

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: P1316382

Luminaire Tested: P3SQAS17R309827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316382
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: P3SQAS17R309827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

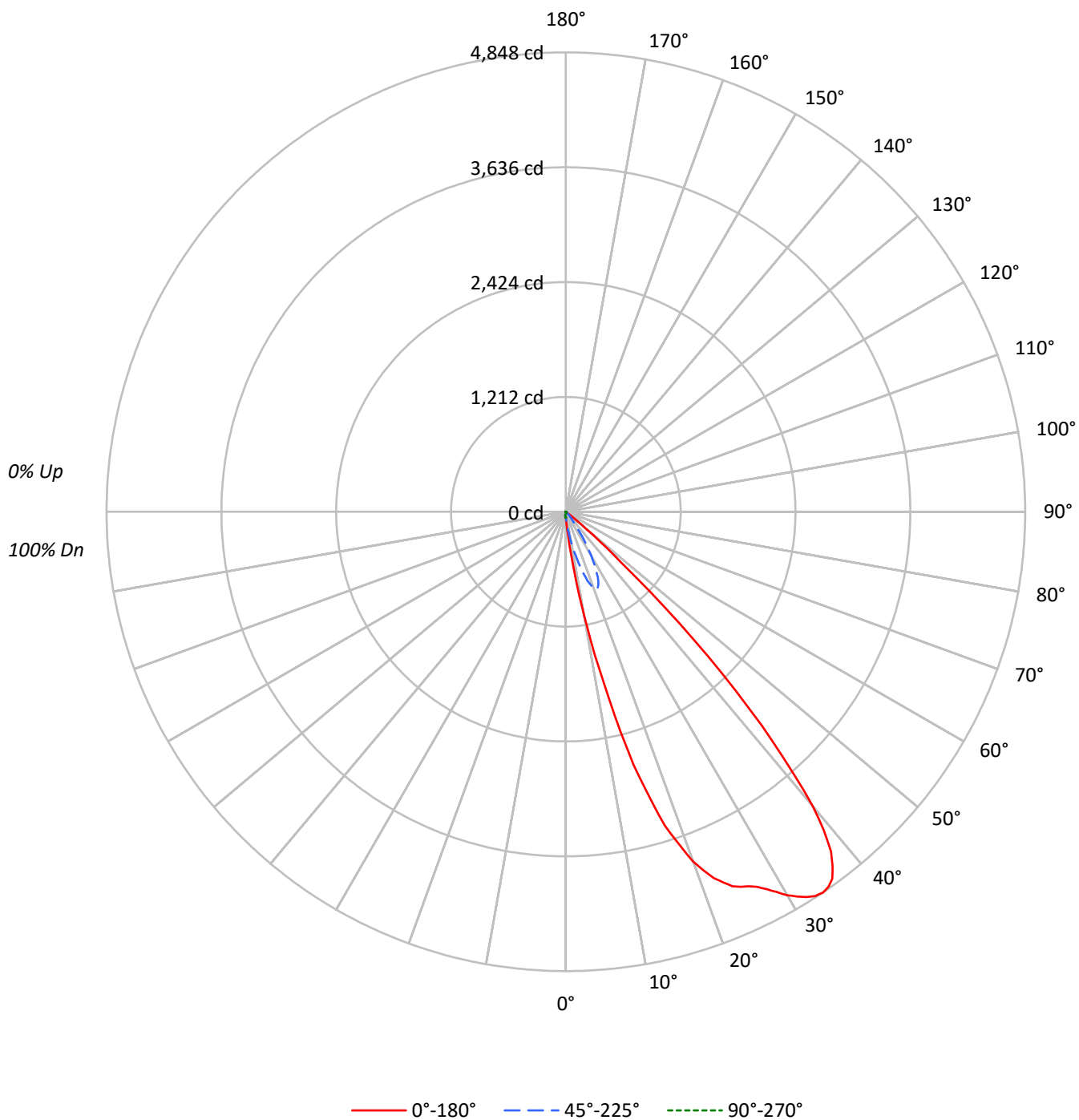
Lumens per Lamp: N/A
Luminaire Lumens: 1167.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10747	10747	10747	10747	10747
5°	39002	24238	9837	3976	2835
10°	193049	58025	7660	769	0
15°	492459	110527	4885	0	0
20°	719576	157159	2016	0	0
25°	830150	154207	418	0	0
30°	929100	105856	0	0	0
35°	1016114	45581	0	0	0
40°	911985	17738	0	0	0
45°	465735	7209	0	0	0
50°	71886	884	0	0	0
55°	4264	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2196	0	0
80°	0	1091	3273	0	0
85°	0	2174	6521	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 465735 cd/sqm

TEST NUMBER: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	1.1
10°-20°	155.5	13.3
20°-30°	384.3	32.9
30°-40°	441.9	37.9
40°-50°	163.9	14.0
50°-60°	6.0	0.5
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	0.9	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°	552.8	47.4
0°-40°	994.7	85.2
0°-60°	1164.6	99.8
0°-90°	1167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	226	140	57	23	16	49
15°	2762	620	27	0	0	794
25°	4369	812	2	0	0	2018
35°	4833	217	0	0	0	2930
45°	1912	30	0	0	0	1489
55°	14	0	1	0	0	49
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: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	110.6	111.7	111.7	108.4	107.3	106.2	102.9	93.1	77.8	62.4	50.4
5°	225.6	226.7	226.7	220.1	207.0	193.8	182.9	140.2	89.8	56.9	37.2
7.5°	532.3	533.3	510.3	484.1	431.5	404.1	353.7	215.7	101.9	51.5	24.1
10°	1103.9	1079.8	1019.6	942.9	861.9	756.8	650.5	331.8	110.6	43.8	15.3
12.5°	1845.4	1822.4	1744.6	1635.1	1476.3	1270.4	1068.9	466.5	111.7	35.0	8.8
15°	2762.0	2697.4	2604.3	2422.5	2188.1	1869.4	1536.5	619.9	107.3	27.4	2.2
17.5°	3472.8	3413.6	3295.4	3082.9	2791.6	2437.8	2029.3	765.5	95.3	17.5	0.0
20°	3926.2	3863.7	3753.1	3565.9	3255.9	2840.9	2373.2	857.5	78.9	11.0	0.0
21°	4055.4	3995.2	3886.7	3700.6	3391.7	2977.8	2457.6	877.2	71.2	8.8	0.0
22°	4169.3	4122.2	4021.4	3818.8	3504.5	3078.5	2543.0	879.4	65.7	6.6	0.0
23°	4249.2	4215.3	4114.5	3928.4	3615.1	3160.6	2589.0	866.3	59.1	4.4	0.0
24°	4325.9	4284.3	4197.8	4024.7	3702.8	3229.6	2630.6	842.2	52.6	3.3	0.0
25°	4368.6	4320.4	4253.6	4091.5	3775.0	3273.5	2655.8	811.5	46.0	2.2	0.0
26°	4398.2	4361.0	4287.6	4131.0	3805.7	3301.9	2659.1	766.6	41.6	1.1	0.0
27°	4443.1	4405.9	4334.7	4166.0	3818.8	3297.5	2639.3	715.1	36.1	0.0	0.0
28°	4511.0	4461.7	4390.5	4203.2	3824.3	3278.9	2595.5	659.3	30.7	0.0	0.0
29°	4588.7	4538.4	4460.6	4252.5	3825.4	3241.7	2526.5	598.0	27.4	0.0	0.0
30°	4672.0	4628.2	4549.3	4300.7	3837.5	3193.5	2446.6	532.3	21.9	0.0	0.0
31°	4737.7	4698.3	4613.9	4344.5	3847.3	3151.9	2348.0	466.5	18.6	0.0	0.0
32°	4794.6	4759.6	4655.6	4354.4	3827.6	3092.7	2242.9	403.0	15.3	0.0	0.0
33°	4834.1	4790.3	4668.7	4329.2	3770.7	2995.3	2125.7	342.8	12.0	0.0	0.0
34°	4848.3	4795.7	4649.0	4263.5	3655.7	2847.4	1973.5	280.4	9.9	0.0	0.0
35°	4833.0	4768.4	4577.8	4150.7	3500.2	2671.1	1790.6	216.8	7.7	0.0	0.0
36°	4783.7	4701.5	4475.9	3989.7	3277.8	2463.0	1607.7	168.7	5.5	0.0	0.0
37°	4677.5	4586.6	4301.8	3777.2	3057.7	2224.3	1399.6	131.4	3.3	0.0	0.0
38°	4547.1	4415.7	4069.6	3508.9	2773.0	1956.0	1193.7	108.4	2.2	0.0	0.0
39°	4324.8	4180.2	3793.7	3200.1	2493.7	1700.8	993.3	94.2	1.1	0.0	0.0
40°	4056.5	3884.6	3478.2	2869.3	2164.0	1433.6	829.0	78.9	1.1	0.0	0.0
42.5°	3059.9	2914.2	2477.3	1951.6	1323.0	845.5	460.0	51.5	0.0	0.0	0.0
45°	1912.2	1759.9	1464.2	1070.0	716.2	438.1	221.2	29.6	0.0	0.0	0.0
47.5°	780.9	716.2	589.2	453.4	324.2	205.9	92.0	13.1	0.0	0.0	0.0
50°	268.3	238.7	200.4	146.8	104.0	71.2	48.2	3.3	0.0	0.0	0.0
52.5°	77.8	78.9	69.0	59.1	46.0	32.9	24.1	0.0	0.0	0.0	0.0
55°	14.2	12.0	14.2	13.1	14.2	12.0	8.8	0.0	0.0	1.1	0.0
57.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1



TEST NUMBER: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

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	1.1	2.2	3.3	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	1.1
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: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	62.4	62.4	62.4
2.5°	40.5	36.1	34.0
5°	23.0	17.5	16.4
7.5°	12.0	7.7	6.6
10°	4.4	1.1	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



TEST NUMBER: P1316382

CATALOG NUMBER: P3SQAS17R309827DE010 E3SQCA301MB

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)