

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: P1307986

Luminaire Tested: P3SQAS13R259030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307986
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: P3SQAS13R259030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

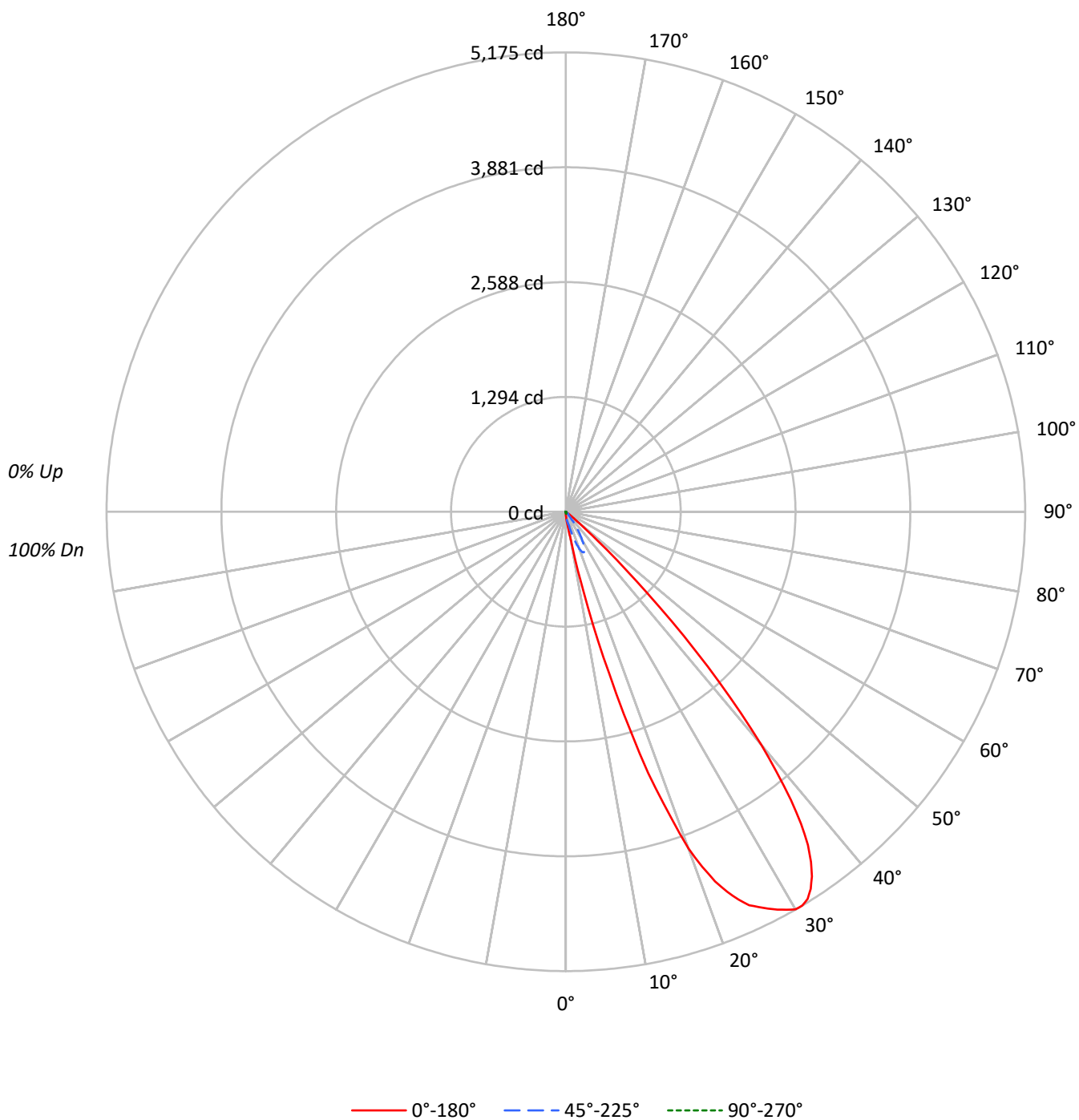
Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 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	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°	5511	5511	5511	5511	5511
5°	17288	12084	5031	2680	2023
10°	54527	21912	3742	332	0
15°	337144	41740	2247	0	0
20°	739223	81338	715	0	0
25°	929230	93569	0	0	0
30°	1028672	72427	0	0	0
35°	1012582	41040	0	0	0
40°	769674	10701	0	0	0
45°	311781	4725	0	0	0
50°	34617	509	0	0	0
55°	2612	0	300	0	0
60°	0	0	344	0	0
65°	0	0	774	0	0
70°	0	504	957	0	0
75°	0	665	1930	0	0
80°	0	992	2876	0	0
85°	0	1976	5730	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 311781 cd/sqm

TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.5
10°-20°	104.7	10.3
20°-30°	366.1	36.1
30°-40°	408.4	40.3
40°-50°	123.4	12.2
50°-60°	4.1	0.4
60°-70°	0.5	0.1
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°	475.9	46.9
0°-40°	884.3	87.2
0°-60°	1011.8	99.8
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	100	70	29	16	12	16
15°	1891	234	13	0	0	629
25°	4890	492	0	0	0	2231
35°	4816	195	0	0	0	2891
45°	1280	19	0	0	0	1106
55°	9	0	1	0	0	27
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: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2.5°	55.4	57.3	56.3	57.3	56.3	56.3	56.3	57.3	56.3	56.3	56.3
5°	100.0	101.0	101.0	100.0	100.0	102.0	100.0	101.0	98.1	100.0	99.1
7.5°	164.1	162.2	162.2	163.2	163.2	161.2	160.2	158.3	160.2	160.2	157.3
10°	311.8	309.8	305.0	303.0	305.0	305.0	295.2	297.2	298.2	289.4	286.5
12.5°	915.9	909.1	922.7	901.3	888.7	868.3	879.9	840.1	831.4	825.5	811.9
15°	1890.9	1942.4	1920.1	1922.0	1925.9	1877.4	1893.9	1833.6	1783.1	1767.6	1756.9
17.5°	3083.6	3099.1	3078.7	3069.0	3065.1	3041.8	3013.7	2983.6	2944.7	2910.7	2882.6
20°	4033.4	4021.8	3986.8	3990.7	3948.9	3927.6	3903.3	3873.2	3843.1	3793.6	3746.0
21°	4284.0	4250.0	4251.0	4227.7	4226.7	4199.5	4156.8	4125.7	4098.5	4042.2	4012.1
22°	4489.9	4482.1	4464.7	4447.2	4428.7	4415.1	4367.5	4352.0	4296.6	4250.0	4207.3
23°	4650.2	4653.1	4637.5	4625.9	4600.6	4594.8	4533.6	4512.2	4474.4	4403.5	4359.8
24°	4783.2	4778.4	4760.9	4740.5	4725.9	4712.3	4665.7	4630.7	4589.0	4530.7	4488.0
25°	4890.0	4878.4	4866.7	4851.2	4827.9	4812.4	4764.8	4725.9	4690.0	4624.9	4566.6
26°	4953.2	4956.1	4937.6	4926.0	4905.6	4890.0	4840.5	4794.9	4750.2	4680.3	4627.8
27°	5017.3	5014.4	4997.9	4980.4	4959.0	4953.2	4895.9	4848.3	4802.6	4728.8	4666.7
28°	5076.5	5068.8	5055.2	5034.8	5011.4	4994.0	4938.6	4889.1	4839.5	4760.9	4692.9
29°	5126.1	5118.3	5109.5	5083.3	5053.2	5041.6	4982.3	4922.1	4872.6	4792.0	4720.1
30°	5172.7	5158.1	5137.7	5115.4	5086.2	5063.9	5001.7	4949.3	4891.0	4801.7	4732.7
31°	5174.6	5155.2	5140.6	5117.3	5084.3	5057.1	4992.0	4938.6	4870.6	4787.1	4712.3
32°	5140.6	5130.9	5107.6	5082.3	5050.3	5023.1	4951.2	4894.9	4830.8	4741.5	4666.7
33°	5063.9	5054.2	5040.6	5014.4	4972.6	4947.3	4883.2	4821.1	4758.0	4677.4	4591.9
34°	4958.0	4946.4	4928.9	4902.7	4859.9	4833.7	4782.2	4718.1	4651.1	4567.6	4488.0
35°	4816.2	4793.9	4789.0	4750.2	4710.4	4703.6	4642.4	4575.4	4507.4	4415.1	4346.2
36°	4640.4	4614.2	4596.7	4583.1	4556.9	4524.9	4464.7	4411.2	4323.8	4264.6	4167.5
37°	4400.6	4368.5	4385.0	4348.1	4307.3	4293.7	4217.0	4168.4	4094.6	4014.0	3931.5
38°	4120.8	4117.9	4114.0	4097.5	4027.6	3991.7	3959.6	3908.2	3844.1	3746.9	3635.2
39°	3767.3	3773.2	3752.8	3754.7	3719.7	3683.8	3639.1	3580.9	3503.2	3414.8	3324.5
40°	3423.5	3341.0	3355.5	3306.0	3308.9	3255.5	3197.2	3145.8	3096.2	3018.5	2895.2
42.5°	2368.8	2356.2	2312.5	2281.4	2295.0	2226.0	2149.3	2077.4	2008.5	1921.1	1813.3
45°	1280.1	1250.9	1259.7	1209.2	1209.2	1178.1	1156.7	1096.5	1032.4	992.6	930.4
47.5°	475.9	481.7	492.4	472.0	448.7	462.3	441.9	441.9	431.2	418.6	401.1
50°	129.2	131.1	129.2	129.2	126.3	124.3	120.4	119.5	118.5	115.6	110.7
52.5°	52.4	49.5	49.5	50.5	50.5	48.6	49.5	49.5	48.6	47.6	47.6
55°	8.7	9.7	9.7	9.7	9.7	8.7	8.7	9.7	10.7	9.7	9.7
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



TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

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

TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2.5°	54.4	47.6	39.8	33.0	26.2	22.3	20.4	21.4
5°	92.3	69.9	45.6	29.1	20.4	15.5	12.6	11.7
7.5°	141.8	96.1	51.5	25.3	15.5	7.8	4.9	3.9
10°	217.6	125.3	55.4	21.4	9.7	1.9	0.0	0.0
12.5°	558.4	153.5	56.3	17.5	3.9	0.0	0.0	0.0
15°	1148.0	234.1	54.4	12.6	1.0	0.0	0.0	0.0
17.5°	1908.4	358.4	47.6	8.7	0.0	0.0	0.0	0.0
20°	2647.5	443.8	37.9	3.9	0.0	0.0	0.0	0.0
21°	2869.9	469.1	34.0	2.9	0.0	0.0	0.0	0.0
22°	3051.5	487.5	30.1	1.9	0.0	0.0	0.0	0.0
23°	3203.1	497.3	26.2	1.0	0.0	0.0	0.0	0.0
24°	3308.9	499.2	24.3	1.0	0.0	0.0	0.0	0.0
25°	3359.4	492.4	21.4	0.0	0.0	0.0	0.0	0.0
26°	3378.8	478.8	19.4	0.0	0.0	0.0	0.0	0.0
27°	3364.3	461.3	17.5	0.0	0.0	0.0	0.0	0.0
28°	3338.1	435.1	14.6	0.0	0.0	0.0	0.0	0.0
29°	3286.6	400.1	12.6	0.0	0.0	0.0	0.0	0.0
30°	3237.0	364.2	10.7	0.0	0.0	0.0	0.0	0.0
31°	3180.7	332.2	8.7	0.0	0.0	0.0	0.0	0.0
32°	3111.8	295.2	6.8	0.0	0.0	0.0	0.0	0.0
33°	2997.2	261.3	4.9	0.0	0.0	0.0	0.0	0.0
34°	2836.9	229.2	3.9	0.0	0.0	0.0	0.0	0.0
35°	2622.3	195.2	2.9	0.0	0.0	0.0	0.0	0.0
36°	2387.2	159.3	1.9	0.0	0.0	0.0	0.0	0.0
37°	2099.8	115.6	1.9	0.0	0.0	0.0	0.0	0.0
38°	1799.7	72.8	1.0	0.0	0.0	0.0	0.0	0.0
39°	1492.8	55.4	1.0	0.0	0.0	0.0	0.0	0.0
40°	1212.1	47.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	648.8	32.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	382.7	19.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	213.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	76.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10.7	0.0	0.0	1.0	0.0	0.0	0.0	0.0
57.5°	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.0	1.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.9	1.9	1.0	0.0	0.0	0.0
67.5°	0.0	1.0	1.9	1.9	1.0	0.0	0.0	0.0
70°	0.0	1.0	1.9	1.9	1.0	0.0	0.0	0.0
72.5°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0
75°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0
77.5°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0
80°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0



TEST NUMBER: P1307986

CATALOG NUMBER: P3SQAS13R259030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0
85°	0.0	1.0	1.9	2.9	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	1.9	2.9	1.0	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)