

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: P1309824

Luminaire Tested: P3SQAS02R659040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R659040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

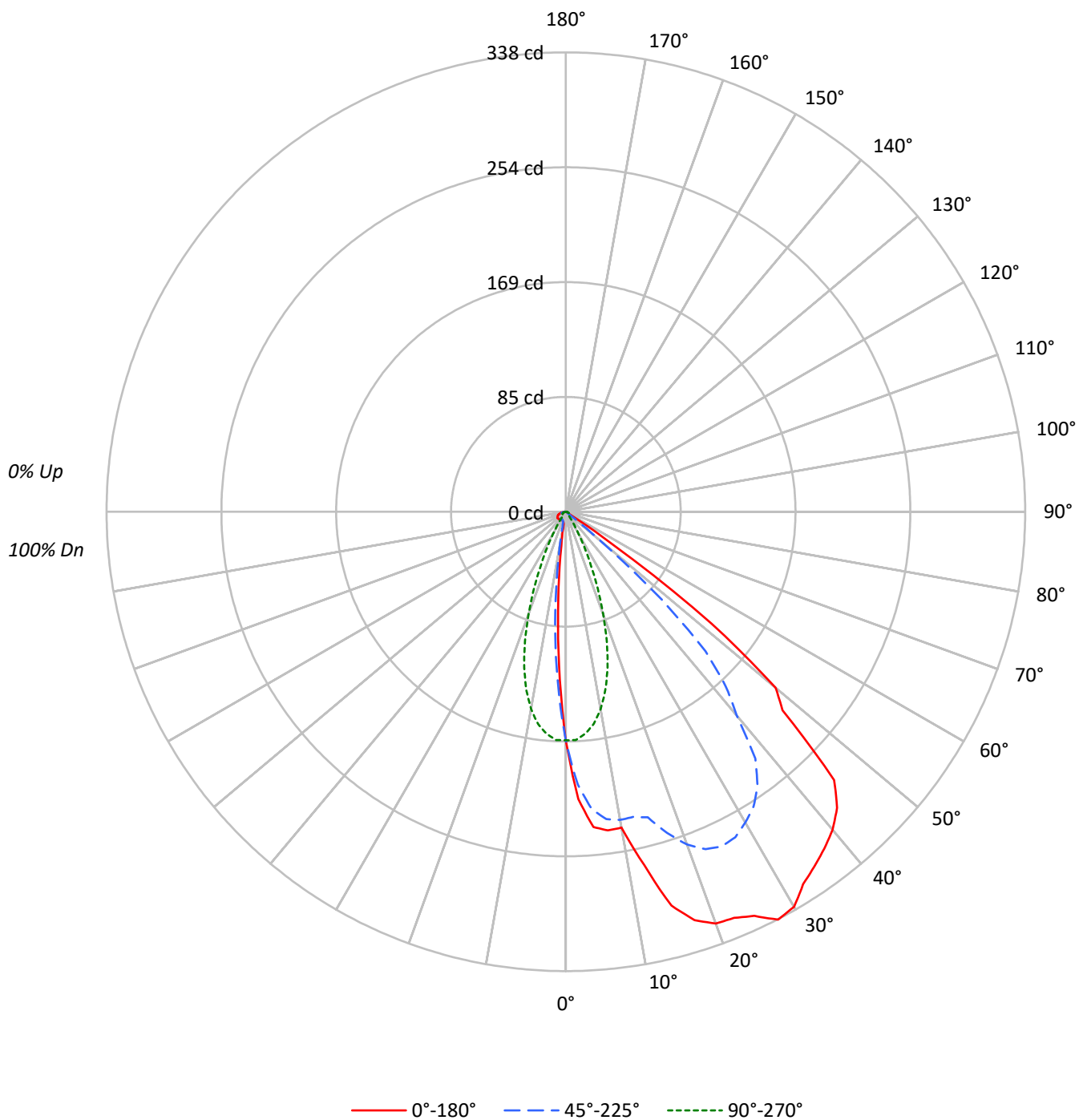
Lumens per Lamp: N/A
Luminaire Lumens: 252.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28951	28951	28951	28951	28951
5°	40247	37982	28335	15577	10961
10°	41272	40257	25777	4354	1609
15°	53472	41508	21110	1409	1355
20°	59088	47762	14680	1246	1301
25°	62348	51611	8304	1197	1292
30°	66759	52501	3759	1193	1352
35°	67005	51699	1219	1261	1493
40°	68660	43930	832	1349	1641
45°	68002	35389	828	1461	1778
50°	53961	8359	831	1608	2036
55°	12821	480	871	1802	2282
60°	448	551	999	1894	2446
65°	530	530	978	2038	2649
70°	403	504	906	1964	2769
75°	333	532	865	2063	2795
80°	298	496	992	2083	2876
85°	593	988	988	1976	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 68124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	5.6
10°-20°	36.9	14.7
20°-30°	58.0	23.0
30°-40°	66.4	26.4
40°-50°	53.4	21.2
50°-60°	17.4	6.9
60°-70°	3.1	1.2
70°-80°	2.0	0.8
80°-90°	0.7	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°	109.0	43.3
0°-40°	175.4	69.6
0°-60°	246.2	97.7
0°-90°	252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	168	168	168	168	168	
5°	233	220	164	90	63	22
15°	300	233	118	8	8	84
25°	328	272	44	6	7	153
35°	319	246	6	6	7	200
45°	279	145	3	6	7	201
55°	43	2	3	6	8	61
65°	1	1	2	5	6	1
75°	0	1	1	3	4	1
85°	0	0	0	1	1	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°	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1
2.5°	211.6	210.8	211.9	210.0	209.8	207.9	206.9	206.4	204.0	200.9	198.0
5°	232.8	229.7	230.5	230.2	228.9	228.1	227.0	225.7	222.6	219.7	216.1
7.5°	236.5	233.9	234.4	234.6	233.9	233.6	233.3	232.8	230.7	228.1	225.0
10°	236.0	233.3	233.1	232.3	231.5	231.8	231.8	231.8	231.2	230.2	229.1
12.5°	266.3	262.7	261.9	256.4	251.4	242.8	237.3	232.0	229.7	229.9	229.1
15°	299.9	299.6	297.0	291.7	283.4	275.5	262.9	253.5	241.5	232.8	229.1
17.5°	315.0	314.8	312.4	308.0	301.9	294.6	285.4	274.4	261.1	247.7	236.7
20°	322.4	324.2	321.6	317.9	312.2	305.4	296.7	286.8	274.2	260.6	247.5
22.5°	323.4	325.8	323.4	320.8	316.6	312.2	304.8	294.6	281.8	268.7	255.9
25°	328.1	328.9	323.9	320.5	316.6	313.5	307.7	298.8	285.7	271.6	259.0
27.5°	338.3	334.9	324.5	319.8	316.1	313.2	307.7	298.5	284.4	270.0	256.9
30°	335.7	334.4	325.3	320.8	317.7	314.8	308.0	296.2	279.2	264.0	250.4
32.5°	325.0	327.6	324.5	322.9	321.3	317.7	307.7	291.7	272.6	257.2	238.8
35°	318.7	321.8	322.1	322.1	320.3	314.8	303.0	285.2	266.1	245.9	221.3
37.5°	312.4	315.0	316.6	317.7	315.0	307.2	292.3	276.3	255.3	228.9	185.7
40°	305.4	307.2	308.5	309.0	305.1	294.9	281.3	263.2	239.6	195.4	165.8
42.5°	295.4	296.4	296.2	295.9	291.7	280.5	267.6	248.8	202.2	174.1	138.3
45°	279.2	278.1	279.7	279.7	274.2	265.8	248.8	212.1	181.0	145.3	89.0
47.5°	216.3	217.1	224.7	237.0	244.6	242.2	219.2	185.7	152.2	95.3	29.6
50°	201.4	200.6	200.9	202.2	203.0	196.4	179.9	156.9	100.6	31.2	2.1
52.5°	135.1	135.9	141.9	155.8	160.3	155.6	139.8	104.8	36.7	2.1	1.8
55°	42.7	45.6	49.0	56.3	69.1	77.3	75.7	37.2	2.4	1.6	1.8
57.5°	1.6	1.6	2.1	3.7	7.1	11.5	12.0	2.4	1.8	1.8	1.8
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
70°	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
80°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	168.1	168.1	168.1	168.1	168.1	168.1	168.1	168.1
2.5°	196.4	193.3	187.0	168.1	148.5	128.8	116.5	113.4
5°	211.9	208.2	199.3	163.9	124.1	90.1	70.7	63.4
7.5°	221.3	216.8	206.4	157.4	96.6	52.4	31.4	25.1
10°	225.5	221.5	209.8	147.4	69.9	24.9	11.0	9.2
12.5°	227.3	224.2	211.1	134.3	45.6	11.0	8.1	7.9
15°	228.1	224.7	210.6	118.4	25.9	7.9	7.6	7.6
17.5°	228.9	225.0	207.4	100.0	14.4	7.3	7.1	7.3
20°	235.2	223.9	201.9	80.1	9.4	6.8	6.8	7.1
22.5°	241.5	223.6	192.2	61.3	7.3	6.5	6.8	6.8
25°	243.5	221.0	179.9	43.7	6.3	6.3	6.5	6.8
27.5°	239.6	213.4	163.4	29.6	5.5	6.3	6.5	6.8
30°	230.5	200.6	143.5	18.9	5.2	6.0	6.5	6.8
32.5°	213.4	175.2	121.3	11.3	5.0	6.0	6.8	6.8
35°	179.4	146.9	96.1	5.8	5.0	6.0	6.8	7.1
37.5°	156.9	122.6	67.0	3.9	5.0	6.0	6.8	7.1
40°	130.2	88.5	28.0	3.7	5.0	6.0	6.8	7.3
42.5°	90.1	38.5	4.5	3.4	4.7	6.0	7.1	7.3
45°	32.5	5.0	2.1	3.4	4.7	6.0	7.1	7.3
47.5°	2.9	1.8	2.1	3.4	4.7	6.0	7.1	7.6
50°	1.8	1.8	1.8	3.1	4.7	6.0	7.1	7.6
52.5°	1.8	1.8	1.8	3.1	4.5	6.0	7.3	7.6
55°	1.8	1.8	1.8	2.9	4.5	6.0	7.1	7.6
57.5°	1.8	1.8	2.1	2.9	4.5	5.8	7.1	7.3
60°	1.8	1.8	1.8	2.9	4.2	5.5	6.8	7.1
62.5°	1.6	1.8	1.8	2.6	3.9	5.2	6.5	6.8
65°	1.6	1.6	1.8	2.4	3.7	5.0	6.0	6.5
67.5°	1.3	1.6	1.6	2.1	3.1	4.5	5.5	6.0
70°	1.3	1.3	1.3	1.8	2.9	3.9	5.2	5.5
72.5°	1.0	1.3	1.3	1.6	2.4	3.4	4.5	5.0
75°	1.0	1.0	1.0	1.3	2.1	3.1	3.9	4.2
77.5°	0.8	0.8	1.0	1.0	1.8	2.4	3.4	3.7
80°	0.8	0.8	0.8	1.0	1.3	2.1	2.6	2.9
82.5°	0.5	0.5	0.5	0.8	1.0	1.3	1.8	2.1
85°	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)