

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: P1315893

Luminaire Tested: P3SQAS02R709827DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709827DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

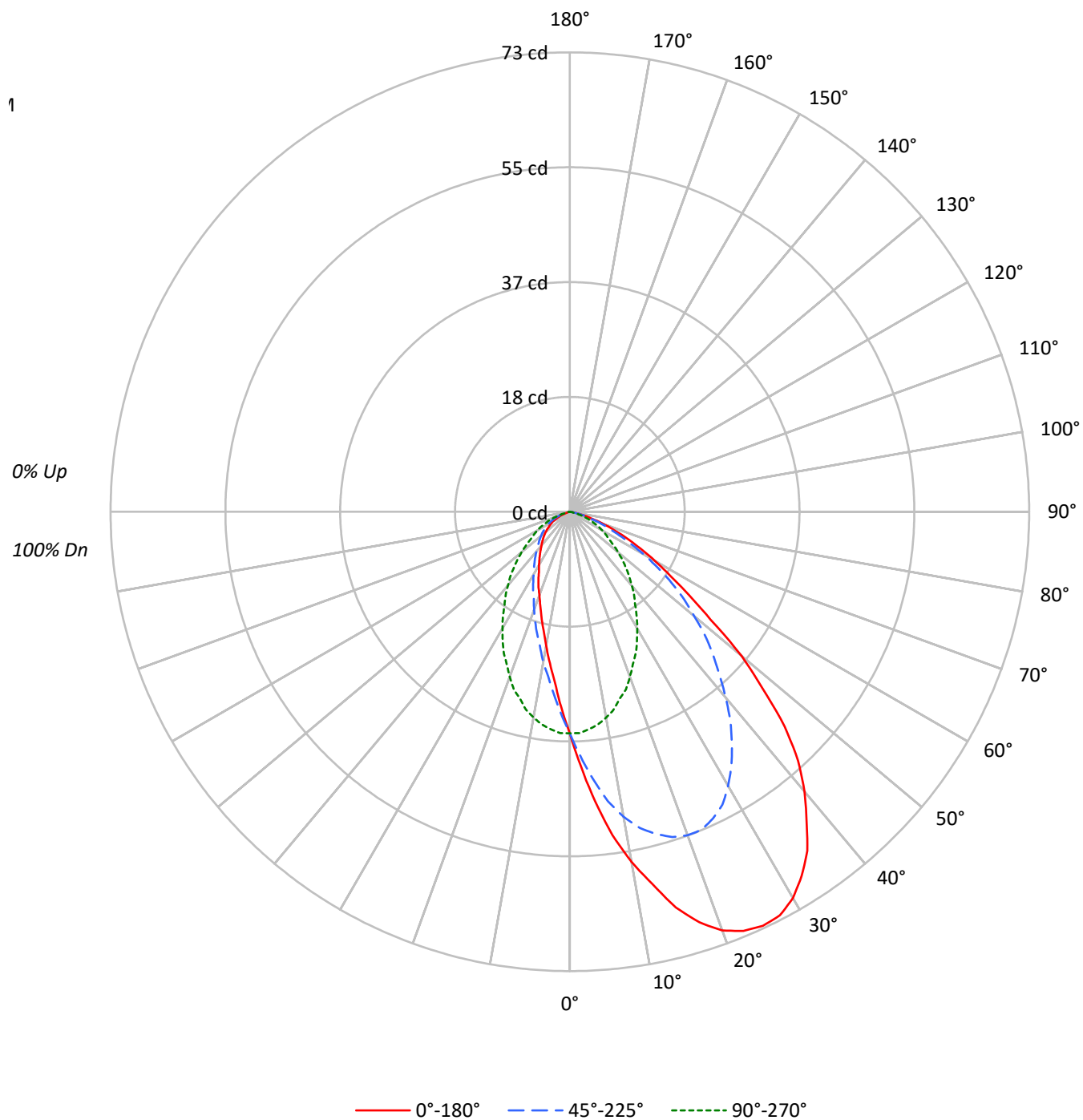
Lumens per Lamp: N/A
Luminaire Lumens: 79.0 lumens
Efficiency: N/A
Efficacy: 21.9 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6062	6062	6062	6062	6062
5°	7987	7382	5999	5031	4702
10°	9881	8604	5806	4250	3777
15°	11607	9450	5474	3584	3102
20°	12976	10025	5113	3042	2584
25°	13796	10223	4713	2622	2242
30°	14100	10003	4256	2287	1949
35°	13834	9440	3805	2060	1745
40°	13040	8656	3440	1866	1574
45°	11764	7843	3069	1705	1461
50°	9538	6913	2679	1608	1340
55°	6936	5945	2282	1501	1201
60°	5373	4684	2067	1378	1102
65°	4075	3382	1712	1223	815
70°	2820	2417	1259	906	504
75°	1664	1464	665	466	133
80°	298	496	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11764 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	4.4
10°-20°	10.3	13.0
20°-30°	15.5	19.6
30°-40°	17.2	21.8
40°-50°	15.2	19.3
50°-60°	10.4	13.1
60°-70°	5.4	6.9
70°-80°	1.5	1.9
80°-90°	0.0	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°	29.2	36.9
0°-40°	46.4	58.7
0°-60°	72.0	91.1
0°-90°	79.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	79.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	46	43	35	29	27	5
15°	65	53	31	20	17	18
25°	73	54	25	14	12	33
35°	66	45	18	10	8	41
45°	48	32	13	7	6	37
55°	23	20	8	5	4	21
65°	10	8	4	3	2	10
75°	2	2	1	1	0	3
85°	0	0	0	0	0	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°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	40.5	40.4	40.2	40.2	40.0	39.9	39.5	39.5	39.2	38.9	38.5
5°	46.2	46.2	46.2	45.7	45.7	45.0	44.7	44.0	43.4	42.7	41.9
7.5°	51.8	51.8	51.3	51.2	50.7	50.0	49.5	48.5	47.3	46.4	45.0
10°	56.5	56.5	56.0	55.7	54.7	54.0	53.0	51.8	50.7	49.2	47.5
12.5°	60.6	60.8	60.1	59.5	58.5	57.5	56.2	54.7	53.2	51.5	49.3
15°	65.1	65.0	64.1	63.3	62.1	60.6	59.0	57.0	55.0	53.0	50.7
17.5°	68.4	68.3	67.5	66.5	65.0	63.1	61.3	59.0	56.7	54.2	51.3
20°	70.8	70.6	69.8	68.4	67.0	65.0	62.8	60.1	57.6	54.7	51.5
22.5°	72.1	71.9	70.9	69.8	67.9	65.8	63.5	60.6	57.8	54.7	51.2
25°	72.6	72.3	71.3	69.9	68.1	65.8	63.1	60.1	57.2	53.8	50.2
27.5°	72.3	71.9	70.8	69.3	67.3	64.6	62.0	59.0	55.8	52.5	48.7
30°	70.9	70.4	69.4	67.9	65.8	63.1	60.3	57.2	53.8	50.3	46.5
32.5°	68.6	68.3	67.3	65.6	63.5	60.8	58.0	54.7	51.3	47.8	44.0
35°	65.8	65.1	64.1	62.6	60.5	57.8	55.0	51.5	48.3	44.9	41.2
37.5°	61.8	61.6	60.5	59.3	57.2	54.3	51.7	48.3	45.2	41.9	38.2
40°	58.0	57.6	56.7	55.3	53.2	50.7	47.8	44.9	41.7	38.5	35.2
42.5°	53.7	53.2	52.5	51.2	49.2	46.7	44.0	41.0	38.2	35.2	32.2
45°	48.3	48.2	47.3	46.7	44.9	42.7	40.0	37.4	34.6	32.2	29.9
47.5°	41.5	41.4	41.2	40.7	39.7	38.2	36.2	33.7	31.6	29.2	26.1
50°	35.6	35.4	35.1	34.9	34.1	33.2	31.7	30.2	28.4	25.8	23.3
52.5°	28.2	28.4	28.9	29.1	28.9	28.2	27.6	27.1	24.6	22.9	20.6
55°	23.1	23.1	22.9	23.1	23.3	23.6	23.6	22.9	21.3	19.8	17.8
57.5°	18.9	18.9	18.9	18.9	18.9	19.1	19.1	18.9	18.1	16.6	14.8
60°	15.6	15.5	15.5	15.6	15.5	15.5	15.6	15.6	14.8	13.6	12.0
62.5°	12.6	12.6	12.6	12.5	12.5	12.6	12.6	12.5	11.8	10.6	9.5
65°	10.0	10.0	10.0	10.0	10.0	10.1	10.0	9.8	9.1	8.3	7.5
67.5°	7.6	7.6	7.8	7.6	7.8	7.8	7.8	7.5	7.0	6.3	5.8
70°	5.6	5.6	5.6	5.8	6.0	6.0	5.8	5.5	5.2	4.8	4.3
72.5°	3.8	4.0	4.0	4.0	4.2	4.2	4.0	3.8	3.7	3.3	3.2
75°	2.5	2.3	2.5	2.5	2.7	2.7	2.5	2.5	2.3	2.2	2.0
77.5°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
80°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	38.2	37.7	37.0	35.2	33.6	32.1	31.2	31.1
5°	40.9	40.2	38.5	34.7	31.6	29.1	27.6	27.2
7.5°	43.7	42.4	40.0	34.1	29.6	26.4	24.8	24.3
10°	45.9	44.2	41.0	33.2	27.6	24.3	22.3	21.6
12.5°	47.3	45.4	41.9	32.2	25.9	21.9	19.9	19.3
15°	48.2	46.0	42.0	30.7	23.9	20.1	17.9	17.4
17.5°	48.5	46.0	41.7	29.6	22.1	18.3	16.3	15.6
20°	48.3	45.4	40.9	27.9	20.4	16.6	14.6	14.1
22.5°	47.7	44.4	39.5	26.2	18.8	15.0	13.3	13.0
25°	46.7	43.0	38.0	24.8	17.3	13.8	12.1	11.8
27.5°	45.0	41.4	36.1	23.1	15.9	12.6	11.1	10.6
30°	42.9	39.4	34.1	21.4	14.6	11.5	10.1	9.8
32.5°	40.5	37.0	32.1	19.8	13.5	10.6	9.3	9.0
35°	37.9	34.6	29.6	18.1	12.3	9.8	8.5	8.3
37.5°	35.2	31.9	27.4	16.8	11.3	9.0	7.8	7.6
40°	32.2	29.6	26.2	15.3	10.5	8.3	7.3	7.0
42.5°	30.4	26.7	22.6	14.0	9.6	7.6	6.6	6.5
45°	26.4	23.8	20.4	12.6	8.8	7.0	6.1	6.0
47.5°	23.8	21.4	18.3	11.3	8.1	6.5	5.6	5.5
50°	21.1	18.9	15.9	10.0	7.5	6.0	5.2	5.0
52.5°	18.4	16.3	13.6	8.8	6.6	5.5	4.7	4.5
55°	15.8	13.8	11.3	7.6	6.0	5.0	4.3	4.0
57.5°	13.0	11.3	9.6	6.8	5.3	4.5	3.8	3.5
60°	10.5	9.5	8.1	6.0	4.7	4.0	3.3	3.2
62.5°	8.5	7.6	6.8	5.2	4.2	3.5	3.0	2.5
65°	6.8	6.3	5.6	4.2	3.5	3.0	2.5	2.0
67.5°	5.3	5.0	4.5	3.5	2.8	2.5	1.8	1.5
70°	4.2	3.8	3.5	2.5	2.2	1.8	1.3	1.0
72.5°	3.0	2.7	2.5	1.8	1.5	1.3	0.8	0.5
75°	1.8	1.8	1.5	1.0	0.8	0.7	0.3	0.2
77.5°	1.0	1.0	0.8	0.5	0.5	0.2	0.0	0.0
80°	0.5	0.3	0.3	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)