

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: P1315800

Luminaire Tested: P3SQAS02R309827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315800
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: P3SQAS02R309827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

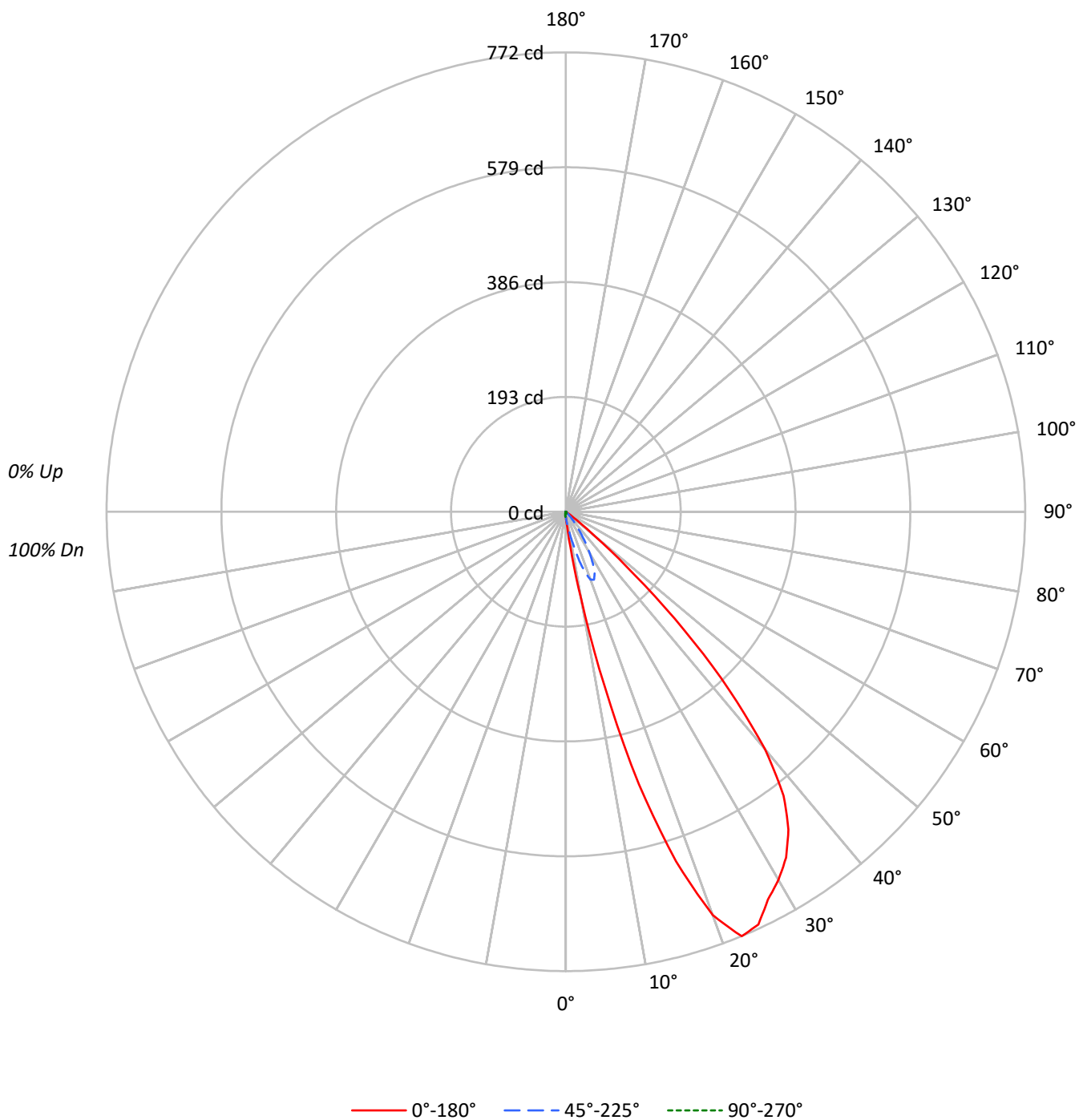
Lumens per Lamp: N/A
Luminaire Lumens: 182.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1315800

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315800

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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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	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	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1481	1481	1481	1481	1481
5°	4478	2991	1400	640	519
10°	25970	6348	1102	297	210
15°	84478	14389	767	53	36
20°	132197	22250	495	0	0
25°	145427	21739	247	0	0
30°	142050	15671	99	0	0
35°	137101	8914	42	0	0
40°	116907	3777	0	0	0
45°	68611	1413	49	0	49
50°	16665	268	54	54	134
55°	1441	0	90	150	210
60°	69	0	103	172	276
65°	82	82	204	204	326
70°	101	101	252	252	352
75°	0	133	333	333	333
80°	0	198	496	298	298
85°	0	395	988	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68611 cd/sqm

TEST NUMBER: P1315800

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.9
10°-20°	25.0	13.7
20°-30°	63.6	34.9
30°-40°	63.4	34.8
40°-50°	25.7	14.1
50°-60°	1.8	1.0
60°-70°	0.4	0.2
70°-80°	0.4	0.2
80°-90°	0.2	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°	90.2	49.5
0°-40°	153.5	84.3
0°-60°	181.0	99.4
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	26	17	8	4	3	6
15°	474	81	4	0	0	138
25°	765	114	1	0	0	346
35°	652	42	0	0	0	400
45°	282	6	0	0	0	215
55°	5	0	0	0	1	13
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315800

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
2.5°	14.3	14.5	14.5	14.1	14.0	14.0	13.5	13.3	12.8	12.3	10.6
5°	25.9	25.4	24.8	24.8	23.3	22.5	21.3	20.0	19.0	17.3	12.3
7.5°	58.9	54.9	53.7	52.2	46.6	42.1	36.9	32.4	28.3	24.8	13.6
10°	148.5	140.7	134.2	121.1	104.6	88.8	74.2	57.2	45.6	36.3	14.6
12.5°	299.2	288.7	276.2	252.3	221.5	182.1	147.2	109.9	77.2	53.4	15.0
15°	473.8	456.0	436.6	406.1	355.7	299.2	236.2	176.8	123.9	80.7	14.6
17.5°	616.2	609.2	580.4	538.8	477.1	404.3	326.6	245.5	167.1	105.6	13.6
20°	721.3	716.4	681.7	637.5	567.9	484.5	385.8	288.4	197.2	121.4	12.1
22.5°	772.0	771.2	746.1	700.8	627.1	532.5	423.9	313.2	206.6	123.6	10.1
25°	765.3	768.3	754.0	720.4	649.8	552.3	435.2	313.2	199.7	114.4	8.5
27.5°	735.1	737.1	728.1	702.3	636.5	538.0	419.4	293.0	179.9	98.3	7.0
30°	714.3	715.1	704.0	676.4	606.5	505.4	382.2	255.8	150.0	78.8	5.2
32.5°	689.0	688.8	675.9	644.3	567.3	459.7	334.9	211.4	115.3	59.9	3.0
35°	652.1	647.9	630.3	593.9	508.7	398.1	274.6	161.0	83.0	42.4	1.8
37.5°	601.4	590.6	565.6	516.9	426.6	312.2	203.6	113.1	56.7	28.1	1.2
40°	520.0	508.6	474.6	415.4	322.6	224.7	137.2	73.7	35.8	16.8	0.7
42.5°	407.8	400.0	354.2	295.2	213.0	143.4	82.5	43.6	20.1	9.6	0.2
45°	281.7	271.6	235.7	185.6	127.9	79.5	46.2	22.8	11.5	5.8	0.0
47.5°	155.5	143.0	122.2	96.1	64.4	41.7	23.3	12.3	6.5	2.8	0.0
50°	62.2	61.7	49.1	34.9	24.6	19.0	11.6	6.7	3.3	1.0	0.2
52.5°	21.8	21.8	18.8	15.3	12.0	8.6	5.8	3.2	1.2	0.3	0.2
55°	4.8	5.3	5.0	4.7	4.5	3.8	2.5	1.2	0.3	0.0	0.2
57.5°	0.5	0.5	0.5	0.7	0.8	0.8	0.7	0.3	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.3
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
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: P1315800

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	8.6	8.6	8.6	8.6	8.6
2.5°	8.6	6.8	5.7	5.0	4.8
5°	8.1	5.2	3.7	3.2	3.0
7.5°	7.3	3.8	2.5	2.0	1.8
10°	6.3	2.8	1.7	1.2	1.2
12.5°	5.3	2.2	1.0	0.5	0.3
15°	4.3	1.3	0.3	0.2	0.2
17.5°	3.3	0.8	0.0	0.0	0.0
20°	2.7	0.3	0.0	0.0	0.0
22.5°	2.0	0.2	0.0	0.0	0.0
25°	1.3	0.0	0.0	0.0	0.0
27.5°	0.8	0.0	0.0	0.0	0.0
30°	0.5	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.3	0.3
50°	0.2	0.2	0.2	0.3	0.5
52.5°	0.3	0.2	0.3	0.5	0.5
55°	0.3	0.3	0.5	0.7	0.7
57.5°	0.3	0.3	0.5	0.7	0.7
60°	0.3	0.3	0.5	0.7	0.8
62.5°	0.5	0.5	0.5	0.7	0.7
65°	0.5	0.5	0.5	0.7	0.8
67.5°	0.5	0.5	0.5	0.7	0.8
70°	0.5	0.5	0.5	0.7	0.7
72.5°	0.7	0.5	0.5	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.3	0.5	0.5
80°	0.5	0.3	0.3	0.3	0.3
82.5°	0.5	0.3	0.3	0.3	0.3
85°	0.5	0.3	0.2	0.2	0.2
87.5°	0.5	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)