

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: P1317242

Luminaire Tested: P3SQAS17R259830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317242
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: P3SQAS17R259830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

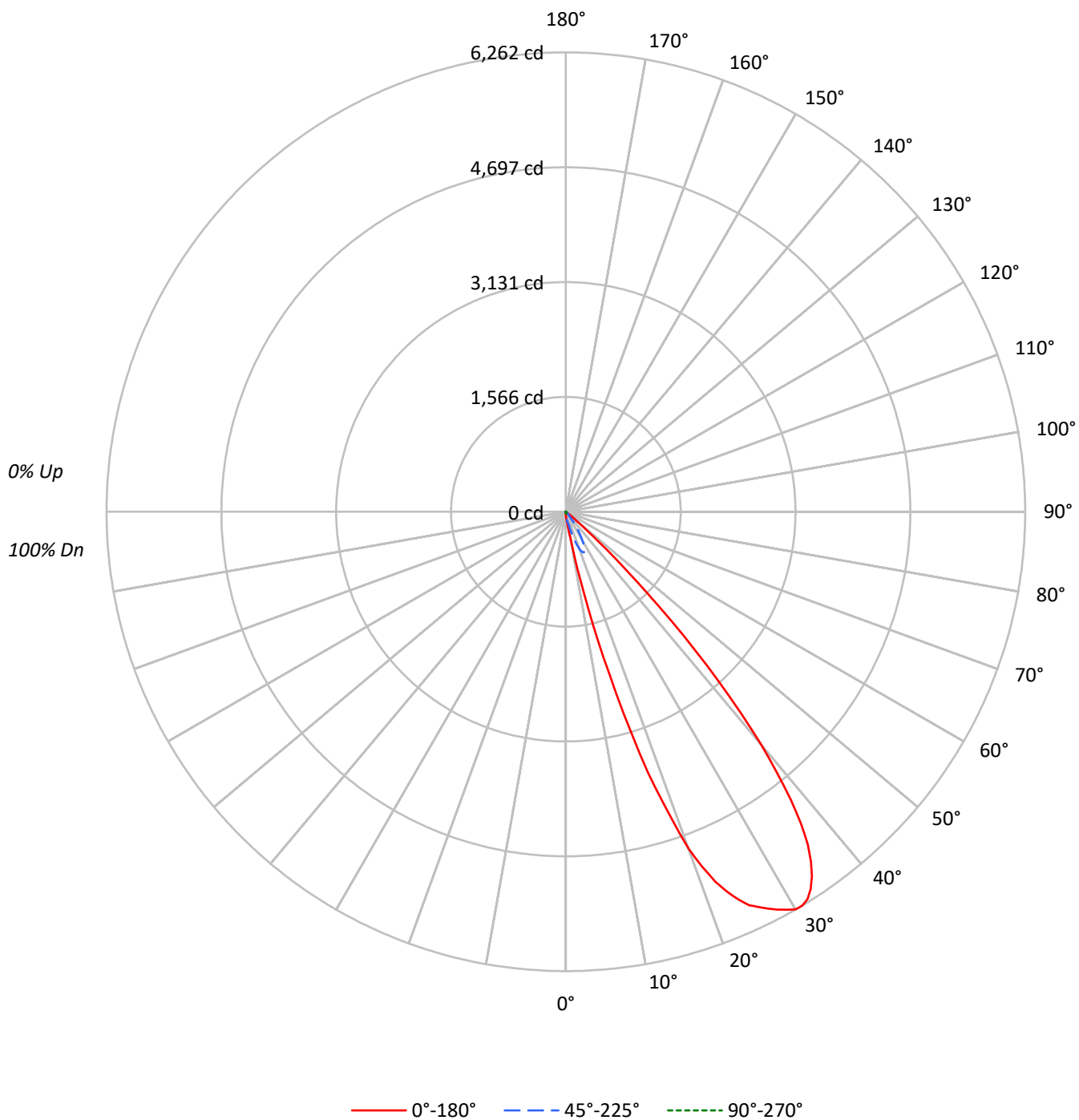
Lumens per Lamp: N/A
Luminaire Lumens: 1227.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
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°	6682	6682	6682	6682	6682
5°	20919	14626	6103	3250	2438
10°	65965	26512	4529	420	0
15°	407981	50494	2728	0	0
20°	894513	98437	861	0	0
25°	1124426	113218	0	0	0
30°	1244739	87640	0	0	0
35°	1225287	49660	0	0	0
40°	931365	12950	0	0	0
45°	377249	5724	0	0	0
50°	41878	643	0	0	0
55°	3183	0	360	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	2329	0	0
80°	0	1190	3471	0	0
85°	0	2371	6916	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 377249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.5
10°-20°	126.7	10.3
20°-30°	443.0	36.1
30°-40°	494.2	40.3
40°-50°	149.3	12.2
50°-60°	5.0	0.4
60°-70°	0.7	0.1
70°-80°	1.1	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°	575.8	46.9
0°-40°	1070.0	87.2
0°-60°	1224.3	99.8
0°-90°	1227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	121	85	35	19	14	19
15°	2288	283	15	0	0	761
25°	5917	596	0	0	0	2699
35°	5828	236	0	0	0	3499
45°	1549	24	0	0	0	1338
55°	11	0	1	0	0	33
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
2.5°	67.0	69.3	68.2	69.3	68.2	68.2	68.2	69.3	68.2	68.2	68.2
5°	121.0	122.2	122.2	121.0	121.0	123.4	121.0	122.2	118.7	121.0	119.9
7.5°	198.6	196.3	196.3	197.4	197.4	195.1	193.9	191.6	193.9	193.9	190.4
10°	377.2	374.9	369.0	366.7	369.0	369.0	357.3	359.6	360.8	350.2	346.7
12.5°	1108.2	1100.0	1116.5	1090.6	1075.3	1050.6	1064.8	1016.6	1006.0	998.9	982.5
15°	2288.2	2350.4	2323.4	2325.8	2330.5	2271.7	2291.7	2218.8	2157.7	2138.9	2126.0
17.5°	3731.3	3750.1	3725.5	3713.7	3709.0	3680.8	3646.7	3610.3	3563.3	3522.1	3488.1
20°	4880.7	4866.6	4824.3	4829.0	4778.5	4752.6	4723.2	4686.8	4650.4	4590.4	4532.8
21°	5183.9	5142.8	5143.9	5115.7	5114.6	5081.7	5030.0	4992.3	4959.4	4891.3	4854.8
22°	5433.1	5423.7	5402.5	5381.3	5359.0	5342.6	5285.0	5266.2	5199.2	5142.8	5091.1
23°	5627.0	5630.5	5611.7	5597.6	5567.0	5560.0	5485.9	5460.1	5414.3	5328.5	5275.6
24°	5788.0	5782.1	5760.9	5736.3	5718.6	5702.2	5645.8	5603.5	5552.9	5482.4	5430.7
25°	5917.2	5903.1	5889.0	5870.2	5842.0	5823.2	5765.6	5718.6	5675.2	5596.4	5525.9
26°	5993.6	5997.2	5974.8	5960.7	5936.1	5917.2	5857.3	5802.1	5748.0	5663.4	5599.9
27°	6071.2	6067.7	6047.7	6026.5	6000.7	5993.6	5924.3	5866.7	5811.5	5722.2	5646.9
28°	6142.9	6133.5	6117.0	6092.4	6064.1	6043.0	5976.0	5916.1	5856.1	5760.9	5678.7
29°	6202.8	6193.4	6182.8	6151.1	6114.7	6100.6	6028.9	5956.0	5896.1	5798.5	5711.6
30°	6259.2	6241.6	6216.9	6189.9	6154.6	6127.6	6052.4	5988.9	5918.4	5810.3	5726.9
31°	6261.6	6238.1	6220.5	6192.2	6152.3	6119.4	6040.6	5976.0	5893.7	5792.7	5702.2
32°	6220.5	6208.7	6180.5	6149.9	6111.2	6078.3	5991.3	5923.1	5845.6	5737.4	5646.9
33°	6127.6	6115.9	6099.4	6067.7	6017.1	5986.6	5909.0	5833.8	5757.4	5659.9	5556.5
34°	5999.5	5985.4	5964.3	5932.5	5880.8	5849.1	5786.8	5709.2	5628.1	5527.1	5430.7
35°	5827.9	5800.9	5795.0	5748.0	5699.8	5691.6	5617.6	5536.5	5454.2	5342.6	5259.1
36°	5615.2	5583.5	5562.3	5545.9	5514.1	5475.4	5402.5	5337.9	5232.1	5160.4	5042.9
37°	5324.9	5286.2	5306.1	5261.5	5212.1	5195.7	5102.8	5044.1	4954.7	4857.2	4757.3
38°	4986.5	4982.9	4978.2	4958.3	4873.6	4830.2	4791.4	4729.1	4651.5	4534.0	4398.9
39°	4558.7	4565.7	4541.1	4543.4	4501.1	4457.6	4403.6	4333.0	4239.0	4132.1	4022.8
40°	4142.7	4042.8	4060.4	4000.5	4004.0	3939.3	3868.8	3806.5	3746.6	3652.6	3503.3
42.5°	2866.4	2851.1	2798.2	2760.6	2777.1	2693.6	2600.8	2513.8	2430.4	2324.6	2194.1
45°	1548.9	1513.7	1524.3	1463.2	1463.2	1425.5	1399.7	1326.8	1249.3	1201.1	1125.9
47.5°	575.9	582.9	595.8	571.2	543.0	559.4	534.7	534.7	521.8	506.5	485.4
50°	156.3	158.7	156.3	156.3	152.8	150.4	145.7	144.6	143.4	139.9	134.0
52.5°	63.5	59.9	59.9	61.1	61.1	58.8	59.9	59.9	58.8	57.6	57.6
55°	10.6	11.8	11.8	11.8	11.8	10.6	10.6	11.8	12.9	11.8	11.8
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°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
2.5°	65.8	57.6	48.2	40.0	31.7	27.0	24.7	25.9
5°	111.6	84.6	55.2	35.3	24.7	18.8	15.3	14.1
7.5°	171.6	116.3	62.3	30.6	18.8	9.4	5.9	4.7
10°	263.2	151.6	67.0	25.9	11.8	2.4	0.0	0.0
12.5°	675.8	185.7	68.2	21.2	4.7	0.0	0.0	0.0
15°	1389.1	283.2	65.8	15.3	1.2	0.0	0.0	0.0
17.5°	2309.3	433.7	57.6	10.6	0.0	0.0	0.0	0.0
20°	3203.7	537.1	45.8	4.7	0.0	0.0	0.0	0.0
21°	3472.8	567.6	41.1	3.5	0.0	0.0	0.0	0.0
22°	3692.5	590.0	36.4	2.4	0.0	0.0	0.0	0.0
23°	3875.9	601.7	31.7	1.2	0.0	0.0	0.0	0.0
24°	4004.0	604.1	29.4	1.2	0.0	0.0	0.0	0.0
25°	4065.1	595.8	25.9	0.0	0.0	0.0	0.0	0.0
26°	4088.6	579.4	23.5	0.0	0.0	0.0	0.0	0.0
27°	4071.0	558.2	21.2	0.0	0.0	0.0	0.0	0.0
28°	4039.2	526.5	17.6	0.0	0.0	0.0	0.0	0.0
29°	3977.0	484.2	15.3	0.0	0.0	0.0	0.0	0.0
30°	3917.0	440.7	12.9	0.0	0.0	0.0	0.0	0.0
31°	3848.9	401.9	10.6	0.0	0.0	0.0	0.0	0.0
32°	3765.4	357.3	8.2	0.0	0.0	0.0	0.0	0.0
33°	3626.7	316.1	5.9	0.0	0.0	0.0	0.0	0.0
34°	3432.8	277.4	4.7	0.0	0.0	0.0	0.0	0.0
35°	3173.1	236.2	3.5	0.0	0.0	0.0	0.0	0.0
36°	2888.7	192.7	2.4	0.0	0.0	0.0	0.0	0.0
37°	2540.8	139.9	2.4	0.0	0.0	0.0	0.0	0.0
38°	2177.7	88.1	1.2	0.0	0.0	0.0	0.0	0.0
39°	1806.3	67.0	1.2	0.0	0.0	0.0	0.0	0.0
40°	1466.7	57.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	785.0	38.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	463.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	258.5	9.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	92.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12.9	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.4	2.4	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.4	3.5	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.4	3.5	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.4	3.5	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.4	3.5	1.2	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	1.2	2.4	3.5	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.4	3.5	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.4	3.5	1.2	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)