

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: P1312997

Luminaire Tested: P3SQAS02R709730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

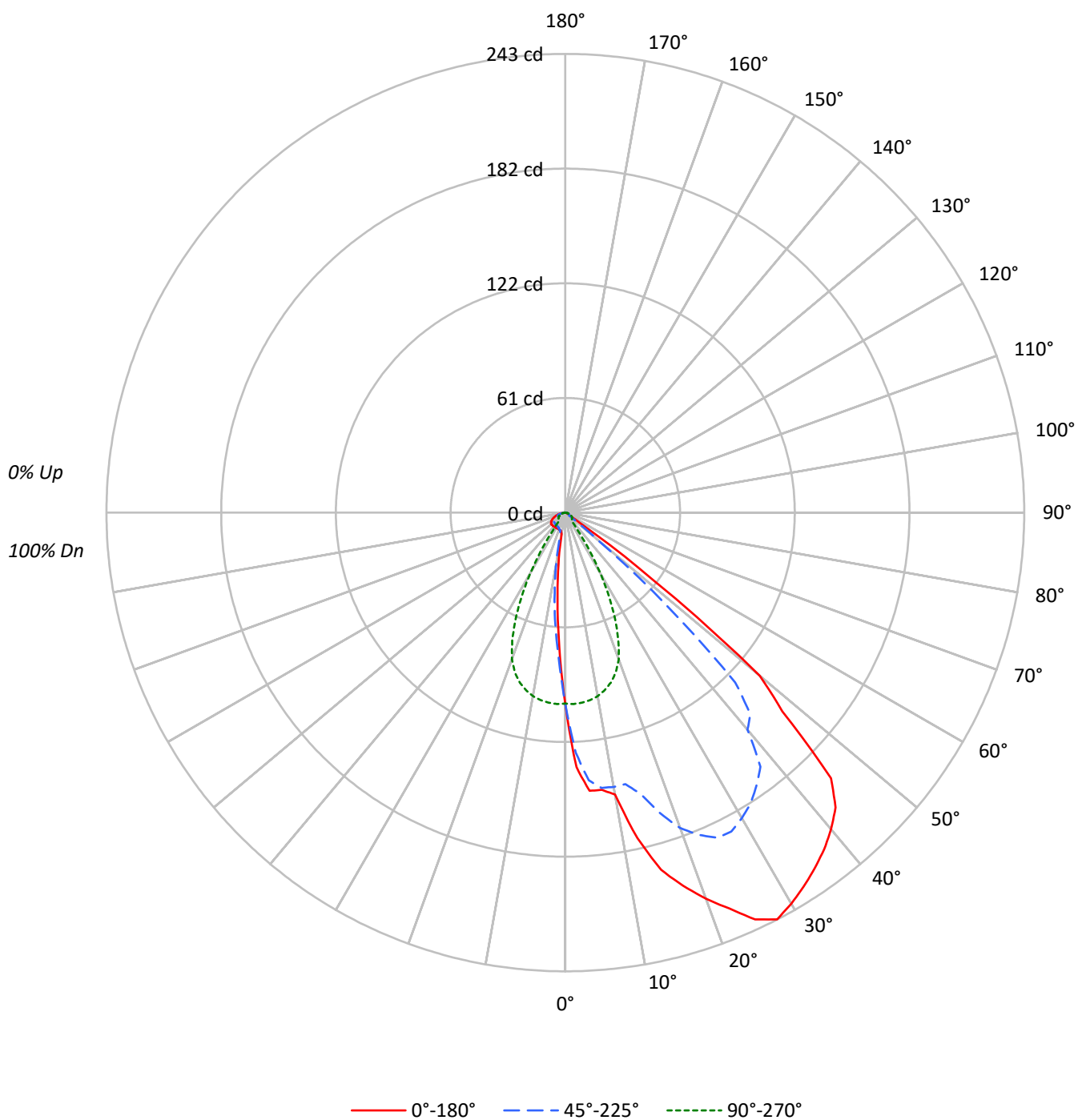
Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17412	17412	17412	17412	17412
5°	25569	24601	17478	10425	8177
10°	26512	25795	17261	4984	2011
15°	34929	27494	16617	1783	1747
20°	39881	32586	15139	1723	1759
25°	45169	36105	11877	1653	1748
30°	47569	37168	7358	1651	1869
35°	48377	37108	2418	1703	1976
40°	49213	33746	1169	1821	2158
45°	48444	30981	1218	1900	2338
50°	36010	5734	1232	2090	2572
55°	2883	781	1321	2222	2762
60°	586	827	1274	2239	2859
65°	611	815	1263	2201	2934
70°	554	755	1209	2065	2870
75°	466	732	998	2063	2728
80°	397	694	1091	1984	2579
85°	395	790	1383	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 49029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	4.8
10°-20°	25.9	13.5
20°-30°	43.4	22.6
30°-40°	52.2	27.2
40°-50°	41.4	21.6
50°-60°	13.2	6.9
60°-70°	3.7	1.9
70°-80°	2.2	1.2
80°-90°	0.7	0.4
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°	78.5	40.9
0°-40°	130.7	68.1
0°-60°	185.4	96.6
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	148	142	101	60	47	14
15°	196	154	93	10	10	55
25°	238	190	62	9	9	109
35°	230	176	12	8	9	144
45°	199	127	5	8	10	143
55°	10	3	4	7	9	30
65°	2	2	3	5	7	1
75°	1	1	2	3	4	1
85°	0	0	1	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°	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1
2.5°	134.9	135.7	135.7	134.6	135.1	133.3	132.0	130.1	129.6	127.2	124.2
5°	147.9	147.5	147.5	146.6	147.1	146.4	145.7	145.3	144.0	142.3	140.5
7.5°	148.1	148.6	148.8	148.6	149.5	148.8	148.8	148.8	147.9	147.1	145.3
10°	151.6	151.0	150.3	148.8	147.9	147.3	147.3	147.5	147.9	147.5	146.4
12.5°	176.7	174.3	173.2	169.5	166.7	161.9	156.4	152.3	148.6	147.3	146.4
15°	195.9	195.4	193.2	189.8	186.3	180.6	174.3	168.0	161.2	154.2	149.2
17.5°	207.2	206.3	204.1	200.4	196.3	191.1	186.1	181.3	174.7	166.9	158.8
20°	217.6	215.7	212.8	208.5	204.4	199.3	193.9	189.3	183.9	177.8	168.4
22.5°	227.0	225.3	220.7	214.8	210.7	205.9	201.1	196.7	191.7	184.7	176.2
25°	237.7	233.8	226.4	218.7	213.7	209.8	206.3	202.8	197.6	190.0	180.0
27.5°	242.9	237.5	229.4	221.8	217.0	212.8	209.1	205.7	199.8	190.4	178.9
30°	239.2	236.2	230.5	224.6	220.7	216.8	212.4	207.2	197.8	186.9	176.2
32.5°	234.9	233.3	230.7	227.2	224.8	220.9	214.8	206.3	193.2	182.6	171.0
35°	230.1	229.4	228.5	227.0	225.5	221.8	214.2	201.7	188.7	176.5	165.4
37.5°	225.0	224.4	225.0	224.8	223.5	218.7	207.2	195.6	182.1	169.7	148.1
40°	218.9	218.5	219.6	220.7	219.2	212.8	200.4	186.5	174.5	150.1	142.7
42.5°	211.8	211.5	213.5	214.4	212.2	202.8	188.2	178.0	152.7	144.9	127.4
45°	198.9	199.3	200.2	201.3	200.0	189.8	176.5	157.7	146.6	127.2	72.5
47.5°	155.8	156.2	160.6	169.7	176.0	172.5	161.2	147.3	131.2	72.8	22.9
50°	134.4	134.0	134.2	136.4	141.4	146.2	142.7	135.1	78.2	21.4	2.8
52.5°	59.0	65.6	72.5	92.2	104.8	118.1	120.7	84.5	25.5	2.8	2.8
55°	9.6	10.0	12.6	18.5	33.3	50.3	61.0	28.3	2.6	2.6	2.6
57.5°	2.0	2.0	2.0	2.2	3.3	7.0	8.1	2.4	2.4	2.4	2.6
60°	1.7	1.7	1.7	1.7	2.0	2.0	2.0	2.2	2.2	2.4	2.4
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.0	2.2	2.2	2.4
65°	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	2.0	2.0	2.2
67.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.7	1.7	1.7	2.0
70°	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5	1.5	1.5
72.5°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.3	1.3	1.3
75°	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
82.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1
2.5°	122.2	119.2	115.0	101.5	89.1	77.8	72.1	71.5
5°	137.7	134.9	127.9	101.1	77.3	60.3	50.1	47.3
7.5°	143.6	141.2	135.1	100.2	66.2	43.4	31.8	27.5
10°	145.1	143.6	138.3	98.7	54.7	28.5	15.0	11.5
12.5°	145.7	144.7	139.6	96.3	43.1	14.8	10.2	10.2
15°	146.8	145.7	141.0	93.2	31.8	10.0	9.8	9.8
17.5°	151.6	148.1	142.7	88.7	20.9	9.6	9.6	9.6
20°	159.5	151.8	143.6	82.6	13.1	9.4	9.4	9.6
22.5°	166.0	155.8	143.4	73.4	9.6	8.9	9.2	9.4
25°	168.8	157.5	141.4	62.5	8.3	8.7	9.2	9.2
27.5°	168.4	158.2	139.6	50.1	7.8	8.5	8.9	9.4
30°	166.0	156.4	135.7	37.0	7.4	8.3	8.9	9.4
32.5°	161.9	149.7	127.9	24.0	7.2	8.3	8.9	9.4
35°	148.4	138.8	116.6	11.5	7.0	8.1	9.2	9.4
37.5°	140.5	127.2	88.9	5.7	6.8	8.1	9.2	9.4
40°	127.9	95.0	40.1	5.2	6.8	8.1	9.2	9.6
42.5°	80.4	39.0	6.5	5.0	6.5	8.1	9.2	9.6
45°	29.4	5.2	3.5	5.0	6.5	7.8	9.2	9.6
47.5°	3.1	3.1	3.3	4.8	6.3	7.8	9.2	9.6
50°	2.8	3.1	3.3	4.6	6.1	7.8	8.9	9.6
52.5°	2.8	3.1	3.3	4.6	5.9	7.6	8.9	9.6
55°	2.8	3.1	3.1	4.4	5.7	7.4	8.7	9.2
57.5°	2.6	2.8	3.1	4.1	5.4	7.0	8.5	8.9
60°	2.6	2.8	3.1	3.7	5.2	6.5	8.1	8.3
62.5°	2.4	2.6	2.8	3.5	4.8	6.1	7.4	7.8
65°	2.4	2.4	2.6	3.1	4.4	5.4	6.8	7.2
67.5°	2.0	2.2	2.2	2.6	3.7	4.8	6.1	6.5
70°	1.7	1.7	2.0	2.4	3.3	4.1	5.2	5.7
72.5°	1.5	1.5	1.5	2.0	2.8	3.7	4.6	5.0
75°	1.3	1.3	1.3	1.5	2.4	3.1	3.9	4.1
77.5°	1.1	1.1	1.1	1.3	2.0	2.6	3.1	3.5
80°	0.9	0.9	0.9	1.1	1.5	2.0	2.4	2.6
82.5°	0.7	0.7	0.7	0.9	1.1	1.3	1.7	1.7
85°	0.4	0.4	0.4	0.7	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)