

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: P1307025

Luminaire Tested: P3SQAS17R259027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307025
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: P3SQAS17R259027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

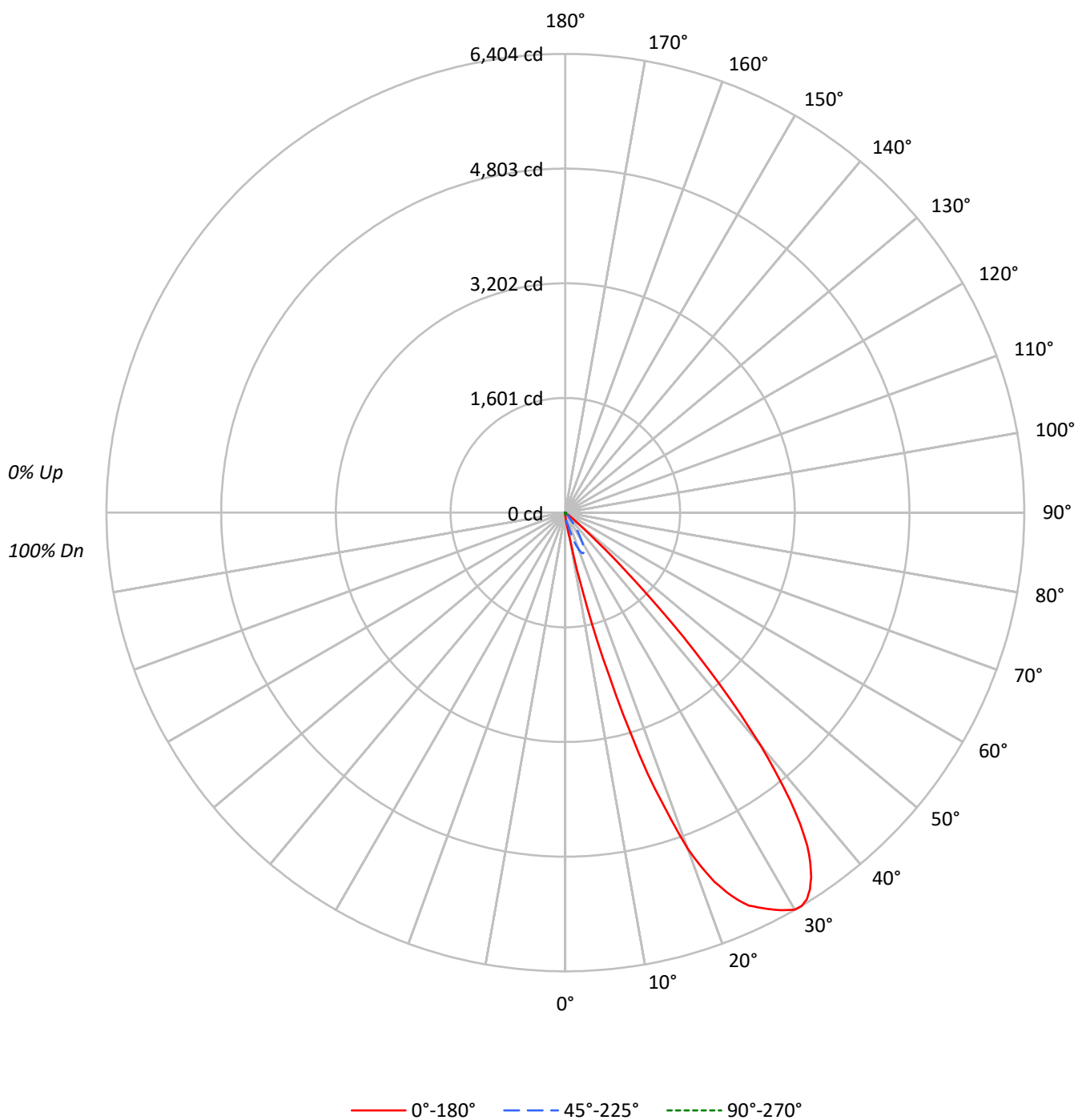
Lumens per Lamp: N/A
Luminaire Lumens: 1255.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 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°	6837	6837	6837	6837	6837
5°	21403	14954	6241	3319	2489
10°	67486	27124	4617	420	0
15°	417289	51653	2781	0	0
20°	914930	100673	880	0	0
25°	1150098	115802	0	0	0
30°	1273157	89649	0	0	0
35°	1253250	50795	0	0	0
40°	952610	13242	0	0	0
45°	385871	5845	0	0	0
50°	42842	643	0	0	0
55°	3243	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	2396	0	0
80°	0	1190	3570	0	0
85°	0	2371	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 385871 cd/sqm

TEST NUMBER: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.5
10°-20°	129.6	10.3
20°-30°	453.1	36.1
30°-40°	505.5	40.3
40°-50°	152.7	12.2
50°-60°	5.1	0.4
60°-70°	0.7	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°	589.0	46.9
0°-40°	1094.5	87.2
0°-60°	1252.2	99.8
0°-90°	1255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	124	86	36	19	14	19
15°	2340	290	16	0	0	778
25°	6052	609	0	0	0	2761
35°	5961	242	0	0	0	3579
45°	1584	24	0	0	0	1368
55°	11	0	1	0	0	34
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: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	68.5	70.9	69.7	70.9	69.7	69.7	69.7	70.9	69.7	69.7	69.7
5°	123.8	125.0	125.0	123.8	123.8	126.2	123.8	125.0	121.4	123.8	122.6
7.5°	203.1	200.7	200.7	201.9	201.9	199.5	198.3	195.9	198.3	198.3	194.7
10°	385.9	383.5	377.4	375.0	377.4	377.4	365.4	367.8	369.0	358.2	354.6
12.5°	1133.5	1125.1	1141.9	1115.5	1099.9	1074.6	1089.0	1039.8	1028.9	1021.7	1004.9
15°	2340.4	2404.1	2376.4	2378.8	2383.6	2323.5	2344.0	2269.5	2206.9	2187.7	2174.5
17.5°	3816.5	3835.7	3810.5	3798.5	3793.6	3764.8	3729.9	3692.7	3644.6	3602.5	3567.7
20°	4992.1	4977.7	4934.4	4939.2	4887.5	4861.1	4831.0	4793.7	4756.5	4695.2	4636.3
21°	5302.2	5260.1	5261.3	5232.5	5231.3	5197.6	5144.7	5106.3	5072.6	5002.9	4965.6
22°	5557.0	5547.4	5525.8	5504.1	5481.3	5464.5	5405.6	5386.3	5317.8	5260.1	5207.2
23°	5755.4	5759.0	5739.7	5725.3	5694.1	5686.9	5611.1	5584.7	5537.8	5450.1	5396.0
24°	5920.1	5914.0	5892.4	5867.2	5849.1	5832.3	5774.6	5731.3	5679.6	5607.5	5554.6
25°	6052.3	6037.9	6023.4	6004.2	5975.3	5956.1	5897.2	5849.1	5804.7	5724.1	5652.0
26°	6130.4	6134.0	6111.2	6096.8	6071.5	6052.3	5991.0	5934.5	5879.2	5792.6	5727.7
27°	6209.7	6206.1	6185.7	6164.1	6137.6	6130.4	6059.5	6000.6	5944.1	5852.7	5775.8
28°	6283.1	6273.5	6256.6	6231.4	6202.5	6180.9	6112.4	6051.1	5989.8	5892.4	5808.3
29°	6344.4	6334.8	6323.9	6291.5	6254.2	6239.8	6166.5	6091.9	6030.6	5930.9	5841.9
30°	6402.1	6384.0	6358.8	6331.2	6295.1	6267.4	6190.5	6125.6	6053.5	5942.9	5857.5
31°	6404.5	6380.4	6362.4	6333.6	6292.7	6259.0	6178.5	6112.4	6028.2	5924.9	5832.3
32°	6362.4	6350.4	6321.5	6290.3	6250.6	6217.0	6128.0	6058.3	5979.0	5868.4	5775.8
33°	6267.4	6255.4	6238.6	6206.1	6154.5	6123.2	6043.9	5966.9	5888.8	5789.0	5683.3
34°	6136.4	6122.0	6100.4	6067.9	6015.0	5982.6	5918.9	5839.5	5756.6	5653.2	5554.6
35°	5960.9	5933.3	5927.3	5879.2	5829.9	5821.5	5745.8	5662.8	5578.7	5464.5	5379.1
36°	5743.4	5710.9	5689.3	5672.4	5640.0	5600.3	5525.8	5459.7	5351.5	5278.2	5158.0
37°	5446.4	5406.8	5427.2	5381.5	5331.1	5314.2	5219.3	5159.2	5067.8	4968.0	4865.9
38°	5100.3	5096.7	5091.8	5071.4	4984.9	4940.4	4900.7	4837.0	4757.7	4637.5	4499.2
39°	4662.7	4669.9	4644.7	4647.1	4603.8	4559.3	4504.0	4431.9	4335.8	4226.4	4114.6
40°	4237.2	4135.0	4153.1	4091.7	4095.4	4029.2	3957.1	3893.4	3832.1	3735.9	3583.3
42.5°	2931.8	2916.2	2862.1	2823.6	2840.4	2755.1	2660.1	2571.2	2485.8	2377.6	2244.2
45°	1584.3	1548.2	1559.0	1496.5	1496.5	1458.1	1431.6	1357.1	1277.8	1228.5	1151.6
47.5°	589.0	596.2	609.4	584.2	555.3	572.2	546.9	546.9	533.7	518.1	496.4
50°	159.9	162.3	159.9	159.9	156.3	153.9	149.1	147.9	146.6	143.0	137.0
52.5°	64.9	61.3	61.3	62.5	62.5	60.1	61.3	61.3	60.1	58.9	58.9
55°	10.8	12.0	12.0	12.0	12.0	10.8	10.8	12.0	13.2	12.0	12.0
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: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 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: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	67.3	58.9	49.3	40.9	32.5	27.6	25.2	26.4
5°	114.2	86.5	56.5	36.1	25.2	19.2	15.6	14.4
7.5°	175.5	119.0	63.7	31.3	19.2	9.6	6.0	4.8
10°	269.3	155.1	68.5	26.4	12.0	2.4	0.0	0.0
12.5°	691.2	189.9	69.7	21.6	4.8	0.0	0.0	0.0
15°	1420.8	289.7	67.3	15.6	1.2	0.0	0.0	0.0
17.5°	2362.0	443.6	58.9	10.8	0.0	0.0	0.0	0.0
20°	3276.8	549.3	46.9	4.8	0.0	0.0	0.0	0.0
21°	3552.0	580.6	42.1	3.6	0.0	0.0	0.0	0.0
22°	3776.8	603.4	37.3	2.4	0.0	0.0	0.0	0.0
23°	3964.3	615.4	32.5	1.2	0.0	0.0	0.0	0.0
24°	4095.4	617.8	30.1	1.2	0.0	0.0	0.0	0.0
25°	4157.9	609.4	26.4	0.0	0.0	0.0	0.0	0.0
26°	4181.9	592.6	24.0	0.0	0.0	0.0	0.0	0.0
27°	4163.9	571.0	21.6	0.0	0.0	0.0	0.0	0.0
28°	4131.4	538.5	18.0	0.0	0.0	0.0	0.0	0.0
29°	4067.7	495.2	15.6	0.0	0.0	0.0	0.0	0.0
30°	4006.4	450.8	13.2	0.0	0.0	0.0	0.0	0.0
31°	3936.7	411.1	10.8	0.0	0.0	0.0	0.0	0.0
32°	3851.3	365.4	8.4	0.0	0.0	0.0	0.0	0.0
33°	3709.5	323.3	6.0	0.0	0.0	0.0	0.0	0.0
34°	3511.2	283.7	4.8	0.0	0.0	0.0	0.0	0.0
35°	3245.5	241.6	3.6	0.0	0.0	0.0	0.0	0.0
36°	2954.6	197.1	2.4	0.0	0.0	0.0	0.0	0.0
37°	2598.8	143.0	2.4	0.0	0.0	0.0	0.0	0.0
38°	2227.4	90.2	1.2	0.0	0.0	0.0	0.0	0.0
39°	1847.5	68.5	1.2	0.0	0.0	0.0	0.0	0.0
40°	1500.1	58.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	803.0	39.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	473.6	24.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	264.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	95.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	37.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.4	2.4	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.4	2.4	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0



TEST NUMBER: P1307025

CATALOG NUMBER: P3SQAS17R259027DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.4	3.6	1.2	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)