

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: P1309278

Luminaire Tested: P3SQAS17R309035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309278
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: P3SQAS17R309035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

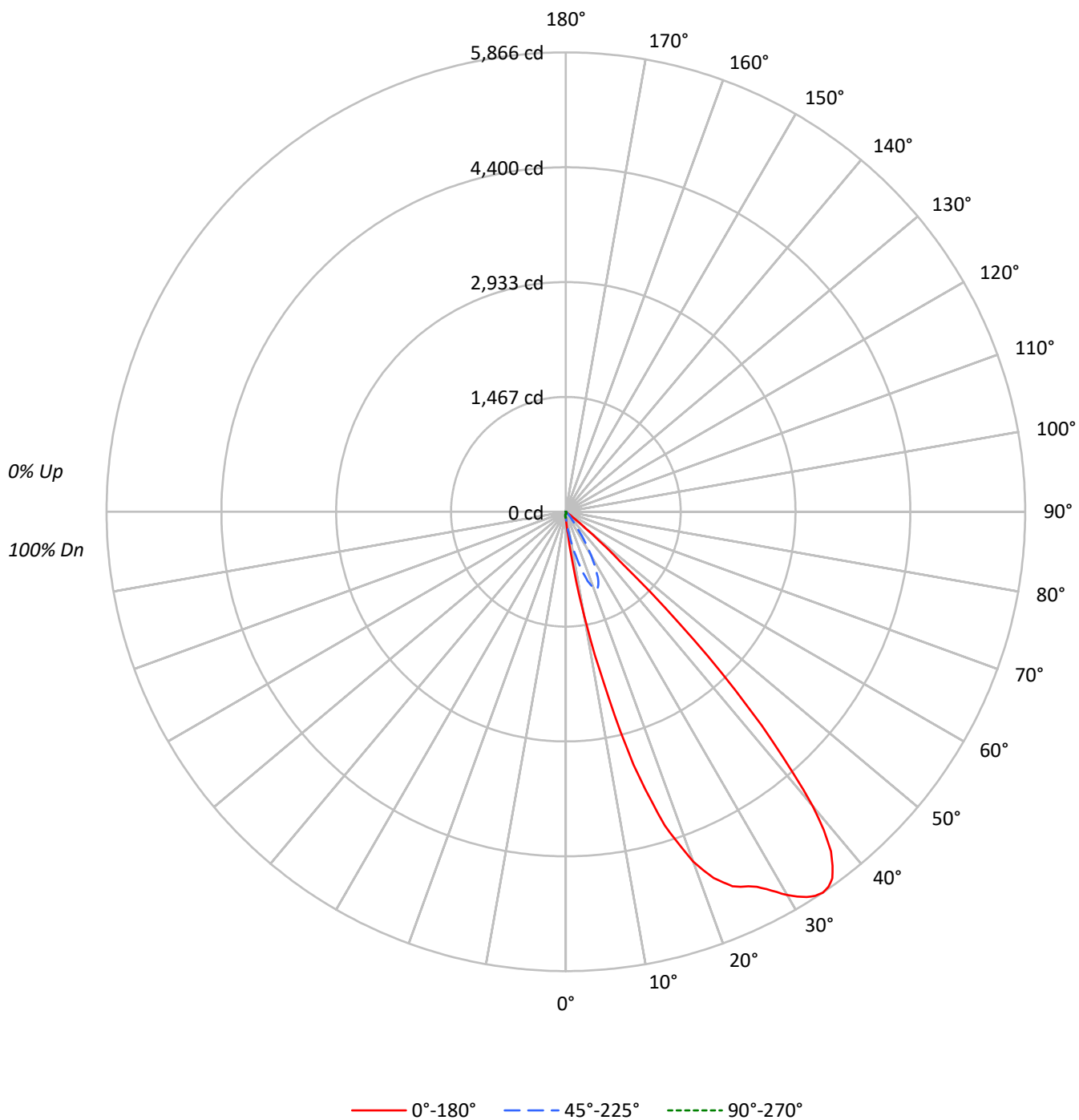
Lumens per Lamp: N/A
Luminaire Lumens: 1412.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 E3SQCA301MMS

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	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°	13003	13003	13003	13003	13003
5°	47196	29321	11911	4806	3440
10°	233586	70214	9269	927	0
15°	595854	133723	5902	0	0
20°	870632	190148	2438	0	0
25°	1004443	186587	513	0	0
30°	1124147	128069	0	0	0
35°	1229429	55168	0	0	0
40°	1103442	21448	0	0	0
45°	563499	8719	0	0	0
50°	86970	1072	0	0	0
55°	5164	0	390	0	0
60°	0	0	448	0	0
65°	0	0	1100	0	0
70°	0	655	1360	0	0
75°	0	865	2662	0	0
80°	0	1289	3967	0	0
85°	0	2569	7904	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 563499 cd/sqm

TEST NUMBER: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	1.1
10°-20°	188.1	13.3
20°-30°	464.9	32.9
30°-40°	534.7	37.9
40°-50°	198.3	14.0
50°-60°	7.2	0.5
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	668.8	47.4
0°-40°	1203.5	85.2
0°-60°	1409.1	99.8
0°-90°	1412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	76	76	76	76	76	
5°	273	170	69	28	20	59
15°	3342	750	33	0	0	961
25°	5286	982	3	0	0	2442
35°	5848	262	0	0	0	3545
45°	2314	36	0	0	0	1802
55°	17	0	1	0	0	59
65°	0	0	3	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: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.5°	133.8	135.2	135.2	131.2	129.9	128.5	124.6	112.6	94.1	75.5	61.0
5°	273.0	274.3	274.3	266.3	250.4	234.5	221.3	169.6	108.7	68.9	45.1
7.5°	644.0	645.3	617.5	585.7	522.1	489.0	428.0	261.0	123.2	62.3	29.2
10°	1335.7	1306.5	1233.7	1140.9	1042.8	915.6	787.1	401.5	133.8	53.0	18.6
12.5°	2232.8	2204.9	2110.9	1978.4	1786.2	1537.1	1293.3	564.5	135.2	42.4	10.6
15°	3341.9	3263.7	3151.1	2931.1	2647.5	2261.9	1859.1	750.0	129.9	33.1	2.7
17.5°	4201.8	4130.3	3987.2	3730.1	3377.6	2949.6	2455.4	926.2	115.3	21.2	0.0
20°	4750.4	4674.9	4541.1	4314.5	3939.5	3437.3	2871.5	1037.5	95.4	13.3	0.0
21°	4906.8	4833.9	4702.7	4477.5	4103.8	3602.9	2973.5	1061.4	86.1	10.6	0.0
22°	5044.6	4987.6	4865.7	4620.6	4240.3	3724.8	3076.8	1064.0	79.5	8.0	0.0
23°	5141.3	5100.3	4978.3	4753.1	4374.1	3824.2	3132.5	1048.1	71.6	5.3	0.0
24°	5234.1	5183.7	5079.1	4869.7	4480.1	3907.7	3182.9	1019.0	63.6	4.0	0.0
25°	5285.8	5227.5	5146.6	4950.5	4567.6	3960.7	3213.3	981.9	55.7	2.7	0.0
26°	5321.5	5276.5	5187.7	4998.2	4604.7	3995.1	3217.3	927.6	50.4	1.3	0.0
27°	5375.9	5330.8	5244.7	5040.6	4620.6	3989.8	3193.5	865.3	43.7	0.0	0.0
28°	5458.0	5398.4	5312.3	5085.7	4627.2	3967.3	3140.5	797.7	37.1	0.0	0.0
29°	5552.1	5491.2	5397.1	5145.3	4628.5	3922.3	3057.0	723.5	33.1	0.0	0.0
30°	5652.8	5599.8	5504.4	5203.6	4643.1	3863.9	2960.2	644.0	26.5	0.0	0.0
31°	5732.3	5684.6	5582.6	5256.6	4655.0	3813.6	2841.0	564.5	22.5	0.0	0.0
32°	5801.2	5758.8	5632.9	5268.5	4631.2	3742.0	2713.8	487.6	18.6	0.0	0.0
33°	5848.9	5795.9	5648.8	5238.1	4562.3	3624.1	2572.0	414.8	14.6	0.0	0.0
34°	5866.2	5802.5	5625.0	5158.6	4423.1	3445.2	2387.8	339.2	11.9	0.0	0.0
35°	5847.6	5769.4	5538.9	5022.1	4235.0	3231.9	2166.5	262.4	9.3	0.0	0.0
36°	5788.0	5688.6	5415.6	4827.3	3966.0	2980.1	1945.2	204.1	6.6	0.0	0.0
37°	5659.4	5549.5	5204.9	4570.2	3699.6	2691.2	1693.5	159.0	4.0	0.0	0.0
38°	5501.8	5342.7	4924.0	4245.6	3355.1	2366.6	1444.3	131.2	2.7	0.0	0.0
39°	5232.8	5057.8	4590.1	3871.9	3017.2	2057.9	1201.9	114.0	1.3	0.0	0.0
40°	4908.1	4700.1	4208.5	3471.7	2618.4	1734.5	1003.1	95.4	1.3	0.0	0.0
42.5°	3702.3	3526.1	2997.3	2361.3	1600.7	1023.0	556.5	62.3	0.0	0.0	0.0
45°	2313.6	2129.4	1771.6	1294.6	866.6	530.0	267.7	35.8	0.0	0.0	0.0
47.5°	944.8	866.6	712.9	548.6	392.2	249.1	111.3	15.9	0.0	0.0	0.0
50°	324.6	288.9	242.5	177.6	125.9	86.1	58.3	4.0	0.0	0.0	0.0
52.5°	94.1	95.4	83.5	71.6	55.7	39.8	29.2	0.0	0.0	0.0	0.0
55°	17.2	14.6	17.2	15.9	17.2	14.6	10.6	0.0	0.0	1.3	0.0
57.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	2.7	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	2.7	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3



TEST NUMBER: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 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	1.3	2.7	4.0	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0	1.3
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: P1309278

CATALOG NUMBER: P3SQAS17R309035DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	75.5	75.5	75.5
2.5°	49.0	43.7	41.1
5°	27.8	21.2	19.9
7.5°	14.6	9.3	8.0
10°	5.3	1.3	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)