

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: P1306053

Luminaire Tested: P3SQASS17R259024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306053
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: P3SQASS17R259024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

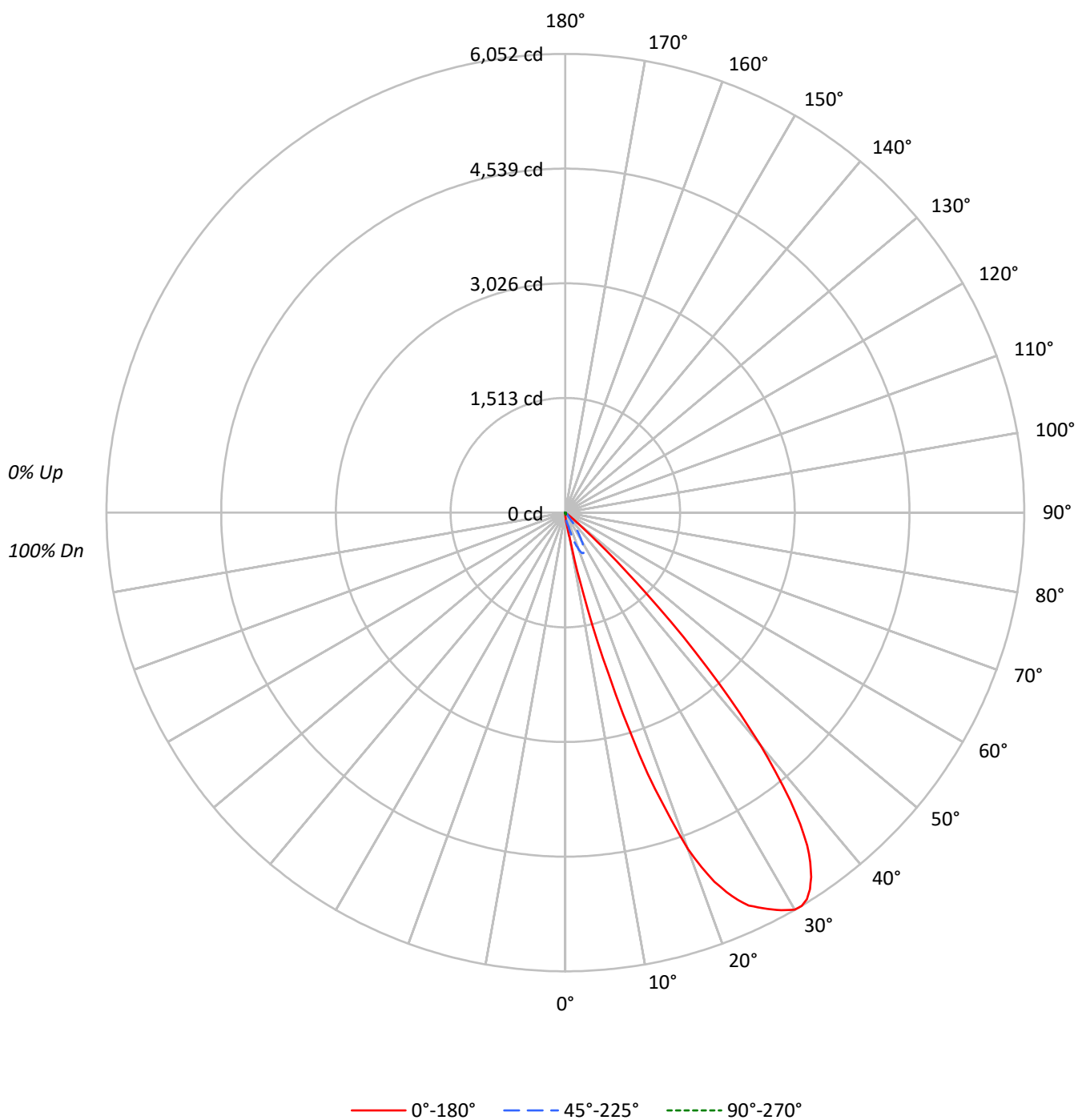
Lumens per Lamp: N/A
Luminaire Lumens: 1186.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	6458	6458	6458	6458	6458
5°	20227	14142	5895	3146	2351
10°	63761	25620	4372	402	0
15°	394342	48818	2639	0	0
20°	864621	95138	825	0	0
25°	1086857	109436	0	0	0
30°	1203157	84717	0	0	0
35°	1184352	47999	0	0	0
40°	900227	12523	0	0	0
45°	364657	5529	0	0	0
50°	40484	616	0	0	0
55°	3063	0	330	0	0
60°	0	0	379	0	0
65°	0	0	937	0	0
70°	0	554	1158	0	0
75°	0	732	2262	0	0
80°	0	1091	3372	0	0
85°	0	2174	6719	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 364657 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.5
10°-20°	122.5	10.3
20°-30°	428.2	36.1
30°-40°	477.7	40.3
40°-50°	144.3	12.2
50°-60°	4.8	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°	556.6	46.9
0°-40°	1034.3	87.2
0°-60°	1183.4	99.8
0°-90°	1186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1186.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	117	82	34	18	14	18
15°	2212	274	15	0	0	735
25°	5720	576	0	0	0	2609
35°	5633	228	0	0	0	3382
45°	1497	23	0	0	0	1293
55°	10	0	1	0	0	32
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°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2.5°	64.7	67.0	65.9	67.0	65.9	65.9	65.9	67.0	65.9	65.9	65.9
5°	117.0	118.1	118.1	117.0	117.0	119.3	117.0	118.1	114.7	117.0	115.9
7.5°	192.0	189.7	189.7	190.8	190.8	188.6	187.4	185.2	187.4	187.4	184.0
10°	364.6	362.4	356.7	354.4	356.7	356.7	345.3	347.6	348.7	338.5	335.1
12.5°	1071.2	1063.3	1079.2	1054.2	1039.4	1015.5	1029.2	982.6	972.4	965.6	949.7
15°	2211.7	2271.9	2245.8	2248.1	2252.6	2195.8	2215.1	2144.7	2085.6	2067.4	2054.9
17.5°	3606.7	3624.8	3601.0	3589.6	3585.1	3557.8	3524.9	3489.6	3444.2	3404.5	3371.5
20°	4717.6	4704.0	4663.1	4667.6	4618.8	4593.8	4565.4	4530.2	4495.0	4437.0	4381.4
21°	5010.7	4970.9	4972.1	4944.8	4943.7	4911.9	4861.9	4825.5	4793.7	4727.8	4692.6
22°	5251.5	5242.4	5222.0	5201.5	5179.9	5164.0	5108.4	5090.2	5025.5	4970.9	4920.9
23°	5438.9	5442.4	5424.2	5410.5	5381.0	5374.2	5302.6	5277.6	5233.3	5150.4	5099.3
24°	5594.6	5588.9	5568.4	5544.6	5527.5	5511.6	5457.1	5416.2	5367.4	5299.2	5249.2
25°	5719.5	5705.9	5692.3	5674.1	5646.8	5628.6	5573.0	5527.5	5485.5	5409.4	5341.3
26°	5793.4	5796.8	5775.2	5761.6	5737.7	5719.5	5661.6	5608.2	5555.9	5474.2	5412.8
27°	5868.3	5864.9	5845.6	5825.2	5800.2	5793.4	5726.3	5670.7	5617.3	5531.0	5458.3
28°	5937.6	5928.5	5912.6	5888.8	5861.5	5841.1	5776.3	5718.4	5660.5	5568.4	5488.9
29°	5995.6	5986.5	5976.2	5945.6	5910.4	5896.7	5827.4	5757.0	5699.1	5604.8	5520.7
30°	6050.1	6033.0	6009.2	5983.1	5949.0	5922.9	5850.2	5788.8	5720.7	5616.2	5535.5
31°	6052.4	6029.6	6012.6	5985.3	5946.7	5914.9	5838.8	5776.3	5696.8	5599.1	5511.6
32°	6012.6	6001.2	5974.0	5944.4	5907.0	5875.1	5791.1	5725.2	5650.2	5545.7	5458.3
33°	5922.9	5911.5	5895.6	5864.9	5816.1	5786.5	5711.6	5638.9	5565.0	5470.7	5370.8
34°	5799.0	5785.4	5765.0	5734.3	5684.3	5653.6	5593.4	5518.5	5440.1	5342.4	5249.2
35°	5633.2	5607.1	5601.4	5555.9	5509.4	5501.4	5429.9	5351.5	5272.0	5164.0	5083.4
36°	5427.6	5396.9	5376.5	5360.6	5329.9	5292.4	5222.0	5159.5	5057.3	4988.0	4874.4
37°	5147.0	5109.5	5128.8	5085.7	5038.0	5022.0	4932.3	4875.5	4789.2	4694.9	4598.3
38°	4819.8	4816.4	4811.9	4792.6	4710.8	4668.8	4631.3	4571.1	4496.1	4382.5	4251.9
39°	4406.4	4413.2	4389.3	4391.6	4350.7	4308.7	4256.4	4188.3	4097.4	3994.0	3888.4
40°	4004.2	3907.7	3924.7	3866.8	3870.2	3807.7	3739.6	3679.4	3621.4	3530.5	3386.3
42.5°	2770.6	2755.8	2704.7	2668.4	2684.3	2603.6	2513.9	2429.8	2349.2	2246.9	2120.8
45°	1497.2	1463.1	1473.3	1414.3	1414.3	1377.9	1352.9	1282.5	1207.5	1160.9	1088.2
47.5°	556.6	563.4	575.9	552.1	524.8	540.7	516.9	516.9	504.4	489.6	469.1
50°	151.1	153.4	151.1	151.1	147.7	145.4	140.9	139.7	138.6	135.2	129.5
52.5°	61.3	57.9	57.9	59.1	59.1	56.8	57.9	57.9	56.8	55.7	55.7
55°	10.2	11.4	11.4	11.4	11.4	10.2	10.2	11.4	12.5	11.4	11.4
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°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2.5°	63.6	55.7	46.6	38.6	30.7	26.1	23.9	25.0
5°	107.9	81.8	53.4	34.1	23.9	18.2	14.8	13.6
7.5°	165.8	112.5	60.2	29.5	18.2	9.1	5.7	4.5
10°	254.5	146.5	64.7	25.0	11.4	2.3	0.0	0.0
12.5°	653.2	179.5	65.9	20.4	4.5	0.0	0.0	0.0
15°	1342.7	273.8	63.6	14.8	1.1	0.0	0.0	0.0
17.5°	2232.1	419.2	55.7	10.2	0.0	0.0	0.0	0.0
20°	3096.6	519.1	44.3	4.5	0.0	0.0	0.0	0.0
21°	3356.7	548.7	39.8	3.4	0.0	0.0	0.0	0.0
22°	3569.2	570.2	35.2	2.3	0.0	0.0	0.0	0.0
23°	3746.4	581.6	30.7	1.1	0.0	0.0	0.0	0.0
24°	3870.2	583.9	28.4	1.1	0.0	0.0	0.0	0.0
25°	3929.3	575.9	25.0	0.0	0.0	0.0	0.0	0.0
26°	3952.0	560.0	22.7	0.0	0.0	0.0	0.0	0.0
27°	3934.9	539.6	20.4	0.0	0.0	0.0	0.0	0.0
28°	3904.3	508.9	17.0	0.0	0.0	0.0	0.0	0.0
29°	3844.1	468.0	14.8	0.0	0.0	0.0	0.0	0.0
30°	3786.1	426.0	12.5	0.0	0.0	0.0	0.0	0.0
31°	3720.2	388.5	10.2	0.0	0.0	0.0	0.0	0.0
32°	3639.6	345.3	8.0	0.0	0.0	0.0	0.0	0.0
33°	3505.6	305.6	5.7	0.0	0.0	0.0	0.0	0.0
34°	3318.1	268.1	4.5	0.0	0.0	0.0	0.0	0.0
35°	3067.1	228.3	3.4	0.0	0.0	0.0	0.0	0.0
36°	2792.2	186.3	2.3	0.0	0.0	0.0	0.0	0.0
37°	2455.9	135.2	2.3	0.0	0.0	0.0	0.0	0.0
38°	2104.9	85.2	1.1	0.0	0.0	0.0	0.0	0.0
39°	1746.0	64.7	1.1	0.0	0.0	0.0	0.0	0.0
40°	1417.7	55.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	758.8	37.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	447.6	22.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	249.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	89.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	35.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12.5	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	2.3	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.3	2.3	1.1	0.0	0.0	0.0
67.5°	0.0	1.1	2.3	2.3	1.1	0.0	0.0	0.0
70°	0.0	1.1	2.3	2.3	1.1	0.0	0.0	0.0
72.5°	0.0	1.1	2.3	3.4	1.1	0.0	0.0	0.0
75°	0.0	1.1	2.3	3.4	1.1	0.0	0.0	0.0
77.5°	0.0	1.1	2.3	3.4	1.1	0.0	0.0	0.0
80°	0.0	1.1	2.3	3.4	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	2.3	3.4	1.1	0.0	0.0	0.0
85°	0.0	1.1	2.3	3.4	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	2.3	3.4	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)