

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: P1310861

Luminaire Tested: P3SQAS02R359050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310861
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: P3SQAS02R359050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

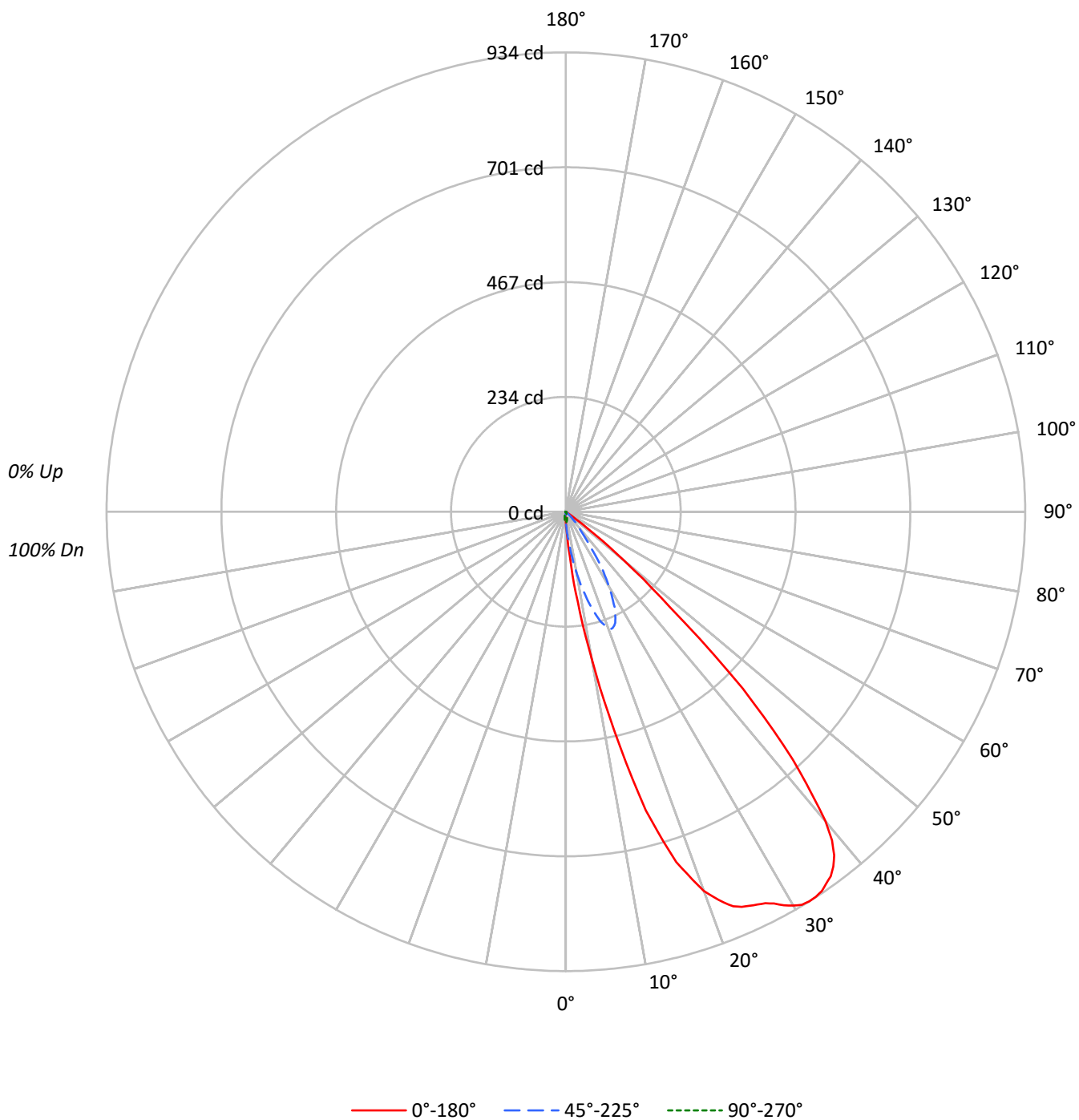
Lumens per Lamp: N/A
Luminaire Lumens: 279.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0		
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	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°	3617	3617	3617	3617	3617
5°	15732	9750	3354	1193	830
10°	52971	22017	2518	280	87
15°	112096	36123	1569	0	0
20°	150304	46149	733	0	0
25°	167965	45321	152	0	0
30°	183891	34722	0	0	0
35°	194077	18922	0	0	0
40°	184488	8498	0	0	0
45°	123826	3751	0	0	0
50°	41369	348	0	0	0
55°	2252	0	0	0	0
60°	0	0	103	0	0
65°	0	0	204	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: 0°

Vertical Angle: 45°

Luminance: 123826 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	1.6
10°-20°	38.7	13.9
20°-30°	84.9	30.4
30°-40°	98.2	35.2
40°-50°	48.5	17.4
50°-60°	3.6	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°	128.2	45.9
0°-40°	226.4	81.1
0°-60°	278.5	99.8
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	91	56	19	7	5	16
15°	629	203	9	0	0	177
25°	884	238	1	0	0	409
35°	923	90	0	0	0	570
45°	508	15	0	0	0	373
55°	8	0	0	0	0	30
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°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
2.5°	41.8	42.9	42.3	42.3	42.1	40.7	38.3	37.5	34.6	27.4	21.3
5°	91.0	91.3	90.5	86.5	83.0	79.8	72.9	69.7	56.4	33.5	19.4
7.5°	184.7	180.7	175.7	170.1	157.8	146.7	132.0	116.6	87.3	38.9	17.3
10°	302.9	297.3	293.0	279.7	257.6	234.8	206.8	181.5	125.9	42.6	14.4
12.5°	455.4	452.2	437.0	410.4	377.7	344.7	296.0	255.8	164.8	43.4	11.7
15°	628.7	623.4	600.2	562.4	518.0	466.1	400.8	333.2	202.6	41.0	8.8
17.5°	747.1	744.2	724.2	684.6	633.5	567.5	490.3	405.9	233.7	35.9	6.1
20°	820.1	815.8	797.2	763.6	710.1	641.2	549.6	452.2	251.8	29.5	4.0
21°	839.0	834.7	819.8	784.9	733.8	659.8	565.9	463.4	255.3	26.6	3.2
22°	856.8	852.5	836.8	806.0	755.4	678.2	578.6	471.9	254.7	24.2	2.4
23°	871.7	867.2	851.7	823.3	772.4	694.4	588.2	476.2	251.3	21.8	1.9
24°	879.4	876.8	862.9	836.0	786.3	705.9	594.9	477.8	247.0	19.4	1.3
25°	883.9	880.7	867.2	842.4	795.3	714.9	599.1	476.4	238.5	17.3	0.8
26°	888.7	883.9	868.5	844.5	800.1	719.2	599.4	473.0	229.4	15.4	0.3
27°	893.0	888.5	872.5	846.1	800.9	717.8	597.3	466.3	218.5	13.6	0.3
28°	902.3	897.2	878.9	849.6	801.7	714.4	590.6	457.3	204.1	12.0	0.0
29°	914.5	909.2	888.2	857.9	803.6	710.7	581.6	445.3	191.6	10.6	0.0
30°	924.7	919.9	900.4	868.2	808.3	707.2	570.9	429.1	174.6	9.0	0.0
31°	932.1	927.3	909.5	877.0	812.6	704.0	557.6	412.3	159.2	8.0	0.0
32°	934.0	930.0	913.2	880.7	812.6	699.2	545.4	393.4	144.0	6.7	0.0
33°	933.2	929.2	912.2	878.1	805.4	687.8	530.5	370.8	126.7	5.9	0.0
34°	930.2	925.5	907.4	869.6	791.3	668.3	508.9	348.1	108.6	4.8	0.0
35°	923.1	918.8	899.1	853.6	769.5	638.8	480.2	322.1	90.0	4.0	0.0
36°	916.1	909.8	885.5	833.9	740.7	608.5	445.8	292.0	74.0	3.2	0.0
37°	903.4	894.3	869.8	805.4	700.0	565.6	406.7	259.0	62.0	2.4	0.0
38°	886.3	874.1	842.9	772.4	659.0	525.4	370.0	229.2	52.2	1.6	0.0
39°	860.0	845.6	803.3	727.2	611.6	478.8	327.9	197.5	44.4	1.1	0.0
40°	820.6	807.0	760.2	673.4	564.5	427.5	284.8	161.8	37.8	0.5	0.0
42.5°	683.2	664.6	610.3	524.1	417.3	307.4	188.4	90.0	25.0	0.0	0.0
45°	508.4	491.9	438.6	360.1	278.1	188.2	100.9	53.0	15.4	0.0	0.0
47.5°	287.2	285.3	250.7	206.8	155.2	100.1	51.1	31.9	6.7	0.0	0.0
50°	154.4	144.8	124.8	94.8	64.7	43.7	27.7	17.6	1.3	0.0	0.0
52.5°	56.4	54.6	45.8	38.1	29.3	20.0	14.1	7.7	0.0	0.0	0.0
55°	7.5	6.9	7.2	7.7	8.0	6.9	4.5	1.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.5	0.5	0.5	0.0	0.0	0.0	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	0.5
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	0.3	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	0.0	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	0.0	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	0.0	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	0.0	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°	21.0	21.0	21.0	21.0
2.5°	16.2	12.5	10.6	10.4
5°	11.2	6.9	5.1	4.8
7.5°	7.7	3.5	2.4	2.1
10°	4.5	1.6	0.8	0.5
12.5°	2.7	0.3	0.0	0.0
15°	0.8	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)