

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: P1311956

Luminaire Tested: P3SQAS02R309727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

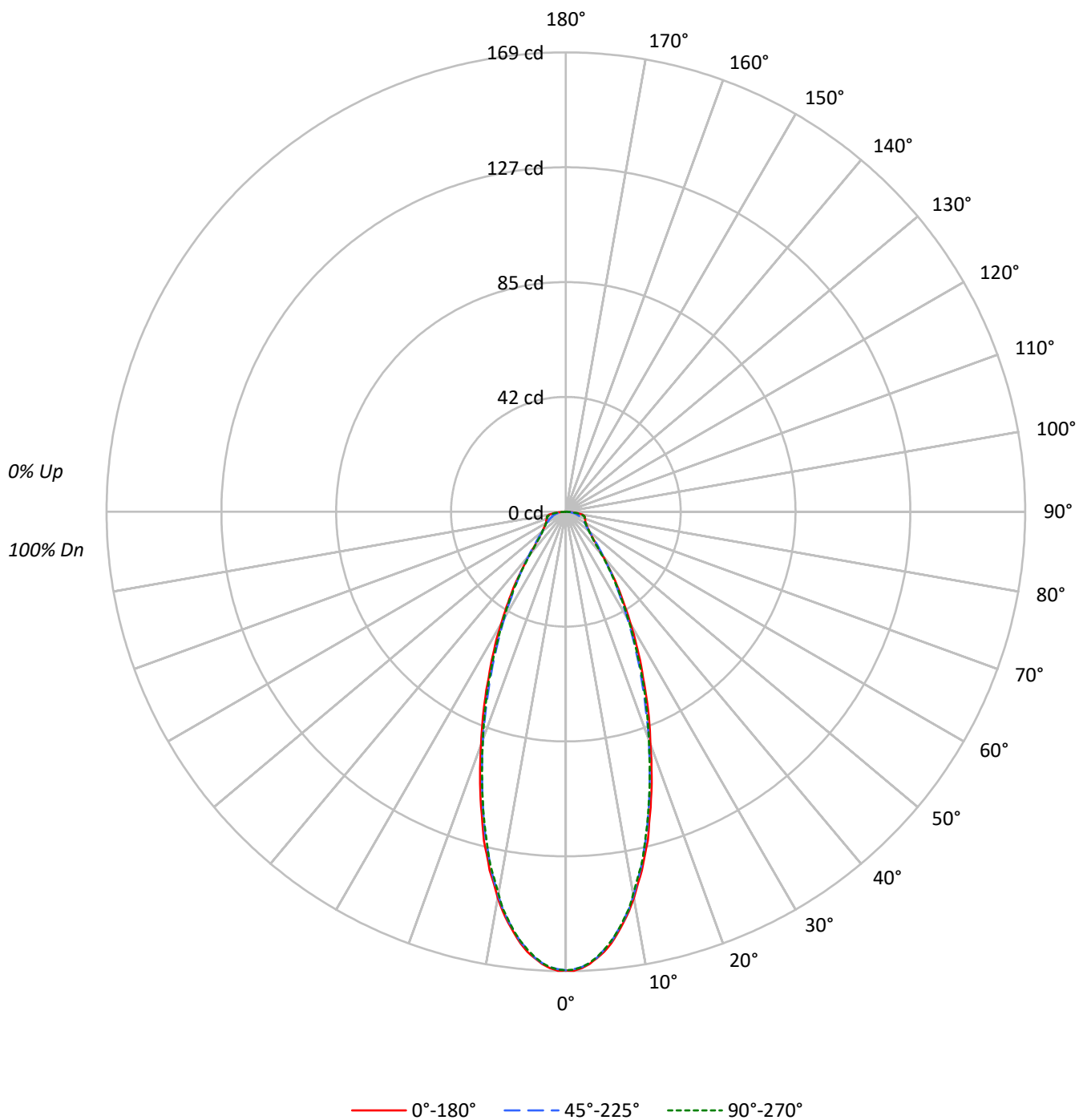
Lumens per Lamp: N/A
Luminaire Lumens: 133.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29054	29054	29054
5°	28093	27955	27955
10°	25218	25078	24973
15°	21128	20807	20772
20°	16696	16348	16348
25°	12770	12276	12504
30°	9486	8989	9188
35°	6854	6560	6602
40°	4721	4811	4586
45°	3532	3678	3385
50°	3054	3001	3001
55°	2883	2762	2822
60°	2962	2721	2893
65°	3219	2730	3138
70°	3777	2769	3676
75°	4858	2994	4724
80°	6050	3273	5653
85°	4742	3162	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	11.2
10°-20°	32.3	24.3
20°-30°	30.1	22.7
30°-40°	20.0	15.0
40°-50°	11.6	8.8
50°-60°	8.5	6.4
60°-70°	7.1	5.4
70°-80°	5.9	4.5
80°-90°	2.5	1.9
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°	77.3	58.2
0°-40°	97.3	73.2
0°-60°	117.5	88.3
0°-90°	133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	169	169	169	169	169	
5°	162	162	162	162	162	15
15°	118	117	117	116	116	33
25°	67	66	65	65	66	31
35°	33	32	31	31	31	20
45°	14	15	15	14	14	12
55°	10	9	9	9	9	9
65°	8	7	7	7	8	8
75°	7	6	4	6	7	7
85°	2	3	2	3	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	168.7	168.7	168.7	168.7	168.7
1°	168.9	168.7	168.3	168.5	168.5
2°	168.0	167.8	167.6	167.6	167.6
3°	166.6	166.4	166.2	166.2	166.2
4°	164.6	164.4	164.4	164.2	164.2
5°	162.5	162.3	161.7	161.7	161.7
6°	159.7	159.5	159.1	158.9	158.9
7°	156.2	156.2	155.6	155.4	155.6
8°	152.6	152.4	152.0	151.8	151.8
9°	148.7	148.1	148.1	147.5	147.9
10°	144.2	143.8	143.4	143.0	142.8
11°	139.1	138.9	138.3	137.9	137.7
12°	134.8	133.8	133.4	132.8	133.2
13°	129.3	128.7	127.7	127.5	127.7
14°	124.7	123.4	122.6	122.2	122.0
15°	118.5	117.3	116.7	116.5	116.5
17.5°	104.9	104.1	102.5	102.5	102.5
20°	91.1	90.2	89.2	89.0	89.2
22.5°	79.0	77.6	76.0	76.2	77.4
25°	67.2	66.0	64.6	64.8	65.8
27.5°	57.2	55.6	54.2	54.6	55.2
30°	47.7	46.6	45.2	45.6	46.2
32.5°	39.5	38.9	37.3	37.7	38.3
35°	32.6	32.0	31.2	31.4	31.4
37.5°	26.1	26.1	25.9	25.7	25.5
40°	21.0	21.4	21.4	20.8	20.4
42.5°	17.1	17.5	17.9	17.1	16.5
45°	14.5	14.7	15.1	14.3	13.9
47.5°	12.6	12.6	13.0	12.4	12.2
50°	11.4	11.4	11.2	11.0	11.2
52.5°	10.4	10.2	10.0	10.2	10.2
55°	9.6	9.4	9.2	9.4	9.4
57.5°	9.0	8.8	8.6	8.6	8.8
60°	8.6	8.1	7.9	8.1	8.4
62.5°	8.1	7.5	7.3	7.5	7.9
65°	7.9	7.1	6.7	7.1	7.7
67.5°	7.7	6.7	6.1	6.7	7.5
70°	7.5	6.3	5.5	6.3	7.3
72.5°	7.3	5.9	5.1	5.9	7.3
75°	7.3	5.5	4.5	5.5	7.1
77.5°	6.9	5.1	3.9	5.1	6.7
80°	6.1	4.7	3.3	4.5	5.7
82.5°	4.5	4.1	2.4	3.9	4.3
85°	2.4	2.9	1.6	2.6	2.2
87.5°	0.4	0.6	0.4	1.2	0.8



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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)