

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: P1310397

Luminaire Tested: P3SQAS17R309040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

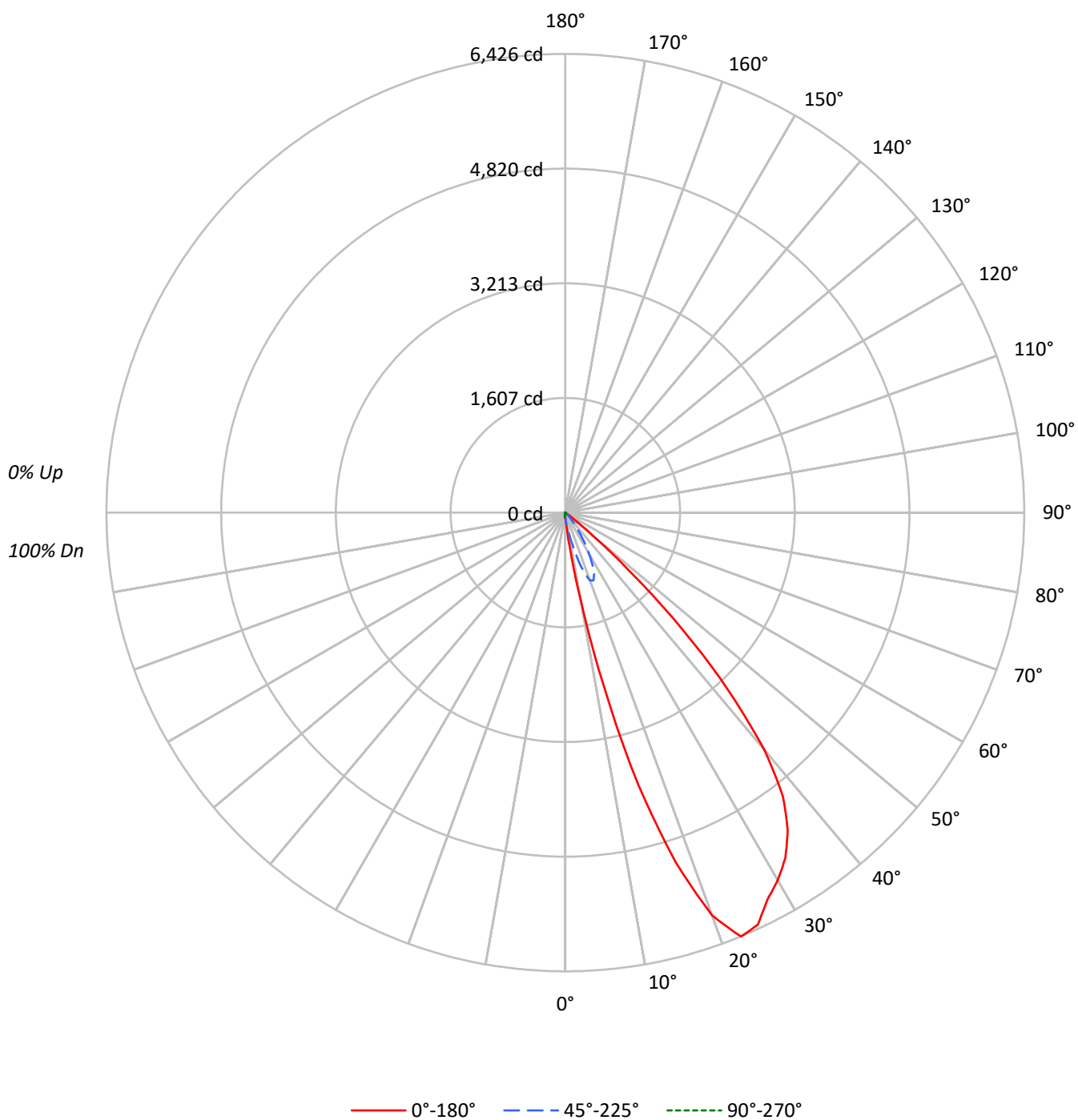
Lumens per Lamp: N/A
Luminaire Lumens: 1515.1 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310397

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310397

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MW

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	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12400	12400	12400	12400	12400
5°	37342	24895	11721	5273	4305
10°	216186	52779	9199	2413	1696
15°	703225	119709	6419	499	250
20°	1100386	185218	4050	0	0
25°	1210622	180981	2109	0	0
30°	1182415	130496	835	0	0
35°	1141231	74216	294	0	0
40°	973226	31430	0	0	0
45°	571172	11813	341	0	341
50°	138735	2224	375	375	1125
55°	12040	0	841	1261	1651
60°	482	0	964	1447	2377
65°	571	571	1712	1712	2812
70°	705	705	2115	2115	2769
75°	0	932	2795	2795	2795
80°	0	1389	4166	2777	2777
85°	0	2766	8299	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 571172 cd/sqm

TEST NUMBER: P1310397

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.9
10°-20°	208.2	13.7
20°-30°	529.1	34.9
30°-40°	527.4	34.8
40°-50°	213.7	14.1
50°-60°	14.8	1.0
60°-70°	3.4	0.2
70°-80°	3.4	0.2
80°-90°	1.9	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°	750.6	49.5
0°-40°	1278.0	84.4
0°-60°	1506.4	99.4
0°-90°	1515.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	72	72	72	72	72	
5°	216	144	68	30	25	50
15°	3944	671	36	3	1	1148
25°	6371	952	11	0	0	2877
35°	5428	353	1	0	0	3327
45°	2345	48	1	0	1	1789
55°	40	0	3	4	6	105
65°	1	1	4	4	7	1
75°	0	1	4	4	4	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1310397

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2.5°	119.1	120.4	120.4	117.7	116.3	116.3	112.1	110.7	106.6	102.4	88.6
5°	216.0	211.8	206.3	206.3	193.8	186.9	177.2	166.1	157.8	144.0	102.4
7.5°	490.1	456.8	447.1	434.7	387.6	350.2	307.3	270.0	235.3	206.3	113.5
10°	1236.2	1171.2	1117.2	1007.8	870.8	739.2	617.4	476.2	379.3	301.8	121.8
12.5°	2490.5	2403.3	2299.4	2100.1	1844.0	1515.9	1225.2	915.1	642.3	444.4	124.6
15°	3944.1	3795.9	3634.0	3380.6	2961.2	2490.5	1965.8	1471.6	1031.4	671.4	121.8
17.5°	5129.1	5070.9	4831.4	4485.3	3971.7	3365.4	2718.9	2043.3	1391.3	879.1	113.5
20°	6004.0	5963.8	5674.5	5306.3	4727.6	4032.6	3211.7	2400.5	1641.9	1010.6	101.1
22.5°	6426.2	6419.3	6210.3	5833.7	5220.4	4432.7	3528.7	2606.8	1719.4	1028.6	84.4
25°	6370.8	6395.8	6276.7	5997.1	5408.7	4597.5	3622.9	2606.8	1662.6	952.4	70.6
27.5°	6118.9	6135.5	6060.7	5846.2	5298.0	4478.4	3491.4	2439.2	1497.9	818.2	58.1
30°	5945.8	5952.8	5860.0	5630.2	5048.8	4207.1	3181.3	2129.2	1248.7	656.2	42.9
32.5°	5735.4	5734.0	5626.1	5363.0	4722.1	3826.4	2788.1	1759.5	959.4	498.4	24.9
35°	5428.1	5393.5	5246.7	4943.6	4234.8	3314.2	2285.6	1340.1	690.8	353.0	15.2
37.5°	5005.9	4915.9	4708.2	4302.6	3550.9	2598.4	1694.5	941.4	472.1	234.0	9.7
40°	4328.9	4233.4	3951.0	3458.1	2685.7	1870.3	1142.1	613.3	297.6	139.8	5.5
42.5°	3394.5	3329.4	2948.7	2457.2	1773.4	1193.3	686.6	362.7	167.5	80.3	1.4
45°	2345.1	2260.7	1961.6	1544.9	1064.6	661.7	384.9	189.7	95.5	48.5	0.0
47.5°	1294.4	1190.6	1017.5	800.2	535.7	347.5	193.8	102.4	54.0	23.5	0.0
50°	517.8	513.6	408.4	290.7	204.9	157.8	96.9	55.4	27.7	8.3	1.4
52.5°	181.4	181.4	156.4	127.4	99.7	72.0	48.5	26.3	9.7	2.8	1.4
55°	40.1	44.3	41.5	38.8	37.4	31.8	20.8	9.7	2.8	0.0	1.4
57.5°	4.2	4.2	4.2	5.5	6.9	6.9	5.5	2.8	0.0	0.0	1.4
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8
62.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	2.8
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
75°	0.0	0.0	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	4.2
77.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
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: P1310397

CATALOG NUMBER: P3SQAS17R309040DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	72.0	72.0	72.0	72.0	72.0
2.5°	72.0	56.8	47.1	41.5	40.1
5°	67.8	42.9	30.5	26.3	24.9
7.5°	60.9	31.8	20.8	16.6	15.2
10°	52.6	23.5	13.8	9.7	9.7
12.5°	44.3	18.0	8.3	4.2	2.8
15°	36.0	11.1	2.8	1.4	1.4
17.5°	27.7	6.9	0.0	0.0	0.0
20°	22.1	2.8	0.0	0.0	0.0
22.5°	16.6	1.4	0.0	0.0	0.0
25°	11.1	0.0	0.0	0.0	0.0
27.5°	6.9	0.0	0.0	0.0	0.0
30°	4.2	0.0	0.0	0.0	0.0
32.5°	1.4	0.0	0.0	0.0	0.0
35°	1.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.4	0.0	0.0	1.4	1.4
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	2.8	4.2
52.5°	2.8	1.4	2.8	4.2	4.2
55°	2.8	2.8	4.2	5.5	5.5
57.5°	2.8	2.8	4.2	5.5	5.5
60°	2.8	2.8	4.2	5.5	6.9
62.5°	4.2	4.2	4.2	5.5	5.5
65°	4.2	4.2	4.2	5.5	6.9
67.5°	4.2	4.2	4.2	5.5	6.9
70°	4.2	4.2	4.2	5.5	5.5
72.5°	5.5	4.2	4.2	5.5	5.5
75°	4.2	4.2	4.2	4.2	4.2
77.5°	4.2	4.2	2.8	4.2	4.2
80°	4.2	2.8	2.8	2.8	2.8
82.5°	4.2	2.8	2.8	2.8	2.8
85°	4.2	2.8	1.4	1.4	1.4
87.5°	4.2	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)