

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: P1312298

Luminaire Tested: P3SQAS09R359727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

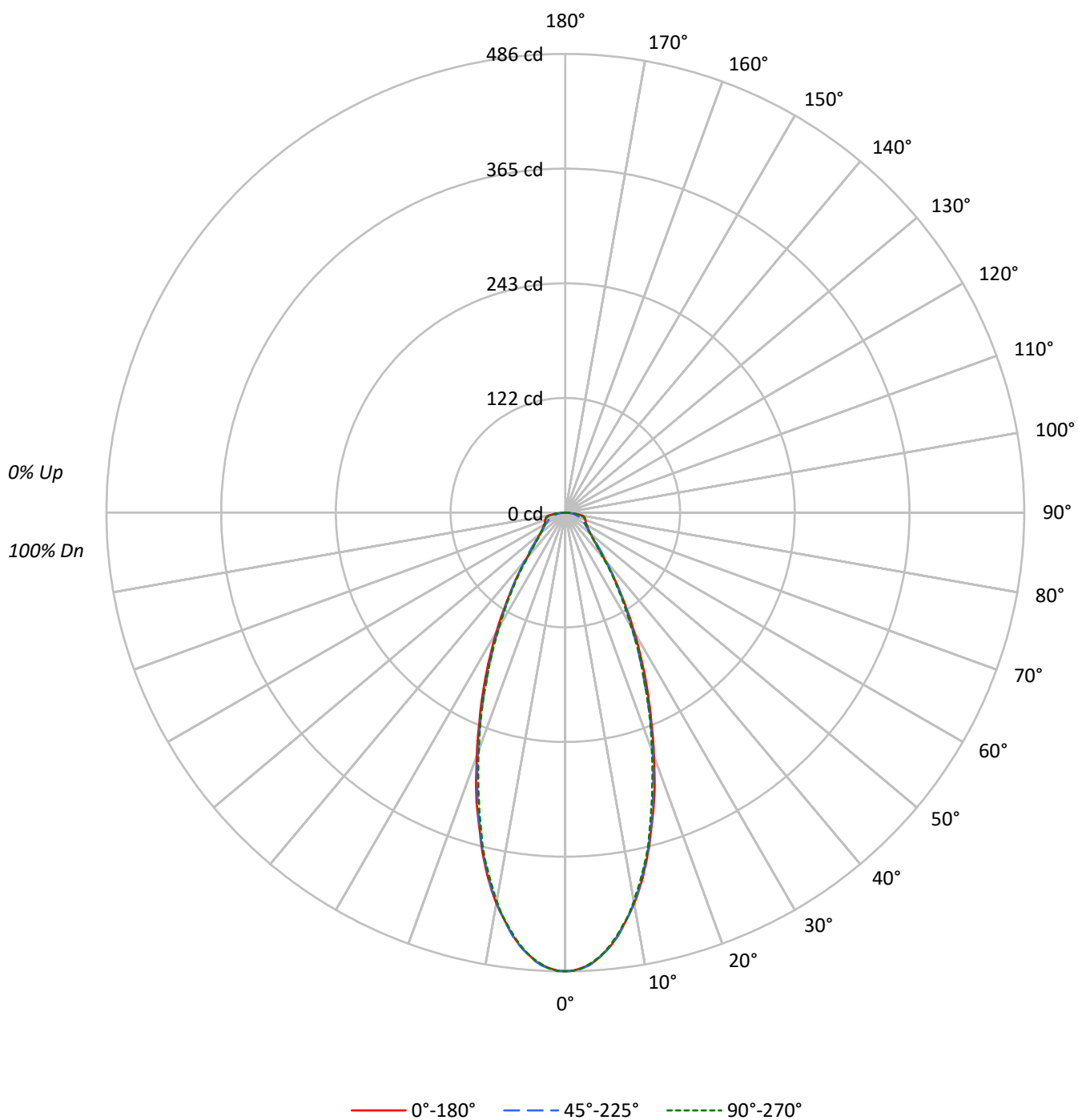
Lumens per Lamp: N/A
Luminaire Lumens: 402.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83683	83683	83683
5°	80925	81029	80925
10°	73519	73414	73100
15°	62404	62190	61638
20°	50236	49576	49118
25°	38841	37682	37682
30°	28955	27980	27742
35°	20835	20583	20078
40°	14591	14996	14029
45°	10887	11472	10570
50°	9351	9351	9190
55°	8828	8437	8648
60°	9059	8232	8646
65°	9740	8232	9495
70°	11380	8611	11078
75°	14240	8983	13841
80°	18249	9720	16365
85°	14425	9683	14425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	10.7
10°-20°	96.3	24.0
20°-30°	92.0	22.9
30°-40°	61.8	15.4
40°-50°	36.3	9.0
50°-60°	25.9	6.5
60°-70°	21.6	5.4
70°-80°	17.7	4.4
80°-90°	7.3	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°	231.4	57.6
0°-40°	293.2	72.9
0°-60°	355.4	88.4
0°-90°	402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	486	486	486	486	486	
5°	468	469	469	468	468	43
15°	350	351	349	346	346	97
25°	204	202	198	198	198	94
35°	99	99	98	96	96	63
45°	45	46	47	45	43	36
55°	29	29	28	28	29	27
65°	24	21	20	21	23	24
75°	21	16	14	16	21	22
85°	7	8	5	8	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	485.9	485.9	485.9	485.9	485.9
1°	485.3	485.9	485.9	485.3	485.3
2°	482.8	484.0	483.4	482.8	483.4
3°	479.8	481.0	480.4	479.8	479.1
4°	474.9	476.1	475.5	474.3	474.3
5°	468.1	469.4	468.7	468.1	468.1
6°	461.4	462.6	461.4	460.2	460.2
7°	452.2	454.1	452.8	451.6	451.0
8°	441.8	443.7	442.4	441.8	440.6
9°	431.4	432.6	430.8	430.8	430.8
10°	420.4	421.0	419.8	418.0	418.0
11°	408.2	407.5	406.9	405.7	404.5
12°	394.7	394.7	392.9	391.6	391.0
13°	380.6	380.0	378.8	377.6	377.6
14°	365.9	365.9	364.7	362.3	362.9
15°	350.0	350.6	348.8	346.4	345.7
17.5°	313.9	312.7	309.6	307.8	306.0
20°	274.1	273.5	270.5	268.6	268.0
22.5°	237.4	236.8	233.8	231.9	233.1
25°	204.4	201.9	198.3	198.3	198.3
27.5°	173.8	170.7	168.3	167.1	168.3
30°	145.6	143.2	140.7	140.1	139.5
32.5°	120.6	119.3	118.1	116.3	116.3
35°	99.1	99.1	97.9	96.1	95.5
37.5°	80.8	81.4	80.8	78.9	78.3
40°	64.9	66.1	66.7	64.9	62.4
42.5°	53.2	55.1	56.3	53.2	51.4
45°	44.7	45.9	47.1	44.7	43.4
47.5°	39.2	39.8	40.4	38.6	37.9
50°	34.9	34.9	34.9	34.3	34.3
52.5°	31.8	31.8	31.2	30.6	30.6
55°	29.4	28.8	28.1	28.1	28.8
57.5°	27.5	26.9	25.7	26.3	26.9
60°	26.3	25.1	23.9	24.5	25.1
62.5°	24.5	23.3	22.0	22.6	23.9
65°	23.9	21.4	20.2	21.4	23.3
67.5°	23.3	20.2	18.4	20.2	22.6
70°	22.6	19.0	17.1	19.0	22.0
72.5°	22.0	17.7	15.3	17.7	21.4
75°	21.4	16.5	13.5	16.5	20.8
77.5°	20.2	15.3	11.6	15.3	19.0
80°	18.4	14.1	9.8	13.5	16.5
82.5°	13.5	11.6	8.0	11.6	12.2
85°	7.3	8.0	4.9	8.0	7.3
87.5°	0.6	1.2	1.2	3.7	2.4



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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)