

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: P1315333

Luminaire Tested: P3SQAS13R259740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315333
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: P3SQAS13R259740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

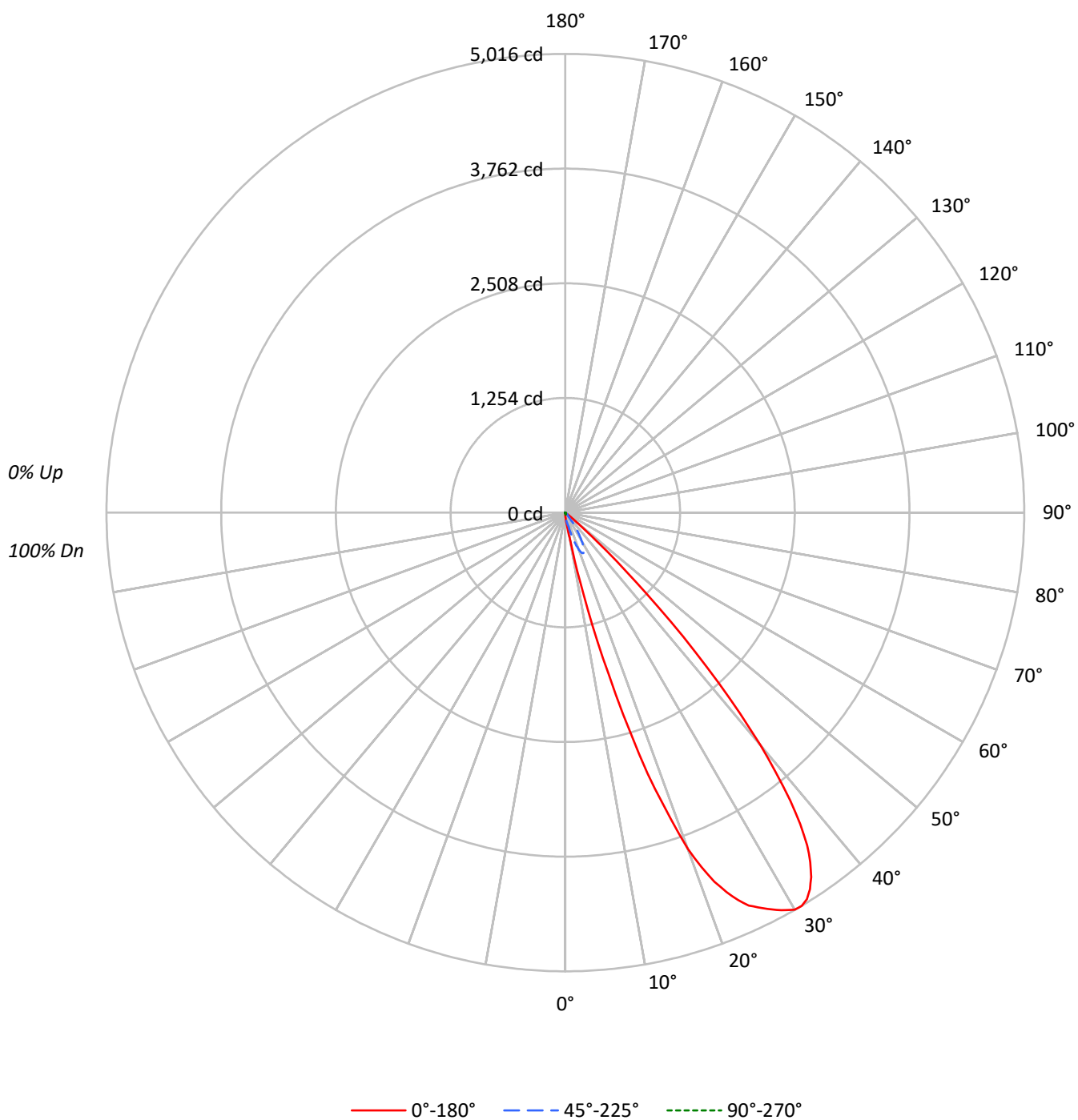
Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	5356	5356	5356	5356	5356
5°	16769	11721	4875	2610	1954
10°	52849	21248	3620	332	0
15°	326838	40456	2175	0	0
20°	716626	78863	696	0	0
25°	900821	90719	0	0	0
30°	997211	70219	0	0	0
35°	981634	39778	0	0	0
40°	746157	10364	0	0	0
45°	302233	4579	0	0	0
50°	33545	509	0	0	0
55°	2552	0	270	0	0
60°	0	0	310	0	0
65°	0	0	774	0	0
70°	0	453	957	0	0
75°	0	599	1863	0	0
80°	0	893	2777	0	0
85°	0	1778	5533	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 302233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.5
10°-20°	101.5	10.3
20°-30°	354.9	36.1
30°-40°	395.9	40.3
40°-50°	119.6	12.2
50°-60°	4.0	0.4
60°-70°	0.5	0.1
70°-80°	0.8	0.1
80°-90°	0.8	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°	461.3	46.9
0°-40°	857.3	87.2
0°-60°	980.8	99.8
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	97	68	28	15	11	15
15°	1833	227	12	0	0	609
25°	4740	477	0	0	0	2163
35°	4669	189	0	0	0	2803
45°	1241	19	0	0	0	1072
55°	8	0	1	0	0	26
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°	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
2.5°	53.7	55.5	54.6	55.5	54.6	54.6	54.6	55.5	54.6	54.6	54.6
5°	97.0	97.9	97.9	97.0	97.0	98.9	97.0	97.9	95.1	97.0	96.0
7.5°	159.1	157.2	157.2	158.2	158.2	156.3	155.4	153.5	155.4	155.4	152.5
10°	302.2	300.3	295.6	293.8	295.6	295.6	286.2	288.1	289.0	280.6	277.7
12.5°	887.9	881.3	894.4	873.7	861.5	841.7	853.0	814.4	805.9	800.3	787.1
15°	1833.1	1883.0	1861.4	1863.3	1867.0	1820.0	1836.0	1777.6	1728.6	1713.6	1703.2
17.5°	2989.3	3004.4	2984.6	2975.2	2971.4	2948.8	2921.5	2892.3	2854.7	2821.7	2794.4
20°	3910.1	3898.8	3864.9	3868.7	3828.2	3807.5	3784.0	3754.8	3725.6	3677.6	3631.4
21°	4153.0	4120.1	4121.0	4098.4	4097.5	4071.1	4029.7	3999.6	3973.2	3918.6	3889.4
22°	4352.6	4345.1	4328.2	4311.2	4293.3	4280.1	4234.0	4218.9	4165.3	4120.1	4078.7
23°	4508.0	4510.8	4495.8	4484.5	4460.0	4454.3	4395.0	4374.3	4337.6	4268.8	4226.5
24°	4637.0	4632.3	4615.3	4595.6	4581.4	4568.3	4523.1	4489.2	4448.7	4392.2	4350.8
25°	4740.5	4729.3	4718.0	4702.9	4680.3	4665.2	4619.1	4581.4	4546.6	4483.5	4427.0
26°	4801.7	4804.6	4786.7	4775.4	4755.6	4740.5	4692.5	4648.3	4605.0	4537.2	4486.3
27°	4863.9	4861.1	4845.1	4828.1	4807.4	4801.7	4746.2	4700.1	4655.8	4584.3	4524.0
28°	4921.3	4913.8	4900.6	4880.8	4858.2	4841.3	4787.6	4739.6	4691.6	4615.3	4549.4
29°	4969.3	4961.8	4953.3	4927.9	4898.7	4887.4	4830.0	4771.6	4723.6	4645.5	4575.8
30°	5014.5	5000.4	4980.6	4959.0	4930.7	4909.1	4848.8	4798.0	4741.5	4654.9	4588.0
31°	5016.4	4997.6	4983.5	4960.9	4928.9	4902.5	4839.4	4787.6	4721.7	4640.7	4568.3
32°	4983.5	4974.0	4951.4	4927.0	4895.9	4869.5	4799.9	4745.3	4683.1	4596.5	4524.0
33°	4909.1	4899.7	4886.5	4861.1	4820.6	4796.1	4734.0	4673.7	4612.5	4534.4	4451.5
34°	4806.5	4795.2	4778.2	4752.8	4711.4	4685.9	4636.0	4573.9	4508.9	4428.0	4350.8
35°	4669.0	4647.3	4642.6	4605.0	4566.4	4559.8	4500.5	4435.5	4369.6	4280.1	4213.3
36°	4498.6	4473.2	4456.2	4443.0	4417.6	4386.5	4328.2	4276.4	4191.6	4134.2	4040.1
37°	4266.0	4235.0	4251.0	4215.2	4175.6	4162.5	4088.1	4041.0	3969.4	3891.3	3811.3
38°	3994.9	3992.0	3988.3	3972.3	3904.5	3869.6	3838.6	3788.7	3726.5	3632.4	3524.1
39°	3652.2	3657.8	3638.0	3639.9	3606.0	3571.2	3527.9	3471.4	3396.1	3310.4	3222.8
40°	3318.9	3238.8	3252.9	3204.9	3207.8	3156.0	3099.5	3049.6	3001.6	2926.2	2806.7
42.5°	2296.4	2284.1	2241.8	2211.6	2224.8	2158.0	2083.6	2013.9	1947.1	1862.3	1757.8
45°	1240.9	1212.7	1221.2	1172.2	1172.2	1142.1	1121.3	1063.0	1000.8	962.2	902.0
47.5°	461.3	467.0	477.4	457.6	435.0	448.2	428.4	428.4	418.0	405.8	388.8
50°	125.2	127.1	125.2	125.2	122.4	120.5	116.7	115.8	114.9	112.0	107.3
52.5°	50.8	48.0	48.0	49.0	49.0	47.1	48.0	48.0	47.1	46.1	46.1
55°	8.5	9.4	9.4	9.4	9.4	8.5	8.5	9.4	10.4	9.4	9.4
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°	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
2.5°	52.7	46.1	38.6	32.0	25.4	21.7	19.8	20.7
5°	89.4	67.8	44.3	28.2	19.8	15.1	12.2	11.3
7.5°	137.5	93.2	49.9	24.5	15.1	7.5	4.7	3.8
10°	210.9	121.5	53.7	20.7	9.4	1.9	0.0	0.0
12.5°	541.4	148.8	54.6	16.9	3.8	0.0	0.0	0.0
15°	1112.9	226.9	52.7	12.2	0.9	0.0	0.0	0.0
17.5°	1850.1	347.4	46.1	8.5	0.0	0.0	0.0	0.0
20°	2566.6	430.3	36.7	3.8	0.0	0.0	0.0	0.0
21°	2782.2	454.8	33.0	2.8	0.0	0.0	0.0	0.0
22°	2958.3	472.6	29.2	1.9	0.0	0.0	0.0	0.0
23°	3105.1	482.1	25.4	0.9	0.0	0.0	0.0	0.0
24°	3207.8	483.9	23.5	0.9	0.0	0.0	0.0	0.0
25°	3256.7	477.4	20.7	0.0	0.0	0.0	0.0	0.0
26°	3275.5	464.2	18.8	0.0	0.0	0.0	0.0	0.0
27°	3261.4	447.2	16.9	0.0	0.0	0.0	0.0	0.0
28°	3236.0	421.8	14.1	0.0	0.0	0.0	0.0	0.0
29°	3186.1	387.9	12.2	0.0	0.0	0.0	0.0	0.0
30°	3138.1	353.1	10.4	0.0	0.0	0.0	0.0	0.0
31°	3083.5	322.0	8.5	0.0	0.0	0.0	0.0	0.0
32°	3016.6	286.2	6.6	0.0	0.0	0.0	0.0	0.0
33°	2905.5	253.3	4.7	0.0	0.0	0.0	0.0	0.0
34°	2750.2	222.2	3.8	0.0	0.0	0.0	0.0	0.0
35°	2542.1	189.2	2.8	0.0	0.0	0.0	0.0	0.0
36°	2314.3	154.4	1.9	0.0	0.0	0.0	0.0	0.0
37°	2035.6	112.0	1.9	0.0	0.0	0.0	0.0	0.0
38°	1744.6	70.6	0.9	0.0	0.0	0.0	0.0	0.0
39°	1447.1	53.7	0.9	0.0	0.0	0.0	0.0	0.0
40°	1175.0	46.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	628.9	31.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	371.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	207.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	74.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10.4	0.0	0.0	0.9	0.0	0.0	0.0	0.0
57.5°	0.9	0.0	0.9	0.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.9	1.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.9	1.9	0.9	0.0	0.0	0.0
67.5°	0.0	0.9	1.9	1.9	0.9	0.0	0.0	0.0
70°	0.0	0.9	1.9	1.9	0.9	0.0	0.0	0.0
72.5°	0.0	0.9	1.9	2.8	0.9	0.0	0.0	0.0
75°	0.0	0.9	1.9	2.8	0.9	0.0	0.0	0.0
77.5°	0.0	0.9	1.9	2.8	0.9	0.0	0.0	0.0
80°	0.0	0.9	1.9	2.8	0.9	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	0.9	1.9	2.8	0.9	0.0	0.0	0.0
85°	0.0	0.9	1.9	2.8	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	1.9	2.8	0.9	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)