

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: P1314874

Luminaire Tested: P3SQAS02R359740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314874
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: P3SQAS02R359740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

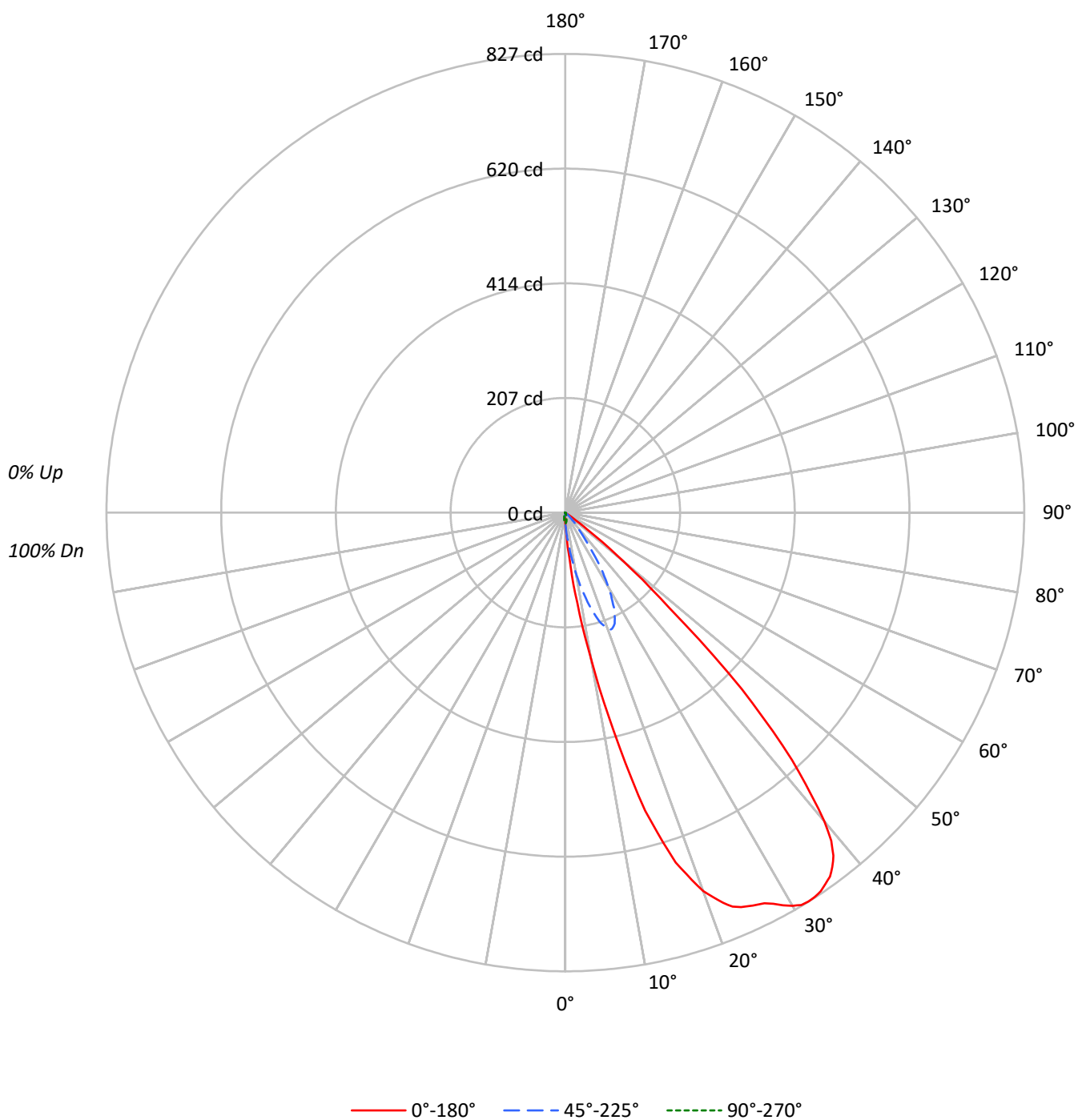
Lumens per Lamp: N/A
Luminaire Lumens: 247.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
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	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	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°	3203	3203	3203	3203	3203
5°	13934	8644	2974	1055	726
10°	46903	19499	2221	245	87
15°	99241	31969	1391	0	0
20°	133058	40852	641	0	0
25°	148715	40115	133	0	0
30°	162791	30745	0	0	0
35°	171812	16736	0	0	0
40°	163332	7531	0	0	0
45°	109626	3337	0	0	0
50°	36626	322	0	0	0
55°	1982	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: 109626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	1.6
10°-20°	34.3	13.9
20°-30°	75.2	30.4
30°-40°	87.0	35.2
40°-50°	42.9	17.4
50°-60°	3.2	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°	113.5	45.9
0°-40°	200.4	81.2
0°-60°	246.5	99.8
0°-90°	247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	247.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	81	50	17	6	4	14
15°	557	179	8	0	0	157
25°	783	211	1	0	0	362
35°	817	80	0	0	0	505
45°	450	14	0	0	0	330
55°	7	0	0	0	0	27
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°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	37.0	37.9	37.5	37.5	37.2	36.1	33.9	33.2	30.6	24.3	18.9
5°	80.6	80.8	80.1	76.6	73.5	70.7	64.6	61.7	50.0	29.7	17.2
7.5°	163.5	160.0	155.5	150.6	139.7	129.8	116.9	103.2	77.3	34.4	15.3
10°	268.2	263.2	259.4	247.7	228.1	207.8	183.1	160.7	111.5	37.7	12.7
12.5°	403.2	400.3	386.9	363.4	334.4	305.2	262.0	226.4	145.9	38.4	10.4
15°	556.6	551.9	531.4	497.9	458.6	412.6	354.9	295.0	179.3	36.3	7.8
17.5°	661.4	658.8	641.2	606.1	560.8	502.4	434.0	359.3	206.9	31.8	5.4
20°	726.0	722.2	705.7	676.0	628.7	567.7	486.6	400.3	222.9	26.2	3.5
21°	742.7	739.0	725.8	694.9	649.7	584.1	501.0	410.2	226.0	23.6	2.8
22°	758.5	754.7	740.8	713.5	668.7	600.4	512.3	417.8	225.5	21.4	2.1
23°	771.7	767.7	754.0	728.8	683.8	614.8	520.8	421.6	222.4	19.3	1.6
24°	778.5	776.2	763.9	740.1	696.1	624.9	526.7	423.0	218.7	17.2	1.2
25°	782.6	779.7	767.7	745.8	704.1	632.9	530.4	421.8	211.1	15.3	0.7
26°	786.8	782.6	768.9	747.7	708.3	636.7	530.7	418.7	203.1	13.7	0.2
27°	790.6	786.6	772.4	749.1	709.0	635.5	528.8	412.8	193.5	12.0	0.2
28°	798.8	794.3	778.1	752.2	709.7	632.5	522.9	404.8	180.7	10.6	0.0
29°	809.7	804.9	786.3	759.5	711.4	629.2	514.9	394.2	169.7	9.4	0.0
30°	818.6	814.4	797.2	768.7	715.6	626.1	505.4	379.8	154.6	8.0	0.0
31°	825.2	821.0	805.2	776.4	719.4	623.3	493.7	365.0	140.9	7.1	0.0
32°	826.9	823.3	808.5	779.7	719.4	619.0	482.8	348.3	127.5	5.9	0.0
33°	826.1	822.6	807.5	777.4	713.0	608.9	469.6	328.2	112.2	5.2	0.0
34°	823.6	819.3	803.3	769.8	700.6	591.7	450.5	308.2	96.1	4.2	0.0
35°	817.2	813.4	796.0	755.7	681.2	565.5	425.1	285.1	79.6	3.5	0.0
36°	811.1	805.4	784.0	738.3	655.8	538.7	394.7	258.5	65.5	2.8	0.0
37°	799.8	791.7	770.1	713.0	619.7	500.7	360.1	229.3	54.9	2.1	0.0
38°	784.7	773.8	746.3	683.8	583.4	465.1	327.5	202.9	46.2	1.4	0.0
39°	761.3	748.6	711.2	643.8	541.5	423.9	290.3	174.8	39.4	0.9	0.0
40°	726.5	714.5	673.0	596.2	499.8	378.4	252.1	143.3	33.5	0.5	0.0
42.5°	604.9	588.4	540.3	464.0	369.5	272.2	166.8	79.6	22.1	0.0	0.0
45°	450.1	435.5	388.3	318.8	246.2	166.6	89.3	46.9	13.7	0.0	0.0
47.5°	254.3	252.6	222.0	183.1	137.4	88.6	45.2	28.3	5.9	0.0	0.0
50°	136.7	128.2	110.5	83.9	57.3	38.6	24.5	15.6	1.2	0.0	0.0
52.5°	50.0	48.3	40.5	33.7	25.9	17.7	12.5	6.8	0.0	0.0	0.0
55°	6.6	6.1	6.4	6.8	7.1	6.1	4.0	1.4	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°	18.6	18.6	18.6	18.6
2.5°	14.4	11.1	9.4	9.2
5°	9.9	6.1	4.5	4.2
7.5°	6.8	3.1	2.1	1.9
10°	4.0	1.4	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)