0	0	521
45°	465	14	0	0	0	341
55°	7	0	0	0	0	28
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°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
2.5°	38.2	39.2	38.7	38.7	38.4	37.2	35.0	34.3	31.6	25.1	19.5
5°	83.2	83.4	82.7	79.1	75.9	73.0	66.7	63.7	51.6	30.7	17.8
7.5°	168.8	165.2	160.6	155.4	144.3	134.0	120.7	106.6	79.8	35.5	15.8
10°	276.8	271.7	267.8	255.7	235.5	214.6	189.0	165.9	115.1	38.9	13.1
12.5°	416.2	413.3	399.4	375.1	345.2	315.0	270.5	233.8	150.6	39.7	10.7
15°	574.6	569.7	548.6	514.0	473.4	426.0	366.4	304.6	185.1	37.5	8.0
17.5°	682.9	680.2	661.9	625.7	579.0	518.7	448.1	371.0	213.6	32.8	5.6
20°	749.5	745.6	728.6	697.9	649.0	586.0	502.4	413.3	230.1	27.0	3.6
21°	766.8	762.9	749.3	717.4	670.7	603.1	517.2	423.5	233.3	24.3	2.9
22°	783.1	779.2	764.8	736.6	690.4	619.9	528.9	431.3	232.8	22.1	2.2
23°	796.7	792.6	778.5	752.4	706.0	634.7	537.6	435.2	229.6	19.9	1.7
24°	803.8	801.3	788.7	764.1	718.6	645.2	543.7	436.7	225.8	17.8	1.2
25°	807.9	805.0	792.6	769.9	726.9	653.4	547.6	435.5	218.0	15.8	0.7
26°	812.3	807.9	793.8	771.9	731.3	657.3	547.8	432.3	209.7	14.1	0.2
27°	816.2	812.0	797.4	773.4	732.0	656.1	545.9	426.2	199.7	12.4	0.2
28°	824.7	820.1	803.3	776.5	732.7	652.9	539.8	417.9	186.6	10.9	0.0
29°	835.9	831.0	811.8	784.1	734.4	649.5	531.5	407.0	175.2	9.7	0.0
30°	845.1	840.7	823.0	793.5	738.8	646.4	521.8	392.2	159.6	8.3	0.0
31°	851.9	847.6	831.3	801.6	742.7	643.4	509.7	376.8	145.5	7.3	0.0
32°	853.6	850.0	834.7	805.0	742.7	639.1	498.5	359.6	131.6	6.1	0.0
33°	852.9	849.3	833.7	802.5	736.1	628.6	484.8	338.9	115.8	5.4	0.0
34°	850.2	845.8	829.3	794.8	723.2	610.9	465.1	318.2	99.3	4.4	0.0
35°	843.7	839.8	821.8	780.2	703.3	583.8	438.9	294.4	82.2	3.6	0.0
36°	837.3	831.5	809.4	762.2	677.0	556.1	407.5	266.9	67.6	2.9	0.0
37°	825.7	817.4	795.0	736.1	639.8	516.9	371.7	236.7	56.7	2.2	0.0
38°	810.1	798.9	770.4	706.0	602.3	480.2	338.1	209.5	47.7	1.5	0.0
39°	786.0	772.9	734.2	664.6	559.0	437.6	299.7	180.5	40.6	1.0	0.0
40°	750.0	737.6	694.8	615.5	516.0	390.7	260.3	147.9	34.5	0.5	0.0
42.5°	624.5	607.4	557.8	479.0	381.4	281.0	172.2	82.2	22.9	0.0	0.0
45°	464.6	449.6	400.9	329.1	254.2	172.0	92.2	48.4	14.1	0.0	0.0
47.5°	262.5	260.8	229.2	189.0	141.8	91.5	46.7	29.2	6.1	0.0	0.0
50°	141.1	132.3	114.1	86.6	59.1	39.9	25.3	16.1	1.2	0.0	0.0
52.5°	51.6	49.9	41.8	34.8	26.8	18.2	12.9	7.1	0.0	0.0	0.0
55°	6.8	6.3	6.6	7.1	7.3	6.3	4.1	1.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.5	0.5	0.5	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	0.5
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	0.2	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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°	19.2	19.2	19.2	19.2
2.5°	14.8	11.4	9.7	9.5
5°	10.2	6.3	4.6	4.4
7.5°	7.1	3.2	2.2	1.9
10°	4.1	1.5	0.7	0.5
12.5°	2.4	0.2	0.0	0.0
15°	0.7	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)