

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: P1310239

Luminaire Tested: P3SQAS13R309040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

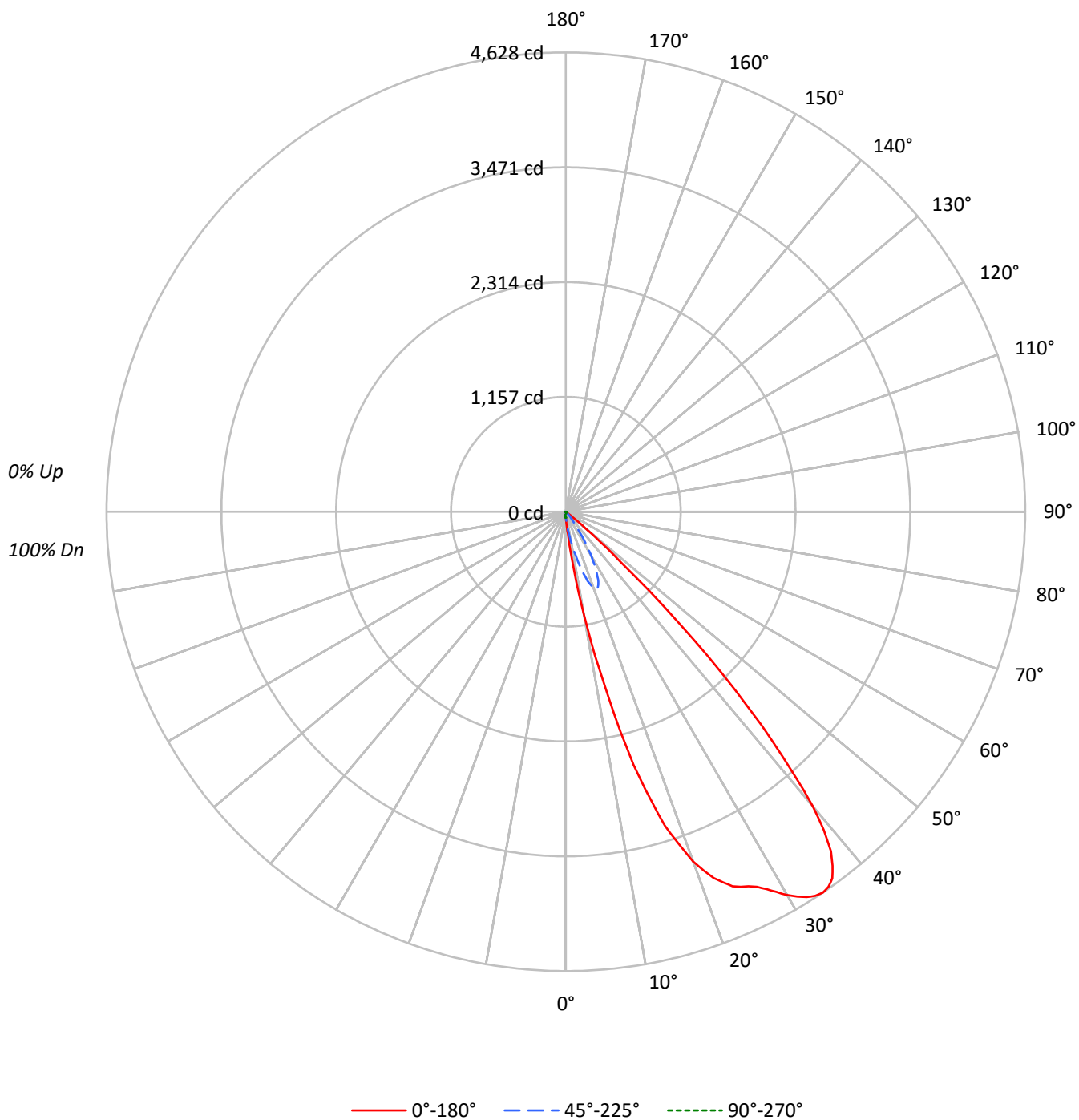
Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10264	10264	10264	10264	10264
5°	37238	23131	9405	3803	2714
10°	184288	55402	7310	734	0
15°	470101	105499	4654	0	0
20°	686898	150029	1924	0	0
25°	792449	147214	399	0	0
30°	886901	101044	0	0	0
35°	969965	43521	0	0	0
40°	870573	16929	0	0	0
45°	444569	6868	0	0	0
50°	68617	831	0	0	0
55°	4084	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: 444569 cd/sqm

TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	1.1
10°-20°	148.4	13.3
20°-30°	366.8	32.9
30°-40°	421.8	37.9
40°-50°	156.5	14.0
50°-60°	5.7	0.5
60°-70°	0.5	0.0
70°-80°	0.9	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°	527.7	47.4
0°-40°	949.5	85.2
0°-60°	1111.7	99.8
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	215	134	54	22	16	47
15°	2637	592	26	0	0	758
25°	4170	775	2	0	0	1927
35°	4614	207	0	0	0	2797
45°	1825	28	0	0	0	1422
55°	14	0	1	0	0	47
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	

TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	105.6	106.6	106.6	103.5	102.5	101.4	98.3	88.9	74.2	59.6	48.1
5°	215.4	216.4	216.4	210.1	197.6	185.0	174.6	133.8	85.7	54.4	35.5
7.5°	508.1	509.1	487.2	462.1	411.9	385.8	337.7	205.9	97.2	49.1	23.0
10°	1053.8	1030.8	973.3	900.1	822.8	722.4	621.0	316.8	105.6	41.8	14.6
12.5°	1761.5	1739.6	1665.4	1560.8	1409.2	1212.7	1020.3	445.4	106.6	33.5	8.4
15°	2636.6	2574.9	2486.0	2312.5	2088.8	1784.5	1466.7	591.7	102.5	26.1	2.1
17.5°	3315.1	3258.6	3145.7	2942.9	2664.8	2327.1	1937.2	730.8	91.0	16.7	0.0
20°	3747.9	3688.3	3582.7	3403.9	3108.1	2711.8	2265.4	818.6	75.3	10.5	0.0
21°	3871.2	3813.7	3710.2	3532.5	3237.7	2842.5	2345.9	837.4	68.0	8.4	0.0
22°	3979.9	3935.0	3838.8	3645.4	3345.4	2938.7	2427.5	839.5	62.7	6.3	0.0
23°	4056.3	4023.9	3927.7	3750.0	3451.0	3017.1	2471.4	826.9	56.5	4.2	0.0
24°	4129.4	4089.7	4007.1	3841.9	3534.6	3083.0	2511.1	803.9	50.2	3.1	0.0
25°	4170.2	4124.2	4060.4	3905.7	3603.6	3124.8	2535.2	774.7	43.9	2.1	0.0
26°	4198.4	4162.9	4092.9	3943.4	3632.9	3152.0	2538.3	731.8	39.7	1.0	0.0
27°	4241.3	4205.8	4137.8	3976.8	3645.4	3147.8	2519.5	682.7	34.5	0.0	0.0
28°	4306.1	4259.1	4191.1	4012.4	3650.6	3130.0	2477.7	629.3	29.3	0.0	0.0
29°	4380.3	4332.3	4258.0	4059.4	3651.7	3094.5	2411.8	570.8	26.1	0.0	0.0
30°	4459.8	4418.0	4342.7	4105.4	3663.2	3048.5	2335.5	508.1	20.9	0.0	0.0
31°	4522.5	4484.9	4404.4	4147.2	3672.6	3008.7	2241.4	445.4	17.8	0.0	0.0
32°	4576.9	4543.4	4444.1	4156.6	3653.8	2952.3	2141.0	384.7	14.6	0.0	0.0
33°	4614.5	4572.7	4456.7	4132.6	3599.4	2859.2	2029.2	327.2	11.5	0.0	0.0
34°	4628.1	4577.9	4437.8	4069.9	3489.6	2718.1	1883.9	267.6	9.4	0.0	0.0
35°	4613.5	4551.8	4369.9	3962.2	3341.2	2549.8	1709.3	207.0	7.3	0.0	0.0
36°	4566.4	4488.0	4272.7	3808.5	3129.0	2351.2	1534.7	161.0	5.2	0.0	0.0
37°	4465.0	4378.3	4106.4	3605.7	2918.8	2123.3	1336.1	125.5	3.1	0.0	0.0
38°	4340.6	4215.2	3884.8	3349.6	2647.0	1867.1	1139.5	103.5	2.1	0.0	0.0
39°	4128.4	3990.4	3621.4	3054.7	2380.4	1623.6	948.2	89.9	1.0	0.0	0.0
40°	3872.3	3708.1	3320.3	2739.0	2065.8	1368.5	791.4	75.3	1.0	0.0	0.0
42.5°	2920.9	2781.9	2364.8	1863.0	1262.9	807.1	439.1	49.1	0.0	0.0	0.0
45°	1825.3	1680.0	1397.7	1021.4	683.7	418.2	211.2	28.2	0.0	0.0	0.0
47.5°	745.4	683.7	562.4	432.8	309.4	196.5	87.8	12.5	0.0	0.0	0.0
50°	256.1	227.9	191.3	140.1	99.3	68.0	46.0	3.1	0.0	0.0	0.0
52.5°	74.2	75.3	65.9	56.5	43.9	31.4	23.0	0.0	0.0	0.0	0.0
55°	13.6	11.5	13.6	12.5	13.6	11.5	8.4	0.0	0.0	1.0	0.0
57.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0



TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1310239

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	59.6	59.6	59.6
2.5°	38.7	34.5	32.4
5°	22.0	16.7	15.7
7.5°	11.5	7.3	6.3
10°	4.2	1.0	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)