

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: P1315890

Luminaire Tested: P3SQAS02R709827DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709827DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

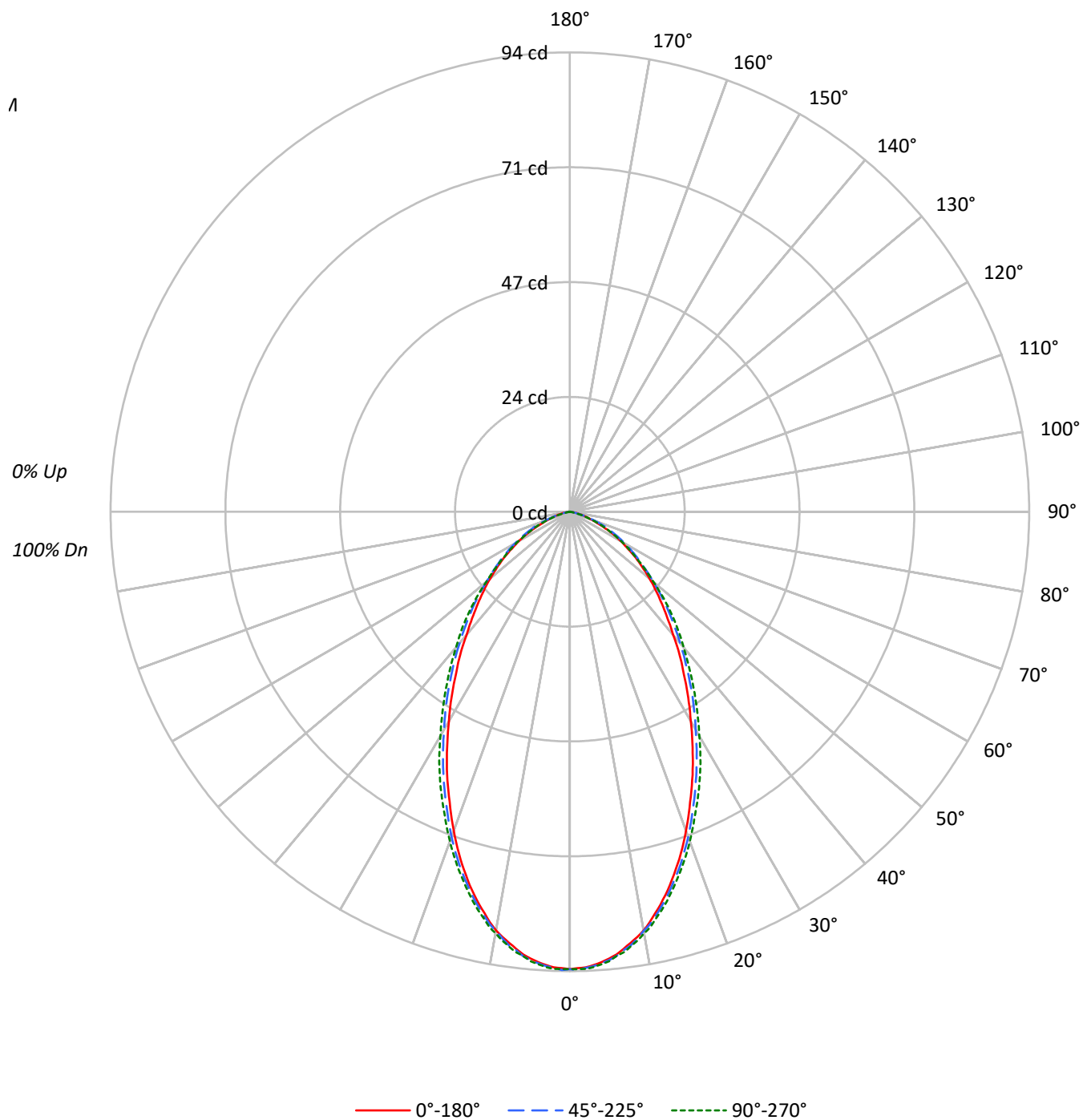
Lumens per Lamp: N/A
Luminaire Lumens: 134.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	68	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16120	16120	16120
5°	15870	15922	15957
10°	15215	15232	15319
15°	14103	14228	14353
20°	12738	12976	13159
25°	11288	11592	11877
30°	9844	10242	10540
35°	8557	9020	9293
40°	7397	7891	8139
45°	6479	6917	7136
50°	5707	5975	5975
55°	4954	5195	5044
60°	4168	4478	4237
65°	3260	3708	3382
70°	2367	2769	2367
75°	1797	1664	1331
80°	1190	793	298
85°	395	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	6.4
10°-20°	22.3	16.6
20°-30°	28.0	20.9
30°-40°	26.7	19.9
40°-50°	21.7	16.2
50°-60°	15.2	11.3
60°-70°	8.6	6.4
70°-80°	2.7	2.0
80°-90°	0.2	0.2
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°	58.9	43.9
0°-40°	85.6	63.8
0°-60°	122.5	91.4
0°-90°	134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	94	94	94	94	94	
5°	92	92	92	92	92	9
15°	79	79	80	80	80	22
25°	59	60	61	62	62	27
35°	41	41	43	44	44	26
45°	27	27	28	29	29	21
55°	16	17	17	17	17	15
65°	8	8	9	9	8	8
75°	3	3	2	2	2	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	93.6	93.6	93.6	93.6	93.6
1°	93.4	93.6	93.8	93.4	93.6
2°	93.3	93.4	93.4	93.3	93.6
3°	92.9	93.1	93.1	92.9	93.3
4°	92.4	92.6	92.6	92.4	92.8
5°	91.8	91.9	92.1	91.9	92.3
6°	91.1	91.3	91.4	91.3	91.4
7°	90.1	90.4	90.4	90.4	90.8
8°	89.1	89.4	89.6	89.4	89.8
9°	88.1	88.3	88.4	88.4	88.8
10°	87.0	87.1	87.1	87.3	87.6
11°	85.6	85.6	86.0	86.0	86.5
12°	84.0	84.1	84.5	84.6	85.0
13°	82.5	82.6	83.0	83.1	83.6
14°	80.8	81.1	81.5	81.6	82.1
15°	79.1	79.3	79.8	80.0	80.5
17.5°	74.5	74.6	75.5	75.8	76.3
20°	69.5	70.0	70.8	71.3	71.8
22.5°	64.3	64.8	65.8	66.7	67.0
25°	59.4	60.0	61.0	62.0	62.5
27.5°	54.4	55.0	56.2	57.2	57.9
30°	49.5	50.2	51.5	52.4	53.0
32.5°	45.1	45.7	47.2	48.0	48.5
35°	40.7	41.4	42.9	43.7	44.2
37.5°	36.9	37.6	38.9	39.7	40.1
40°	32.9	33.8	35.1	35.9	36.2
42.5°	29.6	30.3	31.6	32.3	32.8
45°	26.6	27.3	28.4	28.9	29.3
47.5°	23.9	24.3	25.3	25.4	25.8
50°	21.3	21.6	22.3	22.4	22.3
52.5°	18.8	19.1	19.6	19.5	19.5
55°	16.5	16.6	17.3	17.0	16.8
57.5°	14.1	14.5	15.1	14.6	14.5
60°	12.1	12.5	13.0	12.6	12.3
62.5°	10.1	10.3	11.1	10.5	10.1
65°	8.0	8.5	9.1	8.6	8.3
67.5°	6.0	6.8	7.5	6.8	6.5
70°	4.7	5.0	5.5	5.2	4.7
72.5°	3.5	3.7	3.8	3.5	3.2
75°	2.7	2.7	2.5	2.2	2.0
77.5°	1.8	1.8	1.5	1.0	1.0
80°	1.2	1.2	0.8	0.3	0.3
82.5°	0.5	0.5	0.3	0.2	0.2
85°	0.2	0.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)