

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: P1317421

Luminaire Tested: P3SQAS20R359830D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317421
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: P3SQAS20R359830D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

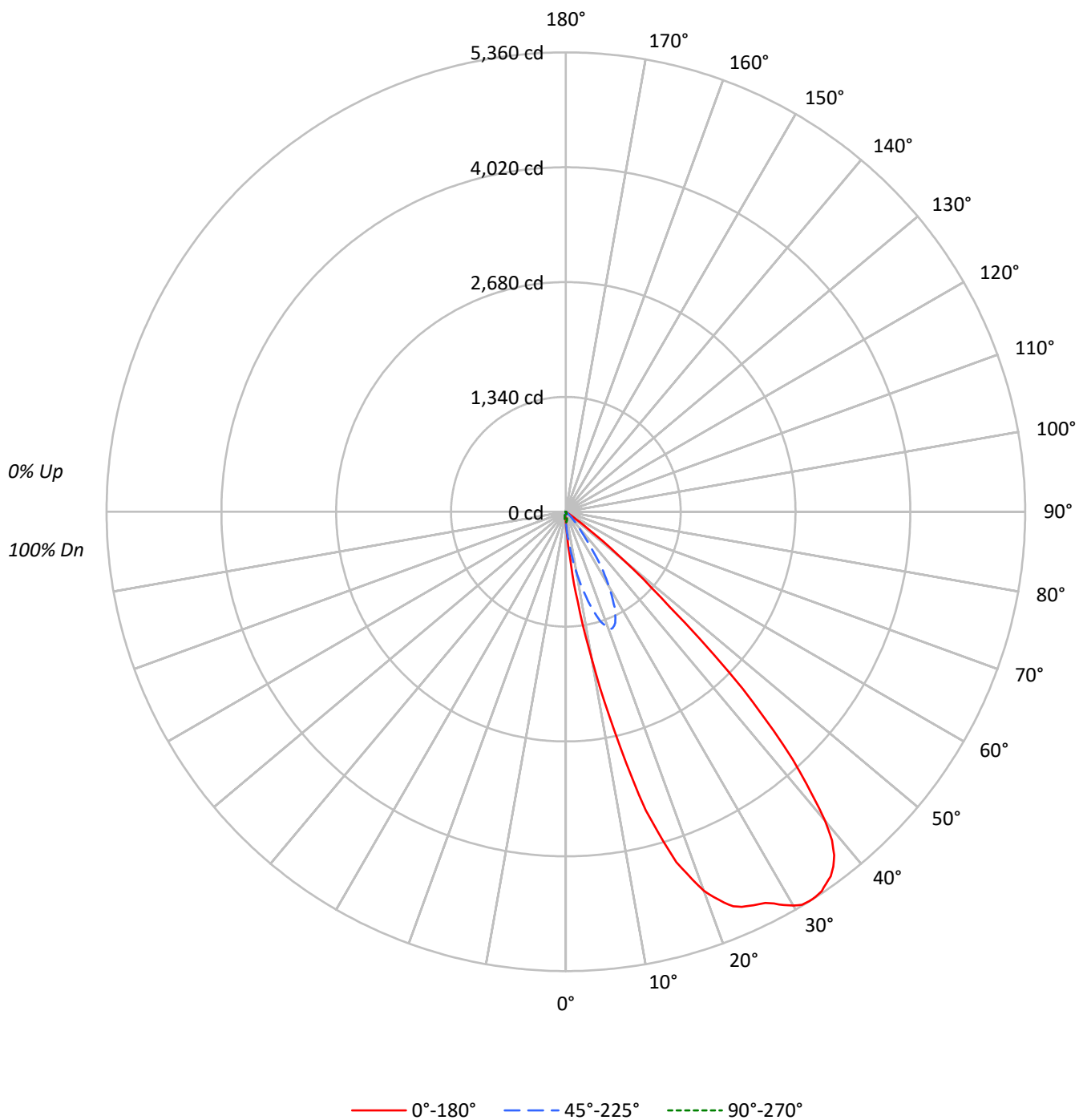
Lumens per Lamp: N/A
Luminaire Lumens: 1601.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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°	20787	20787	20787	20787	20787
5°	90313	55979	19276	6863	4754
10°	303958	126333	14428	1609	542
15°	643228	207236	8986	0	0
20°	862458	264815	4197	0	0
25°	963872	260051	874	0	0
30°	1055181	199243	0	0	0
35°	1113647	108528	0	0	0
40°	1058636	48764	0	0	0
45°	710512	21579	0	0	0
50°	237360	2036	0	0	0
55°	12851	0	0	0	0
60°	0	0	517	0	0
65°	0	0	1263	0	0
70°	0	755	1561	0	0
75°	0	998	2063	0	0
80°	0	1488	3075	0	0
85°	0	2964	6126	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 710512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.6
10°-20°	222.1	13.9
20°-30°	487.4	30.4
30°-40°	563.8	35.2
40°-50°	278.3	17.4
50°-60°	20.6	1.3
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.0	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°	735.5	45.9
0°-40°	1299.2	81.1
0°-60°	1598.1	99.8
0°-90°	1601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1601.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	522	324	112	40	28	90
15°	3608	1162	50	0	0	1018
25°	5072	1368	5	0	0	2345
35°	5297	516	0	0	0	3271
45°	2917	89	0	0	0	2141
55°	43	0	0	0	0	175
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	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°	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
2.5°	239.8	245.9	242.8	242.8	241.3	233.7	219.9	215.4	198.6	157.3	122.2
5°	522.4	523.9	519.3	496.4	476.5	458.2	418.5	400.2	323.8	192.4	111.5
7.5°	1060.0	1037.1	1008.1	976.0	905.7	841.6	757.6	669.0	501.0	223.0	99.3
10°	1738.1	1706.1	1681.6	1605.2	1478.5	1347.1	1186.8	1041.7	722.4	244.4	82.5
12.5°	2613.3	2595.0	2507.9	2355.2	2167.3	1977.9	1698.4	1467.8	945.4	249.0	67.2
15°	3607.6	3577.1	3444.2	3227.3	2972.2	2674.4	2300.2	1912.2	1162.3	235.2	50.4
17.5°	4287.3	4270.5	4155.9	3928.4	3635.1	3256.3	2813.4	2329.2	1341.0	206.2	35.1
20°	4705.8	4681.3	4574.4	4382.0	4075.0	3679.4	3154.0	2595.0	1444.9	169.5	22.9
21°	4814.2	4789.8	4704.2	4504.2	4210.9	3786.3	3247.2	2659.1	1464.7	152.7	18.3
22°	4916.5	4892.1	4802.0	4624.8	4334.6	3891.7	3320.5	2708.0	1461.7	139.0	13.7
23°	5002.1	4976.1	4887.5	4724.1	4432.4	3984.9	3375.4	2732.4	1441.8	125.2	10.7
24°	5046.4	5031.1	4951.7	4797.4	4511.8	4050.5	3413.6	2741.6	1417.4	111.5	7.6
25°	5072.3	5054.0	4976.1	4834.1	4563.7	4102.5	3438.1	2734.0	1368.5	99.3	4.6
26°	5099.8	5072.3	4983.8	4846.3	4591.2	4126.9	3439.6	2714.1	1316.6	88.6	1.5
27°	5124.3	5098.3	5006.7	4855.5	4595.8	4119.3	3427.4	2675.9	1254.0	77.9	1.5
28°	5177.7	5148.7	5043.3	4875.3	4600.4	4099.4	3389.2	2624.0	1171.5	68.7	0.0
29°	5248.0	5217.4	5096.8	4922.7	4611.1	4078.0	3337.3	2555.3	1099.7	61.1	0.0
30°	5306.0	5278.5	5167.0	4982.2	4638.6	4058.2	3276.2	2462.1	1001.9	51.9	0.0
31°	5348.8	5321.3	5219.0	5032.6	4663.0	4039.8	3199.8	2365.9	913.4	45.8	0.0
32°	5359.5	5336.6	5240.3	5054.0	4663.0	4012.4	3129.5	2257.4	826.3	38.2	0.0
33°	5354.9	5332.0	5234.2	5038.7	4621.8	3946.7	3044.0	2127.6	727.0	33.6	0.0
34°	5338.1	5310.6	5206.7	4989.9	4540.8	3835.2	2920.3	1997.8	623.2	27.5	0.0
35°	5296.9	5272.4	5159.4	4898.2	4415.6	3665.6	2755.3	1848.1	516.2	22.9	0.0
36°	5257.1	5220.5	5081.5	4785.2	4250.6	3491.5	2558.3	1675.5	424.6	18.3	0.0
37°	5183.8	5131.9	4991.4	4621.8	4016.9	3245.6	2333.8	1486.1	355.9	13.7	0.0
38°	5086.1	5015.8	4837.1	4432.4	3781.7	3015.0	2123.0	1315.1	299.4	9.2	0.0
39°	4934.9	4852.4	4609.6	4172.7	3509.9	2747.7	1881.7	1133.3	255.1	6.1	0.0
40°	4708.8	4630.9	4362.1	3864.2	3239.5	2452.9	1634.3	928.6	216.9	3.1	0.0
42.5°	3920.7	3813.8	3502.2	3007.4	2394.9	1764.1	1081.4	516.2	143.6	0.0	0.0
45°	2917.2	2822.5	2517.1	2066.5	1596.1	1079.8	578.9	303.9	88.6	0.0	0.0
47.5°	1648.0	1637.3	1438.8	1186.8	890.4	574.3	293.3	183.3	38.2	0.0	0.0
50°	885.9	830.9	716.3	543.7	371.1	250.5	158.8	100.8	7.6	0.0	0.0
52.5°	323.8	313.1	262.7	218.4	168.0	114.6	80.9	44.3	0.0	0.0	0.0
55°	42.8	39.7	41.2	44.3	45.8	39.7	26.0	9.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	3.1	3.1	3.1	0.0	0.0	0.0	1.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1



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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	1.5	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.1
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°	120.7	120.7	120.7	120.7
2.5°	93.2	71.8	61.1	59.6
5°	64.1	39.7	29.0	27.5
7.5°	44.3	19.9	13.7	12.2
10°	26.0	9.2	4.6	3.1
12.5°	15.3	1.5	0.0	0.0
15°	4.6	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°	1.5	0.0	0.0	0.0
67.5°	1.5	0.0	0.0	0.0
70°	1.5	0.0	0.0	0.0
72.5°	1.5	0.0	0.0	0.0
75°	1.5	0.0	0.0	0.0
77.5°	1.5	0.0	0.0	0.0
80°	1.5	0.0	0.0	0.0

TEST NUMBER: P1317421

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.5	0.0	0.0	0.0
85°	1.5	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)