

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: P1312432

Luminaire Tested: P3SQAS13R259727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

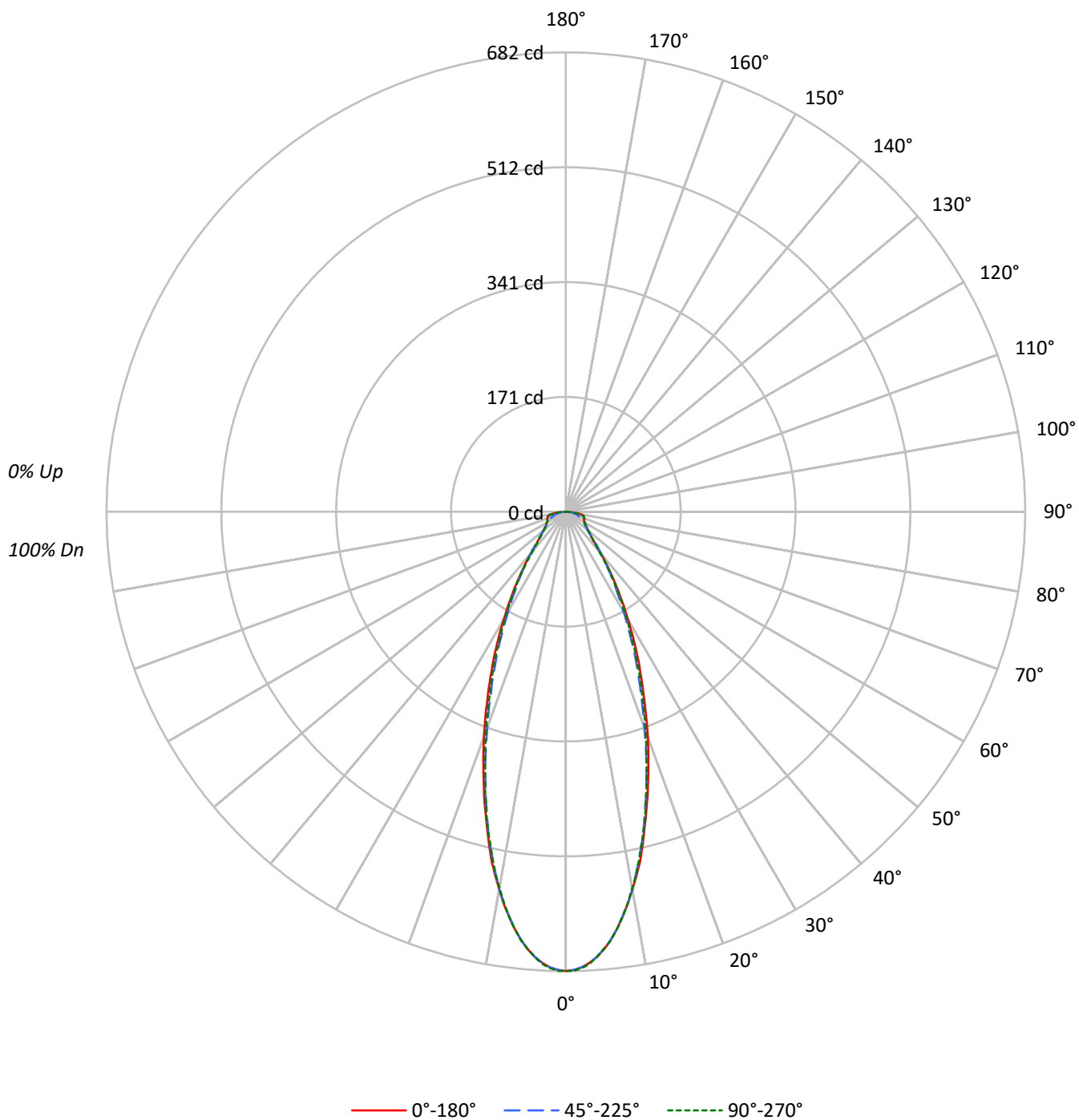
Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	117439	117439	117439
5°	112684	112545	112545
10°	99611	99471	99192
15°	82267	81108	81536
20°	65173	62479	63523
25°	49635	47013	48248
30°	36571	33986	35438
35°	26176	24977	25314
40°	17918	18300	17379
45°	13274	14078	13079
50°	11548	11548	11333
55°	10990	10509	10990
60°	11194	10368	11194
65°	12266	10595	12266
70°	14754	10675	14351
75°	18432	11379	18432
80°	23406	12100	21819
85°	19365	11263	19365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 23406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	11.6
10°-20°	126.4	24.6
20°-30°	115.9	22.5
30°-40°	76.4	14.8
40°-50°	44.5	8.6
50°-60°	32.5	6.3
60°-70°	27.6	5.4
70°-80°	22.8	4.4
80°-90°	9.4	1.8
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°	301.8	58.6
0°-40°	378.2	73.4
0°-60°	455.2	88.4
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	652	651	651	652	651	60
15°	461	460	455	456	457	128
25°	261	254	247	248	254	120
35°	124	122	119	119	120	79
45°	54	56	58	54	54	44
55°	37	37	35	36	37	33
65°	30	28	26	28	30	30
75°	28	21	17	21	28	29
85°	10	11	6	11	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.9	681.9	681.9	681.9	681.9
1°	680.3	680.3	680.3	680.3	681.9
2°	677.0	676.2	677.0	677.0	677.8
3°	670.5	670.5	670.5	670.5	672.1
4°	662.4	662.4	662.4	662.4	662.4
5°	651.8	651.0	651.0	651.8	651.0
6°	638.8	638.8	638.8	638.8	639.6
7°	624.1	623.3	623.3	622.5	624.1
8°	607.0	607.0	606.2	605.4	607.0
9°	589.1	589.9	588.3	587.5	587.5
10°	569.6	568.8	568.8	568.8	567.2
11°	550.1	547.6	546.8	546.8	548.4
12°	530.5	526.5	524.9	524.9	524.9
13°	506.9	505.3	502.9	501.3	502.1
14°	483.4	483.4	479.3	479.3	480.9
15°	461.4	459.8	454.9	456.5	457.3
17.5°	406.9	403.6	397.9	397.9	398.7
20°	355.6	349.9	340.9	345.0	346.6
22.5°	305.1	299.4	290.5	294.6	296.2
25°	261.2	253.9	247.4	248.2	253.9
27.5°	221.3	213.2	206.7	209.1	212.4
30°	183.9	179.0	170.9	175.0	178.2
32.5°	152.2	148.1	142.4	144.8	148.1
35°	124.5	122.1	118.8	118.8	120.4
37.5°	100.9	100.1	98.5	97.6	96.8
40°	79.7	81.4	81.4	79.7	77.3
42.5°	65.1	66.7	68.4	65.1	62.7
45°	54.5	56.1	57.8	54.5	53.7
47.5°	48.0	48.8	49.6	48.0	47.2
50°	43.1	43.1	43.1	42.3	42.3
52.5°	39.9	39.1	38.2	39.1	39.1
55°	36.6	36.6	35.0	35.8	36.6
57.5°	34.2	33.4	32.5	33.4	34.2
60°	32.5	30.9	30.1	30.9	32.5
62.5°	30.9	29.3	27.7	29.3	30.9
65°	30.1	27.7	26.0	27.7	30.1
67.5°	29.3	26.0	23.6	26.0	29.3
70°	29.3	24.4	21.2	24.4	28.5
72.5°	28.5	22.8	19.5	22.8	28.5
75°	27.7	21.2	17.1	21.2	27.7
77.5°	26.9	19.5	14.6	19.5	26.0
80°	23.6	17.9	12.2	17.9	22.0
82.5°	17.1	14.6	9.8	14.6	16.3
85°	9.8	10.6	5.7	10.6	9.8
87.5°	1.6	2.4	1.6	4.1	3.3



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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)