

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: P1312337

Luminaire Tested: P3SQAS09R609727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

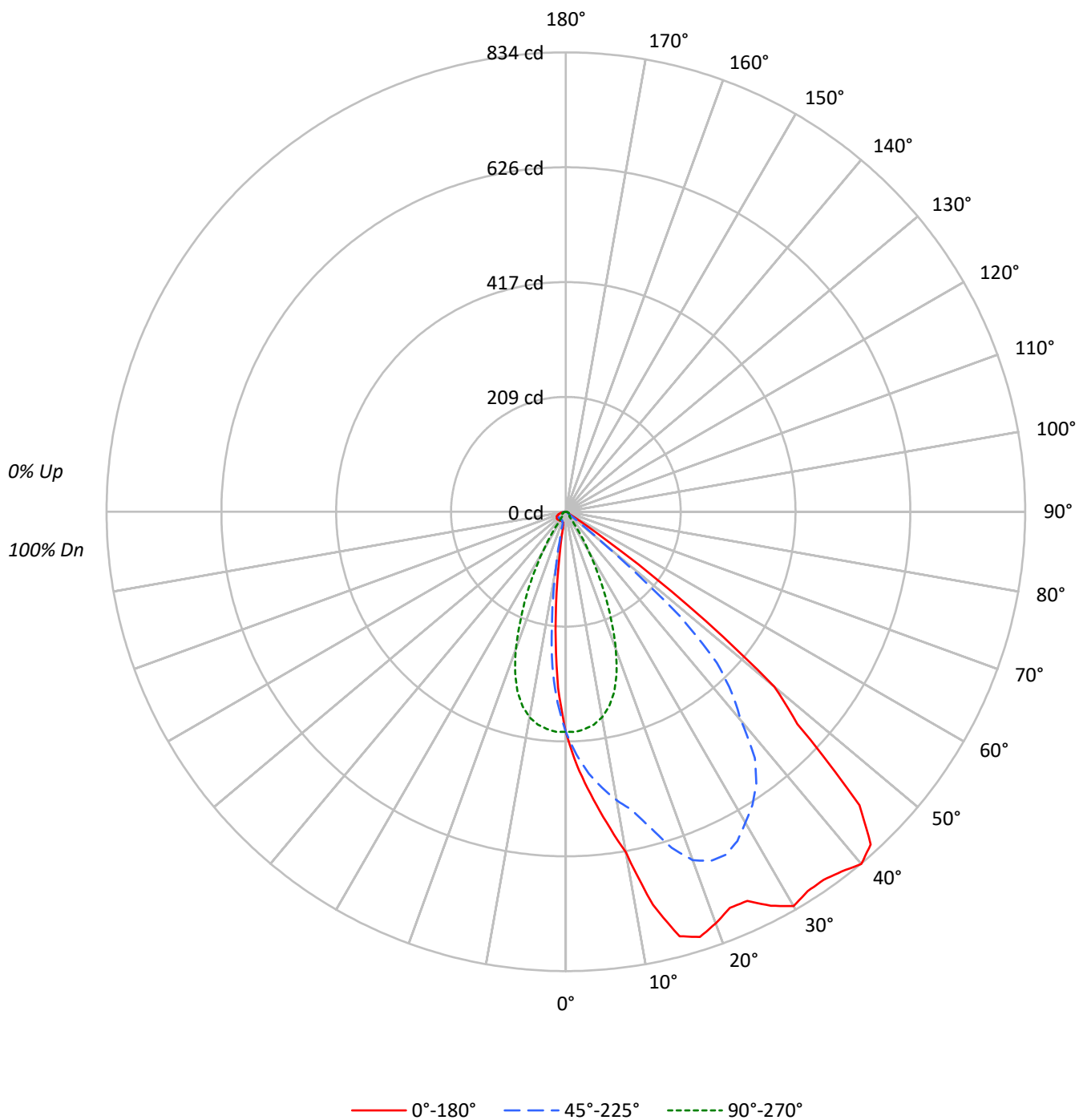
Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55		64	59	55		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38		47	42	38		47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	68803	68803	68803	68803	68803
5°	88878	82516	68426	48735	37187
10°	109842	93018	66227	18432	5456
15°	142246	105856	60407	4047	3602
20°	145759	123308	48623	3372	3482
25°	148107	130529	32609	3268	3496
30°	164382	129660	16824	3281	3659
35°	171476	126757	4646	3469	3995
40°	187613	111174	2203	3710	4406
45°	183571	94477	2241	4019	4920
50°	132331	23310	2465	4421	5412
55°	25402	1471	2582	4774	6065
60°	1274	1481	2549	5063	6544
65°	1263	1508	2486	5257	7009
70°	1259	1561	2467	5237	7100
75°	1198	1664	2462	5323	7320
80°	595	1785	2479	5455	7339
85°	1186	1186	2371	4940	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 183571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	5.4
10°-20°	95.9	14.8
20°-30°	147.6	22.7
30°-40°	173.2	26.7
40°-50°	138.9	21.4
50°-60°	43.1	6.6
60°-70°	8.2	1.3
70°-80°	5.4	0.8
80°-90°	1.9	0.3
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°	278.3	42.9
0°-40°	451.5	69.6
0°-60°	633.5	97.6
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	400	400	400	400	400	
5°	514	477	396	282	215	52
15°	798	594	339	23	20	218
25°	779	687	172	17	18	368
35°	816	603	22	16	19	516
45°	754	388	9	16	20	539
55°	85	5	9	16	20	134
65°	3	4	6	13	17	3
75°	2	2	4	8	11	2
85°	1	1	1	2	4	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5
2.5°	460.8	455.9	455.9	454.0	452.2	452.8	447.9	449.7	444.8	441.2	438.1
5°	514.1	508.0	507.3	504.3	501.2	498.8	492.6	489.0	481.6	477.3	468.1
7.5°	569.2	564.3	561.3	557.6	552.1	545.9	535.5	528.8	517.1	505.5	493.9
10°	628.1	623.8	617.0	612.7	597.4	587.6	573.5	564.3	547.2	531.9	514.1
12.5°	731.0	728.5	715.7	707.1	685.0	665.4	634.8	610.3	579.6	554.5	530.6
15°	797.8	794.7	788.0	780.0	765.9	743.9	716.3	682.0	639.1	593.7	553.3
17.5°	809.4	810.0	805.7	803.9	794.7	780.6	758.6	732.8	689.9	639.7	584.6
20°	795.3	800.2	799.0	802.7	804.5	799.0	784.3	759.2	721.8	672.8	610.9
22.5°	778.2	782.5	781.2	788.0	798.4	803.9	799.0	778.8	740.8	686.3	625.6
25°	779.4	782.5	773.3	777.6	791.0	804.5	805.1	787.4	746.3	686.9	624.4
27.5°	806.4	797.2	776.3	774.5	791.0	808.2	809.4	787.4	738.3	674.0	612.1
30°	826.6	819.8	796.6	793.5	809.4	821.1	814.9	780.6	719.4	652.0	594.4
32.5°	816.8	818.0	808.2	818.0	838.8	843.7	818.0	764.7	693.0	630.5	573.5
35°	815.6	820.5	826.0	841.3	855.4	843.7	802.7	734.7	664.8	602.9	541.0
37.5°	822.9	830.9	838.8	852.3	852.3	822.3	762.2	696.7	631.1	563.7	473.6
40°	834.5	839.4	841.9	840.7	824.1	780.0	716.3	650.7	588.2	494.5	428.9
42.5°	819.2	818.6	816.2	805.7	775.1	717.5	658.1	604.8	506.1	446.1	371.3
45°	753.7	753.7	746.9	730.4	702.2	654.4	601.7	523.9	461.4	387.9	275.7
47.5°	570.5	566.2	573.5	583.3	583.3	579.0	531.2	463.8	400.1	280.0	88.2
50°	493.9	487.1	477.9	479.8	478.5	483.4	452.8	402.0	296.0	87.0	6.1
52.5°	279.4	291.7	321.7	364.0	383.0	389.7	370.7	305.8	99.9	5.5	4.9
55°	84.6	87.0	98.7	121.3	164.8	210.8	213.8	99.3	6.7	4.9	4.9
57.5°	3.7	3.7	4.9	7.4	17.2	25.7	27.6	6.1	4.3	4.9	4.9
60°	3.7	3.7	3.7	3.7	3.7	3.7	4.3	4.3	4.3	4.3	4.9
62.5°	3.1	3.1	3.7	3.7	3.7	3.7	3.7	3.7	4.3	4.3	4.3
65°	3.1	3.1	3.1	3.1	3.1	3.1	3.7	3.7	3.7	3.7	4.3
67.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.7	3.7	3.7
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1
72.5°	1.8	1.8	1.8	1.8	1.8	2.5	2.5	2.5	2.5	2.5	3.1
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5	2.5	2.5	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5
2.5°	433.8	428.9	423.4	400.1	377.4	346.8	326.0	319.8
5°	460.2	452.2	439.9	395.8	342.5	281.9	232.8	215.1
7.5°	482.2	470.0	452.8	389.7	300.9	191.2	123.2	104.2
10°	498.2	482.8	460.8	378.7	245.7	105.4	41.7	31.2
12.5°	511.6	491.4	465.1	362.1	178.9	42.9	21.4	21.4
15°	520.8	496.3	466.9	338.8	115.8	22.7	20.2	20.2
17.5°	533.7	501.8	466.9	306.4	63.1	19.6	19.6	19.6
20°	554.5	507.3	460.2	265.3	34.9	18.4	19.0	19.0
22.5°	565.6	515.3	451.6	217.5	22.1	17.8	18.4	18.4
25°	568.0	514.1	433.2	171.6	17.8	17.2	17.8	18.4
27.5°	559.4	505.5	408.7	125.0	15.9	16.5	17.8	18.4
30°	544.1	484.7	369.5	84.6	14.7	16.5	17.8	18.4
32.5°	515.3	434.4	323.5	50.9	14.1	16.5	17.8	19.0
35°	451.0	381.7	270.8	22.1	13.5	16.5	18.4	19.0
37.5°	404.4	329.0	209.6	11.0	13.5	16.5	18.4	19.6
40°	352.9	264.7	96.8	9.8	13.5	16.5	18.4	19.6
42.5°	269.0	122.5	11.6	9.8	12.9	16.5	19.0	19.6
45°	98.0	12.9	6.1	9.2	12.9	16.5	19.0	20.2
47.5°	7.4	4.9	5.5	9.2	12.9	16.5	19.0	20.2
50°	4.9	4.9	5.5	9.2	12.9	16.5	19.0	20.2
52.5°	4.9	5.5	5.5	8.6	12.3	16.5	19.0	20.2
55°	4.9	5.5	5.5	8.6	12.3	15.9	19.0	20.2
57.5°	4.9	4.9	5.5	8.0	11.6	15.3	19.0	19.6
60°	4.9	4.9	5.5	7.4	11.0	14.7	17.8	19.0
62.5°	4.9	4.9	4.9	6.7	10.4	14.1	17.2	18.4
65°	4.3	4.3	4.9	6.1	9.2	12.9	15.9	17.2
67.5°	3.7	4.3	4.3	5.5	8.6	11.6	14.7	15.9
70°	3.7	3.7	3.7	4.9	7.4	10.4	13.5	14.1
72.5°	3.1	3.1	3.7	4.3	6.7	9.2	12.3	12.9
75°	2.5	3.1	3.1	3.7	5.5	8.0	10.4	11.0
77.5°	2.5	2.5	2.5	3.1	4.9	6.7	8.6	9.2
80°	1.8	1.8	1.8	2.5	3.7	5.5	6.7	7.4
82.5°	1.2	1.8	1.8	1.8	3.1	3.7	4.9	5.5
85°	1.2	1.2	1.2	1.2	1.8	2.5	3.1	3.7
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)