

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: P1314361

Luminaire Tested: P3SQAS13R259735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314361
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: P3SQAS13R259735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

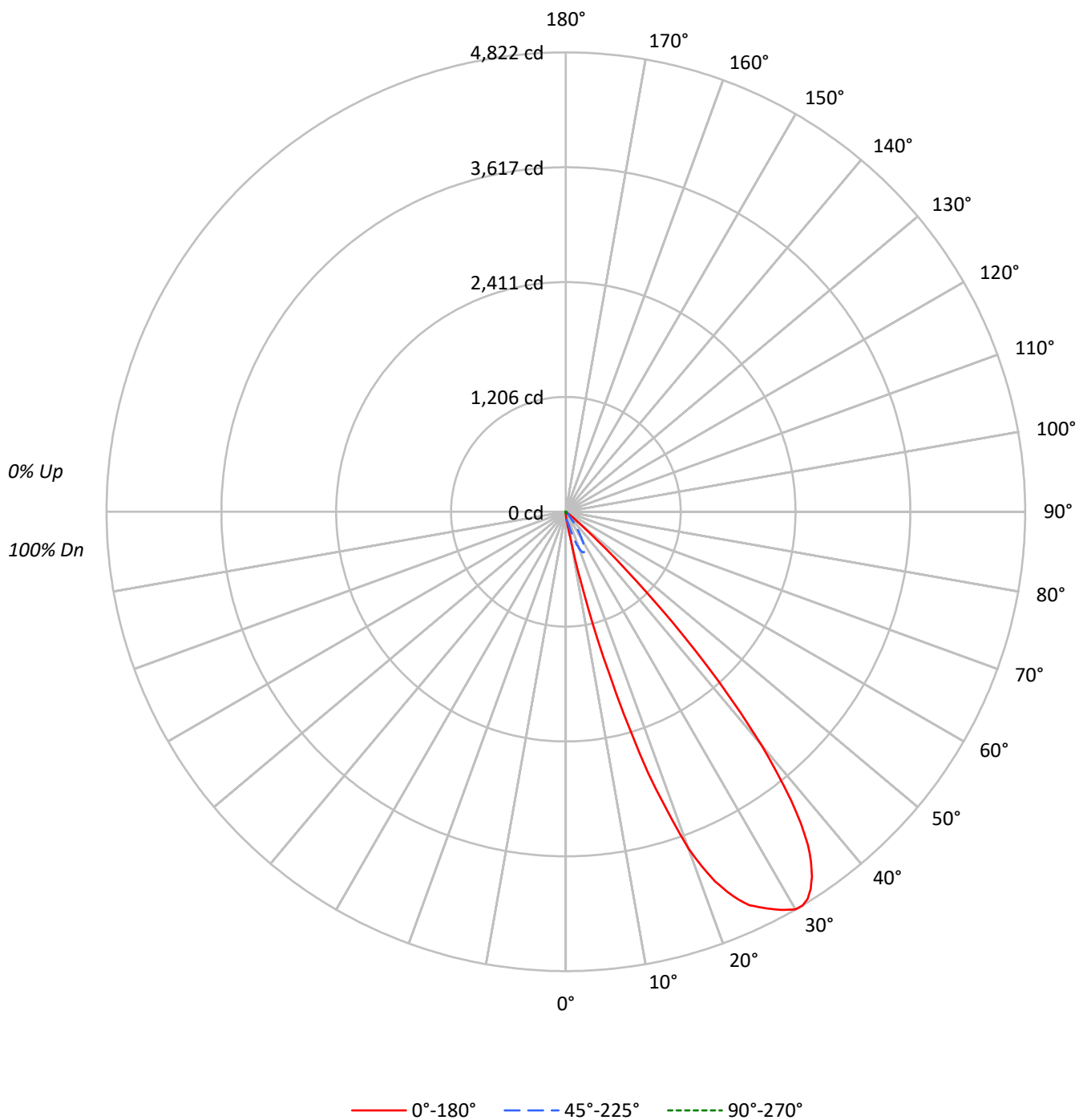
Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	5149	5149	5149	5149	5149
5°	16112	11272	4702	2507	1884
10°	50802	20426	3480	315	0
15°	314215	38887	2104	0	0
20°	688933	75803	660	0	0
25°	866008	87203	0	0	0
30°	958671	67495	0	0	0
35°	943685	38244	0	0	0
40°	717313	9982	0	0	0
45°	290567	4408	0	0	0
50°	32259	482	0	0	0
55°	2432	0	270	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1797	0	0
80°	0	893	2678	0	0
85°	0	1778	5335	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 290567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.5
10°-20°	97.6	10.3
20°-30°	341.2	36.1
30°-40°	380.6	40.3
40°-50°	115.0	12.2
50°-60°	3.8	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°	443.5	46.9
0°-40°	824.1	87.2
0°-60°	942.9	99.8
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	93	65	27	14	11	14
15°	1762	218	12	0	0	586
25°	4557	459	0	0	0	2079
35°	4488	182	0	0	0	2695
45°	1193	18	0	0	0	1030
55°	8	0	1	0	0	25
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°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
2.5°	51.6	53.4	52.5	53.4	52.5	52.5	52.5	53.4	52.5	52.5	52.5
5°	93.2	94.1	94.1	93.2	93.2	95.0	93.2	94.1	91.4	93.2	92.3
7.5°	153.0	151.2	151.2	152.1	152.1	150.3	149.3	147.5	149.3	149.3	146.6
10°	290.5	288.7	284.2	282.4	284.2	284.2	275.2	277.0	277.9	269.7	267.0
12.5°	853.5	847.2	859.9	840.0	828.2	809.2	820.0	782.9	774.8	769.4	756.7
15°	1762.3	1810.2	1789.4	1791.2	1794.9	1749.6	1765.0	1708.9	1661.8	1647.3	1637.4
17.5°	2873.8	2888.2	2869.2	2860.2	2856.6	2834.8	2808.6	2780.5	2744.3	2712.7	2686.4
20°	3759.0	3748.1	3715.5	3719.1	3680.2	3660.3	3637.7	3609.6	3581.6	3535.4	3491.1
21°	3992.5	3960.8	3961.7	3940.0	3939.1	3913.8	3873.9	3845.0	3819.6	3767.1	3739.1
22°	4184.4	4177.1	4160.8	4144.6	4127.4	4114.7	4070.3	4055.9	4004.3	3960.8	3921.0
23°	4333.7	4336.4	4322.0	4311.1	4287.6	4282.1	4225.1	4205.2	4169.9	4103.8	4063.1
24°	4457.7	4453.2	4436.9	4417.9	4404.3	4391.7	4348.2	4315.6	4276.7	4222.4	4182.6
25°	4557.3	4546.4	4535.6	4521.1	4499.4	4484.9	4440.5	4404.3	4370.8	4310.2	4255.9
26°	4616.1	4618.8	4601.6	4590.8	4571.8	4557.3	4511.1	4468.6	4427.0	4361.8	4312.9
27°	4675.9	4673.1	4657.8	4641.5	4621.6	4616.1	4562.7	4518.4	4475.8	4407.0	4349.1
28°	4731.1	4723.8	4711.2	4692.2	4670.4	4654.1	4602.5	4556.4	4510.2	4436.9	4373.6
29°	4777.2	4770.0	4761.9	4737.4	4709.4	4698.5	4643.3	4587.2	4541.0	4465.9	4398.9
30°	4820.7	4807.1	4788.1	4767.3	4740.1	4719.3	4661.4	4612.5	4558.2	4474.9	4410.7
31°	4822.5	4804.4	4790.8	4769.1	4738.3	4713.0	4652.3	4602.5	4539.2	4461.3	4391.7
32°	4790.8	4781.8	4760.0	4736.5	4706.6	4681.3	4614.3	4561.8	4502.1	4418.8	4349.1
33°	4719.3	4710.3	4697.6	4673.1	4634.2	4610.7	4551.0	4493.0	4434.2	4359.1	4279.4
34°	4620.7	4609.8	4593.5	4569.1	4529.2	4504.8	4456.8	4397.1	4334.6	4256.8	4182.6
35°	4488.5	4467.7	4463.2	4427.0	4389.8	4383.5	4326.5	4264.0	4200.7	4114.7	4050.4
36°	4324.7	4300.2	4283.9	4271.3	4246.8	4217.0	4160.8	4111.1	4029.6	3974.4	3883.9
37°	4101.1	4071.2	4086.6	4052.2	4014.2	4001.5	3930.0	3884.8	3816.0	3740.9	3663.9
38°	3840.4	3837.7	3834.1	3818.7	3753.5	3720.1	3690.2	3642.2	3582.5	3492.0	3387.9
39°	3511.0	3516.4	3497.4	3499.2	3466.6	3433.1	3391.5	3337.2	3264.8	3182.4	3098.2
40°	3190.6	3113.6	3127.2	3081.0	3083.8	3034.0	2979.7	2931.7	2885.5	2813.1	2698.2
42.5°	2207.6	2195.8	2155.1	2126.1	2138.8	2074.5	2003.0	1936.1	1871.8	1790.3	1689.9
45°	1193.0	1165.8	1173.9	1126.9	1126.9	1097.9	1078.0	1021.9	962.1	925.0	867.1
47.5°	443.5	448.9	458.9	439.9	418.2	430.8	411.8	411.8	401.9	390.1	373.8
50°	120.4	122.2	120.4	120.4	117.7	115.9	112.2	111.3	110.4	107.7	103.2
52.5°	48.9	46.2	46.2	47.1	47.1	45.3	46.2	46.2	45.3	44.4	44.4
55°	8.1	9.1	9.1	9.1	9.1	8.1	8.1	9.1	10.0	9.1	9.1
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°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
2.5°	50.7	44.4	37.1	30.8	24.4	20.8	19.0	19.9
5°	86.0	65.2	42.5	27.2	19.0	14.5	11.8	10.9
7.5°	132.1	89.6	48.0	23.5	14.5	7.2	4.5	3.6
10°	202.7	116.8	51.6	19.9	9.1	1.8	0.0	0.0
12.5°	520.4	143.0	52.5	16.3	3.6	0.0	0.0	0.0
15°	1069.9	218.1	50.7	11.8	0.9	0.0	0.0	0.0
17.5°	1778.6	334.0	44.4	8.1	0.0	0.0	0.0	0.0
20°	2467.4	413.6	35.3	3.6	0.0	0.0	0.0	0.0
21°	2674.6	437.2	31.7	2.7	0.0	0.0	0.0	0.0
22°	2843.9	454.4	28.1	1.8	0.0	0.0	0.0	0.0
23°	2985.1	463.4	24.4	0.9	0.0	0.0	0.0	0.0
24°	3083.8	465.2	22.6	0.9	0.0	0.0	0.0	0.0
25°	3130.8	458.9	19.9	0.0	0.0	0.0	0.0	0.0
26°	3148.9	446.2	18.1	0.0	0.0	0.0	0.0	0.0
27°	3135.3	429.9	16.3	0.0	0.0	0.0	0.0	0.0
28°	3110.9	405.5	13.6	0.0	0.0	0.0	0.0	0.0
29°	3062.9	372.9	11.8	0.0	0.0	0.0	0.0	0.0
30°	3016.8	339.4	10.0	0.0	0.0	0.0	0.0	0.0
31°	2964.3	309.6	8.1	0.0	0.0	0.0	0.0	0.0
32°	2900.0	275.2	6.3	0.0	0.0	0.0	0.0	0.0
33°	2793.2	243.5	4.5	0.0	0.0	0.0	0.0	0.0
34°	2643.9	213.6	3.6	0.0	0.0	0.0	0.0	0.0
35°	2443.8	181.9	2.7	0.0	0.0	0.0	0.0	0.0
36°	2224.8	148.4	1.8	0.0	0.0	0.0	0.0	0.0
37°	1956.9	107.7	1.8	0.0	0.0	0.0	0.0	0.0
38°	1677.2	67.9	0.9	0.0	0.0	0.0	0.0	0.0
39°	1391.2	51.6	0.9	0.0	0.0	0.0	0.0	0.0
40°	1129.6	44.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	604.6	29.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	356.6	18.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	199.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	71.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10.0	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	1.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.8	1.8	0.9	0.0	0.0	0.0
67.5°	0.0	0.9	1.8	1.8	0.9	0.0	0.0	0.0
70°	0.0	0.9	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
75°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
77.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
80°	0.0	0.9	1.8	2.7	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	1.8	2.7	0.9	0.0	0.0	0.0
85°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	1.8	2.7	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)