

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: P1312562

Luminaire Tested: P3SQAS17R259727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

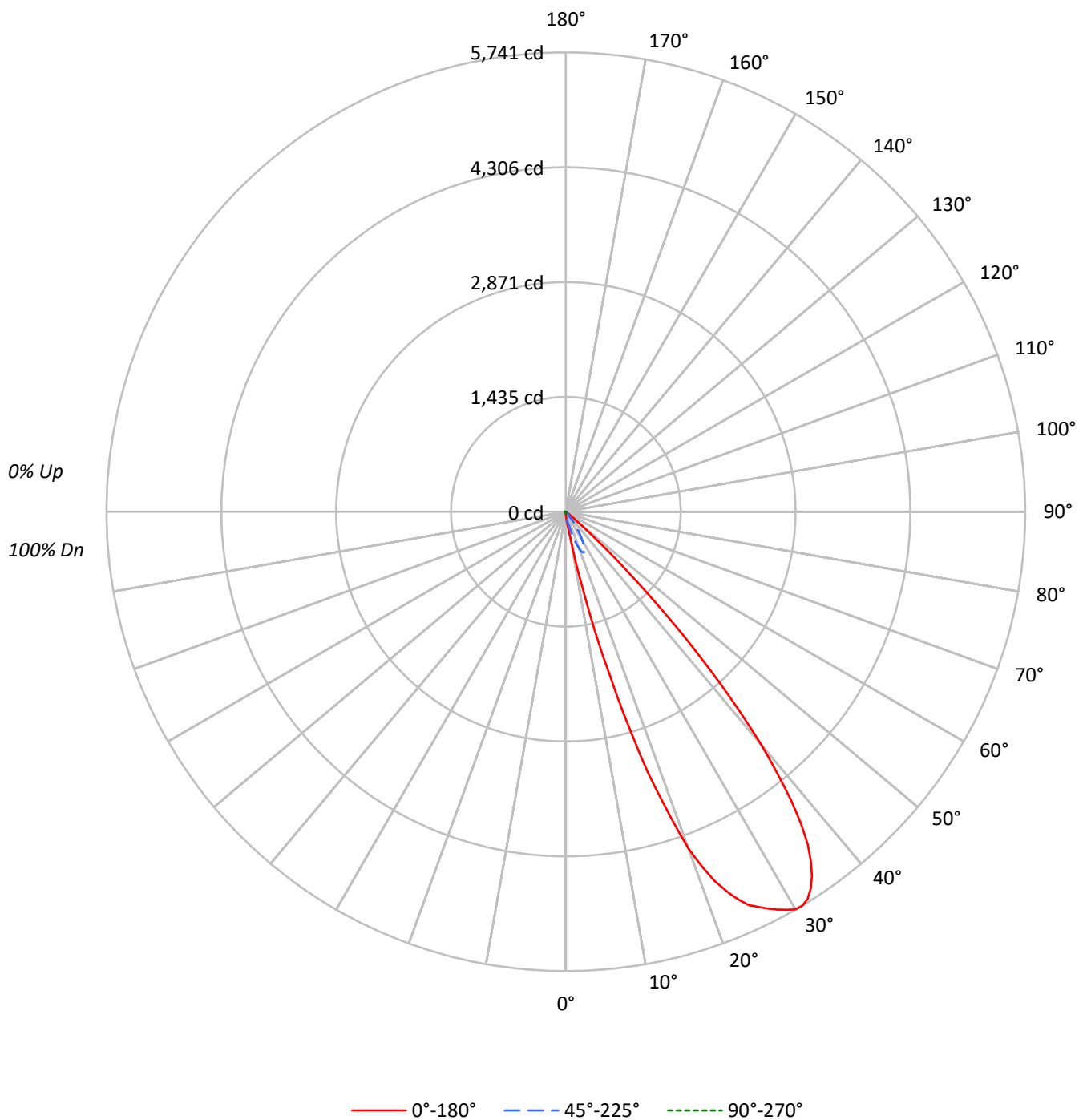
Lumens per Lamp: N/A
Luminaire Lumens: 1125.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6131	6131	6131	6131	6131
5°	19190	13416	5584	2974	2230
10°	60491	24308	4145	385	0
15°	374051	46304	2496	0	0
20°	820158	90245	788	0	0
25°	1030952	103812	0	0	0
30°	1141270	80362	0	0	0
35°	1123444	45539	0	0	0
40°	853936	11871	0	0	0
45°	345903	5261	0	0	0
50°	38394	589	0	0	0
55°	2913	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2129	0	0
80°	0	1091	3174	0	0
85°	0	2174	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 345903 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.5
10°-20°	116.2	10.3
20°-30°	406.2	36.1
30°-40°	453.1	40.3
40°-50°	136.9	12.2
50°-60°	4.6	0.4
60°-70°	0.6	0.1
70°-80°	1.0	0.1
80°-90°	0.9	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°	528.0	46.9
0°-40°	981.1	87.2
0°-60°	1122.5	99.8
0°-90°	1125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	111	78	32	17	13	17
15°	2098	260	14	0	0	697
25°	5425	546	0	0	0	2475
35°	5344	217	0	0	0	3208
45°	1420	22	0	0	0	1227
55°	10	0	1	0	0	30
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
2.5°	61.4	63.6	62.5	63.6	62.5	62.5	62.5	63.6	62.5	62.5	62.5
5°	111.0	112.1	112.1	111.0	111.0	113.1	111.0	112.1	108.8	111.0	109.9
7.5°	182.1	179.9	179.9	181.0	181.0	178.9	177.8	175.6	177.8	177.8	174.6
10°	345.9	343.7	338.3	336.2	338.3	338.3	327.6	329.7	330.8	321.1	317.9
12.5°	1016.1	1008.6	1023.7	999.9	985.9	963.3	976.2	932.1	922.4	915.9	900.8
15°	2097.9	2155.1	2130.3	2132.4	2136.7	2082.9	2101.2	2034.4	1978.3	1961.1	1949.2
17.5°	3421.1	3438.4	3415.8	3405.0	3400.7	3374.8	3343.6	3310.2	3267.1	3229.3	3198.1
20°	4475.0	4462.0	4423.2	4427.6	4381.2	4357.5	4330.6	4297.2	4263.8	4208.8	4156.0
21°	4753.0	4715.3	4716.3	4690.5	4689.4	4659.2	4611.8	4577.3	4547.2	4484.7	4451.3
22°	4981.4	4972.8	4953.4	4934.0	4913.5	4898.4	4845.6	4828.4	4767.0	4715.3	4667.8
23°	5159.2	5162.4	5145.2	5132.3	5104.2	5097.8	5029.9	5006.2	4964.2	4885.5	4837.0
24°	5306.8	5301.4	5282.0	5259.4	5243.2	5228.2	5176.4	5137.6	5091.3	5026.7	4979.3
25°	5425.3	5412.4	5399.5	5382.2	5356.4	5339.1	5286.3	5243.2	5203.4	5131.2	5066.5
26°	5495.4	5498.6	5478.1	5465.2	5442.6	5425.3	5370.4	5319.8	5270.2	5192.6	5134.4
27°	5566.5	5563.3	5545.0	5525.6	5501.9	5495.4	5431.8	5379.0	5328.4	5246.5	5177.5
28°	5632.2	5623.6	5608.5	5585.9	5560.0	5540.6	5479.2	5424.3	5369.3	5282.0	5206.6
29°	5687.2	5678.6	5668.9	5639.8	5606.4	5593.4	5527.7	5460.9	5406.0	5316.5	5236.8
30°	5738.9	5722.7	5700.1	5675.3	5643.0	5618.2	5549.3	5491.1	5426.4	5327.3	5250.8
31°	5741.1	5719.5	5703.4	5677.5	5640.9	5610.7	5538.5	5479.2	5403.8	5311.1	5228.2
32°	5703.4	5692.6	5666.7	5638.7	5603.1	5573.0	5493.2	5430.7	5359.6	5260.5	5177.5
33°	5618.2	5607.5	5592.4	5563.3	5516.9	5488.9	5417.8	5348.8	5278.8	5189.4	5094.5
34°	5500.8	5487.8	5468.4	5439.4	5391.9	5362.9	5305.7	5234.6	5160.3	5067.6	4979.3
35°	5343.5	5318.7	5313.3	5270.2	5226.0	5218.5	5150.6	5076.2	5000.8	4898.4	4821.9
36°	5148.4	5119.3	5099.9	5084.8	5055.8	5020.2	4953.4	4894.1	4797.2	4731.4	4623.7
37°	4882.3	4846.7	4865.0	4824.1	4778.8	4763.7	4678.6	4624.7	4542.9	4453.4	4361.8
38°	4571.9	4568.7	4564.4	4546.1	4468.5	4428.6	4393.1	4336.0	4264.9	4157.1	4033.2
39°	4179.7	4186.2	4163.6	4165.7	4126.9	4087.1	4037.5	3972.8	3886.6	3788.6	3688.4
40°	3798.3	3706.7	3722.9	3667.9	3671.1	3611.9	3547.2	3490.1	3435.2	3349.0	3212.1
42.5°	2628.1	2614.1	2565.6	2531.1	2546.2	2469.7	2384.6	2304.8	2228.3	2131.3	2011.7
45°	1420.2	1387.9	1397.6	1341.5	1341.5	1307.0	1283.3	1216.5	1145.4	1101.2	1032.3
47.5°	528.0	534.5	546.3	523.7	497.8	512.9	490.3	490.3	478.4	464.4	445.0
50°	143.3	145.5	143.3	143.3	140.1	137.9	133.6	132.5	131.5	128.2	122.8
52.5°	58.2	55.0	55.0	56.0	56.0	53.9	55.0	55.0	53.9	52.8	52.8
55°	9.7	10.8	10.8	10.8	10.8	9.7	9.7	10.8	11.9	10.8	10.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
2.5°	60.3	52.8	44.2	36.6	29.1	24.8	22.6	23.7
5°	102.4	77.6	50.6	32.3	22.6	17.2	14.0	12.9
7.5°	157.3	106.7	57.1	28.0	17.2	8.6	5.4	4.3
10°	241.4	139.0	61.4	23.7	10.8	2.2	0.0	0.0
12.5°	619.6	170.2	62.5	19.4	4.3	0.0	0.0	0.0
15°	1273.6	259.7	60.3	14.0	1.1	0.0	0.0	0.0
17.5°	2117.3	397.6	52.8	9.7	0.0	0.0	0.0	0.0
20°	2937.3	492.4	42.0	4.3	0.0	0.0	0.0	0.0
21°	3184.1	520.4	37.7	3.2	0.0	0.0	0.0	0.0
22°	3385.6	540.9	33.4	2.2	0.0	0.0	0.0	0.0
23°	3553.7	551.7	29.1	1.1	0.0	0.0	0.0	0.0
24°	3671.1	553.8	26.9	1.1	0.0	0.0	0.0	0.0
25°	3727.2	546.3	23.7	0.0	0.0	0.0	0.0	0.0
26°	3748.7	531.2	21.6	0.0	0.0	0.0	0.0	0.0
27°	3732.6	511.8	19.4	0.0	0.0	0.0	0.0	0.0
28°	3703.5	482.7	16.2	0.0	0.0	0.0	0.0	0.0
29°	3646.4	443.9	14.0	0.0	0.0	0.0	0.0	0.0
30°	3591.4	404.1	11.9	0.0	0.0	0.0	0.0	0.0
31°	3528.9	368.5	9.7	0.0	0.0	0.0	0.0	0.0
32°	3452.4	327.6	7.5	0.0	0.0	0.0	0.0	0.0
33°	3325.2	289.9	5.4	0.0	0.0	0.0	0.0	0.0
34°	3147.5	254.3	4.3	0.0	0.0	0.0	0.0	0.0
35°	2909.3	216.6	3.2	0.0	0.0	0.0	0.0	0.0
36°	2648.6	176.7	2.2	0.0	0.0	0.0	0.0	0.0
37°	2329.6	128.2	2.2	0.0	0.0	0.0	0.0	0.0
38°	1996.7	80.8	1.1	0.0	0.0	0.0	0.0	0.0
39°	1656.2	61.4	1.1	0.0	0.0	0.0	0.0	0.0
40°	1344.8	52.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	719.8	35.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	424.5	21.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	237.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	85.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11.9	0.0	0.0	1.1	0.0	0.0	0.0	0.0
57.5°	1.1	0.0	1.1	1.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.1	2.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.2	2.2	1.1	0.0	0.0	0.0
67.5°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
70°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
75°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
77.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
80°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
85°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)