

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: P1310222

Luminaire Tested: P3SQAS13R259040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310222
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: P3SQAS13R259040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

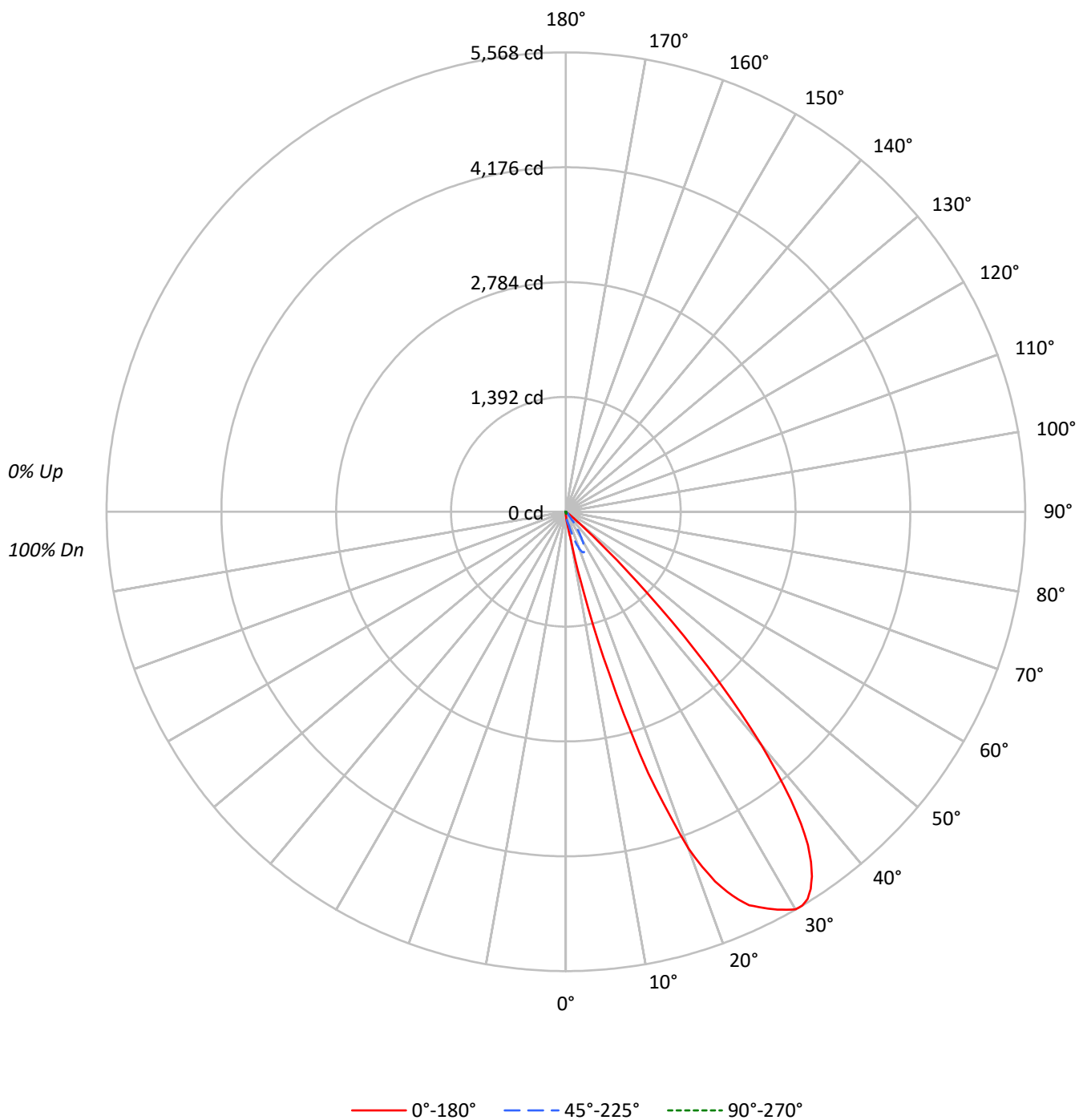
Lumens per Lamp: N/A
Luminaire Lumens: 1091.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	5942	5942	5942	5942	5942
5°	18602	13001	5411	2887	2161
10°	58655	23574	4022	367	0
15°	362747	44895	2425	0	0
20°	795361	87514	770	0	0
25°	999806	100676	0	0	0
30°	1106786	77935	0	0	0
35°	1089490	44151	0	0	0
40°	828127	11511	0	0	0
45°	335455	5090	0	0	0
50°	37242	563	0	0	0
55°	2822	0	300	0	0
60°	0	0	344	0	0
65°	0	0	856	0	0
70°	0	504	1057	0	0
75°	0	665	2063	0	0
80°	0	992	3075	0	0
85°	0	1976	6126	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 335455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.5
10°-20°	112.7	10.3
20°-30°	393.9	36.1
30°-40°	439.4	40.3
40°-50°	132.7	12.2
50°-60°	4.4	0.4
60°-70°	0.6	0.1
70°-80°	0.9	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°	512.0	46.9
0°-40°	951.4	87.2
0°-60°	1088.6	99.8
0°-90°	1091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	108	75	31	17	12	17
15°	2034	252	14	0	0	676
25°	5261	530	0	0	0	2400
35°	5182	210	0	0	0	3111
45°	1377	21	0	0	0	1190
55°	9	0	1	0	0	29
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°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	59.6	61.7	60.6	61.7	60.6	60.6	60.6	61.7	60.6	60.6	60.6
5°	107.6	108.7	108.7	107.6	107.6	109.7	107.6	108.7	105.5	107.6	106.6
7.5°	176.6	174.5	174.5	175.6	175.6	173.5	172.4	170.3	172.4	172.4	169.3
10°	335.4	333.3	328.1	326.0	328.1	328.1	317.7	319.8	320.8	311.4	308.3
12.5°	985.4	978.1	992.7	969.7	956.1	934.2	946.7	903.9	894.5	888.2	873.6
15°	2034.5	2089.9	2065.9	2068.0	2072.2	2019.9	2037.7	1972.9	1918.5	1901.8	1890.3
17.5°	3317.8	3334.5	3312.5	3302.1	3297.9	3272.8	3242.5	3210.1	3168.3	3131.8	3101.4
20°	4339.7	4327.2	4289.6	4293.7	4248.8	4225.8	4199.7	4167.3	4134.9	4081.6	4030.4
21°	4609.3	4572.8	4573.8	4548.7	4547.7	4518.4	4472.4	4439.0	4409.7	4349.1	4316.7
22°	4830.9	4822.5	4803.7	4784.9	4765.0	4750.4	4699.2	4682.5	4622.9	4572.8	4526.8
23°	5003.3	5006.4	4989.7	4977.2	4950.0	4943.7	4877.9	4854.9	4814.1	4737.9	4690.8
24°	5146.4	5141.2	5122.4	5100.5	5084.8	5070.2	5020.0	4982.4	4937.4	4874.7	4828.8
25°	5261.4	5248.8	5236.3	5219.6	5194.5	5177.8	5126.6	5084.8	5046.1	4976.1	4913.4
26°	5329.3	5332.4	5312.6	5300.0	5278.1	5261.4	5208.1	5159.0	5110.9	5035.7	4979.2
27°	5398.3	5395.1	5377.4	5358.6	5335.6	5329.3	5267.7	5216.4	5167.3	5087.9	5021.0
28°	5462.0	5453.7	5439.0	5417.1	5392.0	5373.2	5313.6	5260.3	5207.0	5122.4	5049.3
29°	5515.3	5506.9	5497.5	5469.3	5436.9	5424.4	5360.7	5295.9	5242.6	5155.8	5078.5
30°	5565.5	5549.8	5527.8	5503.8	5472.5	5448.4	5381.6	5325.1	5262.4	5166.3	5092.1
31°	5567.6	5546.7	5531.0	5505.9	5470.4	5441.1	5371.1	5313.6	5240.5	5150.6	5070.2
32°	5531.0	5520.5	5495.5	5468.3	5433.8	5404.5	5327.2	5266.6	5197.6	5101.5	5021.0
33°	5448.4	5438.0	5423.4	5395.1	5350.2	5323.0	5254.1	5187.2	5119.3	5032.5	4940.6
34°	5334.5	5322.0	5303.2	5275.0	5229.0	5200.8	5145.4	5076.4	5004.3	4914.5	4828.8
35°	5182.0	5157.9	5152.7	5110.9	5068.1	5060.7	4994.9	4922.8	4849.7	4750.4	4676.2
36°	4992.8	4964.6	4945.8	4931.2	4903.0	4868.5	4803.7	4746.2	4652.2	4588.4	4483.9
37°	4734.7	4700.2	4718.0	4678.3	4634.4	4619.8	4537.2	4485.0	4405.6	4318.8	4230.0
38°	4433.8	4430.6	4426.5	4408.7	4333.5	4294.8	4260.3	4204.9	4136.0	4031.5	3911.3
39°	4053.4	4059.7	4037.7	4039.8	4002.2	3963.5	3915.5	3852.8	3769.2	3674.1	3576.9
40°	3683.5	3594.7	3610.3	3557.0	3560.2	3502.7	3440.0	3384.6	3331.3	3247.7	3115.0
42.5°	2548.7	2535.1	2488.1	2454.6	2469.2	2395.1	2312.5	2235.2	2161.0	2066.9	1950.9
45°	1377.3	1345.9	1355.3	1301.0	1301.0	1267.5	1244.5	1179.8	1110.8	1068.0	1001.1
47.5°	512.0	518.3	529.8	507.9	482.8	497.4	475.5	475.5	464.0	450.4	431.6
50°	139.0	141.1	139.0	139.0	135.8	133.8	129.6	128.5	127.5	124.4	119.1
52.5°	56.4	53.3	53.3	54.3	54.3	52.2	53.3	53.3	52.2	51.2	51.2
55°	9.4	10.4	10.4	10.4	10.4	9.4	9.4	10.4	11.5	10.4	10.4
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°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	58.5	51.2	42.8	35.5	28.2	24.0	21.9	23.0
5°	99.3	75.2	49.1	31.3	21.9	16.7	13.6	12.5
7.5°	152.6	103.5	55.4	27.2	16.7	8.4	5.2	4.2
10°	234.1	134.8	59.6	23.0	10.4	2.1	0.0	0.0
12.5°	600.9	165.1	60.6	18.8	4.2	0.0	0.0	0.0
15°	1235.1	251.8	58.5	13.6	1.0	0.0	0.0	0.0
17.5°	2053.3	385.6	51.2	9.4	0.0	0.0	0.0	0.0
20°	2848.6	477.5	40.8	4.2	0.0	0.0	0.0	0.0
21°	3087.9	504.7	36.6	3.1	0.0	0.0	0.0	0.0
22°	3283.3	524.6	32.4	2.1	0.0	0.0	0.0	0.0
23°	3446.3	535.0	28.2	1.0	0.0	0.0	0.0	0.0
24°	3560.2	537.1	26.1	1.0	0.0	0.0	0.0	0.0
25°	3614.5	529.8	23.0	0.0	0.0	0.0	0.0	0.0
26°	3635.4	515.2	20.9	0.0	0.0	0.0	0.0	0.0
27°	3619.7	496.4	18.8	0.0	0.0	0.0	0.0	0.0
28°	3591.5	468.1	15.7	0.0	0.0	0.0	0.0	0.0
29°	3536.2	430.5	13.6	0.0	0.0	0.0	0.0	0.0
30°	3482.9	391.9	11.5	0.0	0.0	0.0	0.0	0.0
31°	3422.2	357.4	9.4	0.0	0.0	0.0	0.0	0.0
32°	3348.1	317.7	7.3	0.0	0.0	0.0	0.0	0.0
33°	3224.8	281.1	5.2	0.0	0.0	0.0	0.0	0.0
34°	3052.3	246.6	4.2	0.0	0.0	0.0	0.0	0.0
35°	2821.4	210.0	3.1	0.0	0.0	0.0	0.0	0.0
36°	2568.5	171.4	2.1	0.0	0.0	0.0	0.0	0.0
37°	2259.2	124.4	2.1	0.0	0.0	0.0	0.0	0.0
38°	1936.3	78.4	1.0	0.0	0.0	0.0	0.0	0.0
39°	1606.1	59.6	1.0	0.0	0.0	0.0	0.0	0.0
40°	1304.1	51.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	698.0	34.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	411.7	20.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	229.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	82.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0
57.5°	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.0	2.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.1	2.1	1.0	0.0	0.0	0.0
67.5°	0.0	1.0	2.1	2.1	1.0	0.0	0.0	0.0
70°	0.0	1.0	2.1	2.1	1.0	0.0	0.0	0.0
72.5°	0.0	1.0	2.1	3.1	1.0	0.0	0.0	0.0
75°	0.0	1.0	2.1	3.1	1.0	0.0	0.0	0.0
77.5°	0.0	1.0	2.1	3.1	1.0	0.0	0.0	0.0
80°	0.0	1.0	2.1	3.1	1.0	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°
82.5°	0.0	1.0	2.1	3.1	1.0	0.0	0.0	0.0
85°	0.0	1.0	2.1	3.1	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	2.1	3.1	1.0	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)