

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: P1310395

Luminaire Tested: P3SQAS17R309040DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310395
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: P3SQAS17R309040DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

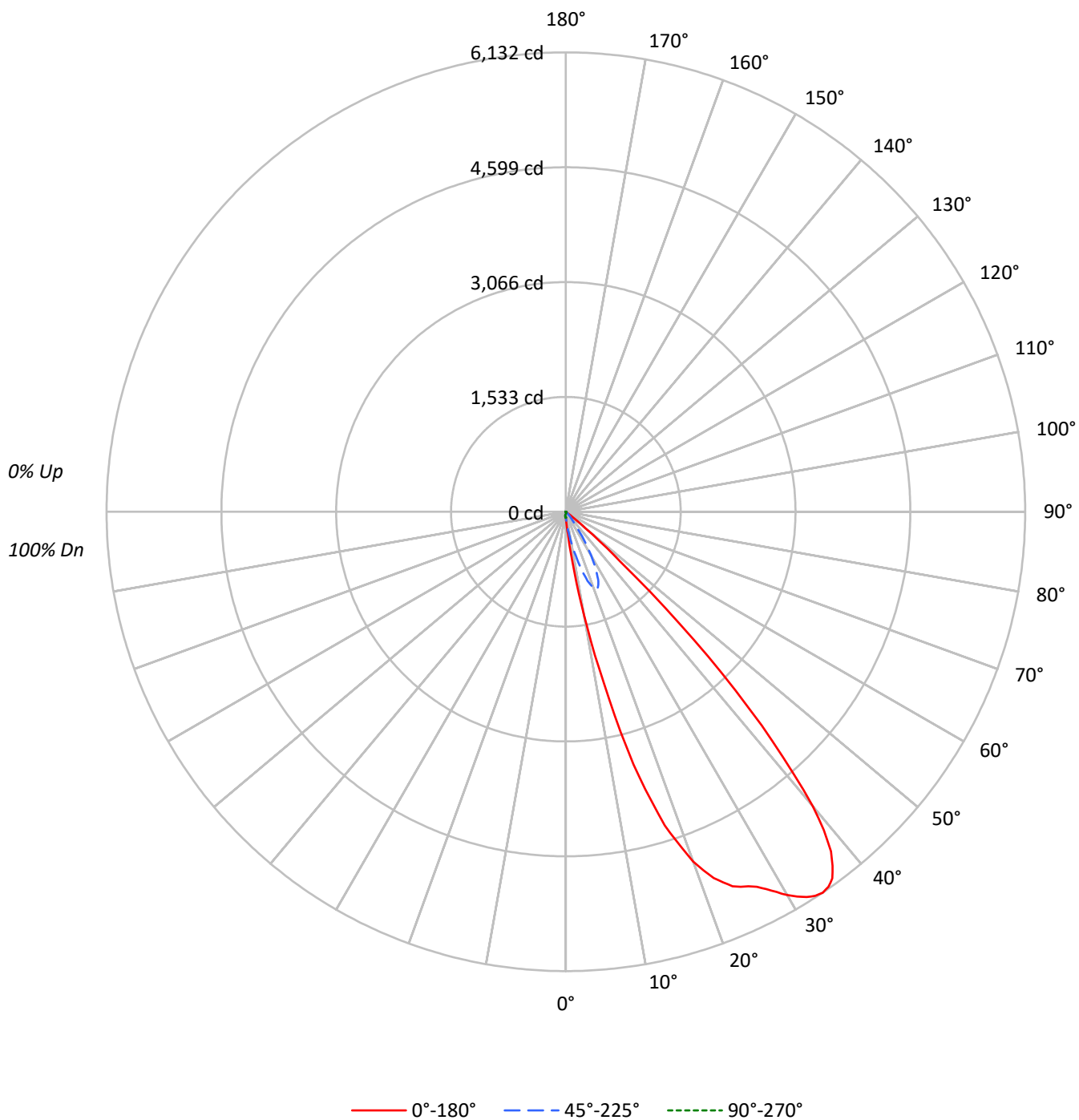
Lumens per Lamp: N/A
Luminaire Lumens: 1476.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 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	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°	13606	13606	13606	13606	13606
5°	49323	30652	12447	5031	3596
10°	244167	73397	9688	962	0
15°	622848	139786	6169	0	0
20°	910091	198781	2548	0	0
25°	1049954	195043	532	0	0
30°	1175097	133876	0	0	0
35°	1285144	57670	0	0	0
40°	1153465	22415	0	0	0
45°	589049	9109	0	0	0
50°	90936	1125	0	0	0
55°	5405	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2795	0	0
80°	0	1389	4166	0	0
85°	0	2766	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 589049 cd/sqm

TEST NUMBER: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	1.1
10°-20°	196.7	13.3
20°-30°	486.0	32.9
30°-40°	558.9	37.9
40°-50°	207.3	14.0
50°-60°	7.5	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°	699.1	47.4
0°-40°	1258.1	85.2
0°-60°	1472.9	99.8
0°-90°	1476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	285	177	72	29	21	62
15°	3493	784	35	0	0	1004
25°	5525	1026	3	0	0	2553
35°	6113	274	0	0	0	3706
45°	2418	37	0	0	0	1883
55°	18	0	1	0	0	62
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: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	139.9	141.3	141.3	137.1	135.7	134.4	130.2	117.7	98.3	79.0	63.7
5°	285.3	286.7	286.7	278.4	261.8	245.2	231.3	177.3	113.6	72.0	47.1
7.5°	673.2	674.6	645.5	612.2	545.7	511.1	447.4	272.9	128.8	65.1	30.5
10°	1396.2	1365.8	1289.6	1192.6	1090.1	957.1	822.8	419.7	139.9	55.4	19.4
12.5°	2334.0	2304.9	2206.5	2068.0	1867.2	1606.8	1351.9	590.1	141.3	44.3	11.1
15°	3493.3	3411.6	3293.9	3063.9	2767.5	2364.4	1943.4	784.0	135.7	34.6	2.8
17.5°	4392.3	4317.5	4167.9	3899.2	3530.7	3083.3	2566.7	968.2	120.5	22.2	0.0
20°	4965.7	4886.8	4746.9	4510.0	4118.0	3593.1	3001.6	1084.6	99.7	13.9	0.0
21°	5129.2	5053.0	4915.9	4680.4	4289.8	3766.2	3108.3	1109.5	90.0	11.1	0.0
22°	5273.2	5213.7	5086.3	4830.0	4432.5	3893.6	3216.3	1112.3	83.1	8.3	0.0
23°	5374.4	5331.4	5204.0	4968.5	4572.4	3997.5	3274.5	1095.7	74.8	5.5	0.0
24°	5471.3	5418.7	5309.3	5090.4	4683.2	4084.8	3327.1	1065.2	66.5	4.2	0.0
25°	5525.3	5464.4	5379.9	5174.9	4774.6	4140.2	3359.0	1026.4	58.2	2.8	0.0
26°	5562.7	5515.6	5422.8	5224.8	4813.4	4176.2	3363.1	969.6	52.6	1.4	0.0
27°	5619.5	5572.4	5482.4	5269.1	4830.0	4170.7	3338.2	904.5	45.7	0.0	0.0
28°	5705.4	5643.1	5553.0	5316.2	4836.9	4147.1	3282.8	833.9	38.8	0.0	0.0
29°	5803.8	5740.0	5641.7	5378.5	4838.3	4100.0	3195.5	756.3	34.6	0.0	0.0
30°	5909.0	5853.6	5753.9	5439.5	4853.5	4039.1	3094.4	673.2	27.7	0.0	0.0
31°	5992.1	5942.3	5835.6	5494.9	4866.0	3986.4	2969.8	590.1	23.5	0.0	0.0
32°	6064.2	6019.8	5888.3	5507.3	4841.1	3911.7	2836.8	509.7	19.4	0.0	0.0
33°	6114.0	6058.6	5904.9	5475.5	4769.1	3788.4	2688.6	433.6	15.2	0.0	0.0
34°	6132.0	6065.6	5879.9	5392.4	4623.6	3601.4	2496.0	354.6	12.5	0.0	0.0
35°	6112.6	6030.9	5789.9	5249.7	4426.9	3378.4	2264.7	274.3	9.7	0.0	0.0
36°	6050.3	5946.4	5661.1	5046.1	4145.7	3115.2	2033.4	213.3	6.9	0.0	0.0
37°	5916.0	5801.0	5440.9	4777.4	3867.3	2813.2	1770.2	166.2	4.2	0.0	0.0
38°	5751.1	5584.9	5147.2	4438.0	3507.2	2473.9	1509.8	137.1	2.8	0.0	0.0
39°	5469.9	5287.1	4798.1	4047.4	3154.0	2151.1	1256.3	119.1	1.4	0.0	0.0
40°	5130.6	4913.1	4399.2	3629.1	2737.0	1813.2	1048.6	99.7	1.4	0.0	0.0
42.5°	3870.1	3685.9	3133.2	2468.3	1673.3	1069.3	581.8	65.1	0.0	0.0	0.0
45°	2418.5	2225.9	1851.9	1353.3	905.9	554.1	279.8	37.4	0.0	0.0	0.0
47.5°	987.6	905.9	745.2	573.5	410.0	260.4	116.4	16.6	0.0	0.0	0.0
50°	339.4	302.0	253.5	185.6	131.6	90.0	60.9	4.2	0.0	0.0	0.0
52.5°	98.3	99.7	87.3	74.8	58.2	41.6	30.5	0.0	0.0	0.0	0.0
55°	18.0	15.2	18.0	16.6	18.0	15.2	11.1	0.0	0.0	1.4	0.0
57.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4



TEST NUMBER: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 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	1.4	2.8	4.2	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
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: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	79.0	79.0	79.0
2.5°	51.3	45.7	42.9
5°	29.1	22.2	20.8
7.5°	15.2	9.7	8.3
10°	5.5	1.4	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: P1310395

CATALOG NUMBER: P3SQAS17R309040DE010 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)