

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: P1317259

Luminaire Tested: P3SQAS17R309830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317259
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: P3SQAS17R309830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

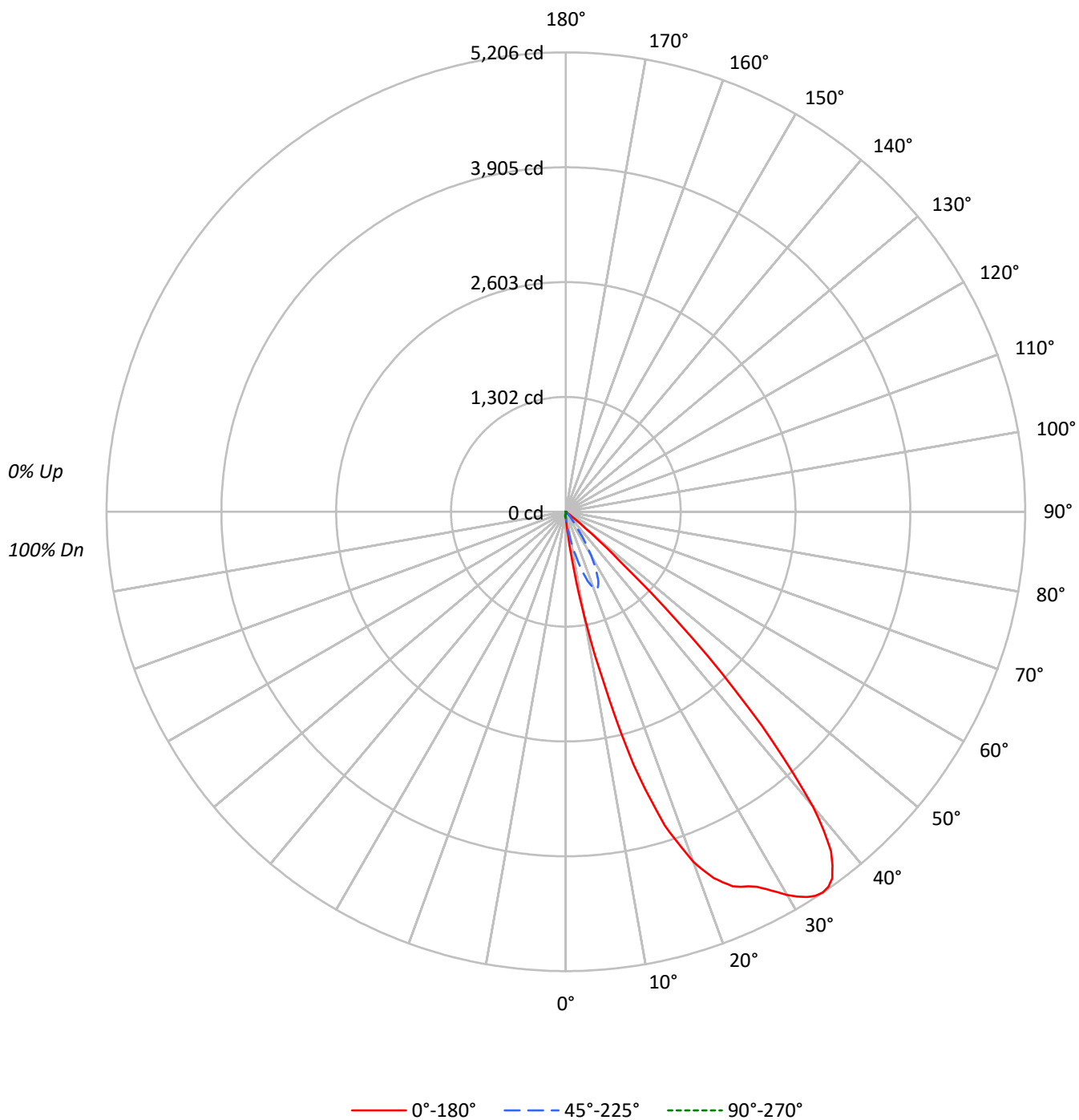
Lumens per Lamp: N/A
Luminaire Lumens: 1253.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 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	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	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°	11539	11539	11539	11539	11539
5°	41872	26019	10563	4270	3043
10°	207285	62310	8219	822	0
15°	528743	118657	5242	0	0
20°	772598	168742	2163	0	0
25°	891339	165570	456	0	0
30°	997569	113652	0	0	0
35°	1090982	48945	0	0	0
40°	979184	19042	0	0	0
45°	500052	7721	0	0	0
50°	77191	938	0	0	0
55°	4594	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: 500052 cd/sqm

TEST NUMBER: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	1.1
10°-20°	166.9	13.3
20°-30°	412.6	32.9
30°-40°	474.5	37.9
40°-50°	176.0	14.0
50°-60°	6.4	0.5
60°-70°	0.6	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°	593.5	47.4
0°-40°	1068.0	85.2
0°-60°	1250.4	99.8
0°-90°	1253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1253.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	67	67	67	67	67	
5°	242	150	61	25	18	53
15°	2966	666	29	0	0	853
25°	4691	871	2	0	0	2167
35°	5189	233	0	0	0	3146
45°	2053	32	0	0	0	1599
55°	15	0	1	0	0	52
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	

TEST NUMBER: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2.5°	118.8	119.9	119.9	116.4	115.2	114.1	110.5	99.9	83.5	67.0	54.1
5°	242.2	243.4	243.4	236.4	222.2	208.1	196.4	150.5	96.4	61.1	40.0
7.5°	571.5	572.6	548.0	519.7	463.3	433.9	379.8	231.6	109.4	55.3	25.9
10°	1185.3	1159.4	1094.7	1012.4	925.4	812.5	698.5	356.3	118.8	47.0	16.5
12.5°	1981.3	1956.7	1873.2	1755.6	1585.1	1364.0	1147.7	500.9	119.9	37.6	9.4
15°	2965.5	2896.2	2796.2	2601.0	2349.4	2007.2	1649.7	665.5	115.2	29.4	2.4
17.5°	3728.7	3665.2	3538.2	3310.1	2997.3	2617.5	2178.9	821.9	102.3	18.8	0.0
20°	4215.5	4148.5	4029.7	3828.6	3495.9	3050.2	2548.1	920.7	84.7	11.8	0.0
21°	4354.3	4289.6	4173.2	3973.3	3641.7	3197.2	2638.7	941.9	76.4	9.4	0.0
22°	4476.5	4426.0	4317.8	4100.3	3762.8	3305.4	2730.4	944.2	70.6	7.1	0.0
23°	4562.4	4525.9	4417.8	4217.9	3881.6	3393.6	2779.8	930.1	63.5	4.7	0.0
24°	4644.7	4600.0	4507.1	4321.3	3975.6	3467.6	2824.4	904.2	56.4	3.5	0.0
25°	4690.6	4638.8	4567.1	4393.1	4053.2	3514.7	2851.5	871.3	49.4	2.4	0.0
26°	4722.3	4682.3	4603.5	4435.4	4086.2	3545.3	2855.0	823.1	44.7	1.2	0.0
27°	4770.5	4730.5	4654.1	4473.0	4100.3	3540.6	2833.9	767.8	38.8	0.0	0.0
28°	4843.4	4790.5	4714.1	4513.0	4106.1	3520.6	2786.8	707.9	32.9	0.0	0.0
29°	4926.9	4872.8	4789.3	4565.9	4107.3	3480.6	2712.7	642.0	29.4	0.0	0.0
30°	5016.3	4969.2	4884.6	4617.6	4120.3	3428.8	2626.9	571.5	23.5	0.0	0.0
31°	5086.8	5044.5	4953.9	4664.7	4130.8	3384.2	2521.1	500.9	20.0	0.0	0.0
32°	5148.0	5110.3	4998.6	4675.3	4109.7	3320.7	2408.2	432.7	16.5	0.0	0.0
33°	5190.3	5143.3	5012.7	4648.2	4048.5	3216.0	2282.4	368.0	12.9	0.0	0.0
34°	5205.6	5149.1	4991.6	4577.7	3925.1	3057.3	2118.9	301.0	10.6	0.0	0.0
35°	5189.1	5119.7	4915.1	4456.6	3758.1	2868.0	1922.6	232.8	8.2	0.0	0.0
36°	5136.2	5048.0	4805.8	4283.7	3519.4	2644.5	1726.2	181.1	5.9	0.0	0.0
37°	5022.1	4924.6	4618.8	4055.6	3283.0	2388.2	1502.8	141.1	3.5	0.0	0.0
38°	4882.2	4741.1	4369.5	3767.5	2977.3	2100.1	1281.7	116.4	2.4	0.0	0.0
39°	4643.5	4488.3	4073.2	3435.9	2677.5	1826.1	1066.5	101.1	1.2	0.0	0.0
40°	4355.4	4170.8	3734.6	3080.8	2323.5	1539.2	890.1	84.7	1.2	0.0	0.0
42.5°	3285.4	3129.0	2659.8	2095.4	1420.5	907.8	493.9	55.3	0.0	0.0	0.0
45°	2053.1	1889.6	1572.1	1148.8	769.0	470.3	237.5	31.7	0.0	0.0	0.0
47.5°	838.4	769.0	632.6	486.8	348.1	221.1	98.8	14.1	0.0	0.0	0.0
50°	288.1	256.3	215.2	157.6	111.7	76.4	51.7	3.5	0.0	0.0	0.0
52.5°	83.5	84.7	74.1	63.5	49.4	35.3	25.9	0.0	0.0	0.0	0.0
55°	15.3	12.9	15.3	14.1	15.3	12.9	9.4	0.0	0.0	1.2	0.0
57.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2



TEST NUMBER: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 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	1.2	2.4	3.5	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	1.2
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: P1317259

CATALOG NUMBER: P3SQAS17R309830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	67.0	67.0	67.0
2.5°	43.5	38.8	36.5
5°	24.7	18.8	17.6
7.5°	12.9	8.2	7.1
10°	4.7	1.2	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)