

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: P1312232

Luminaire Tested: P3SQAS09R159727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

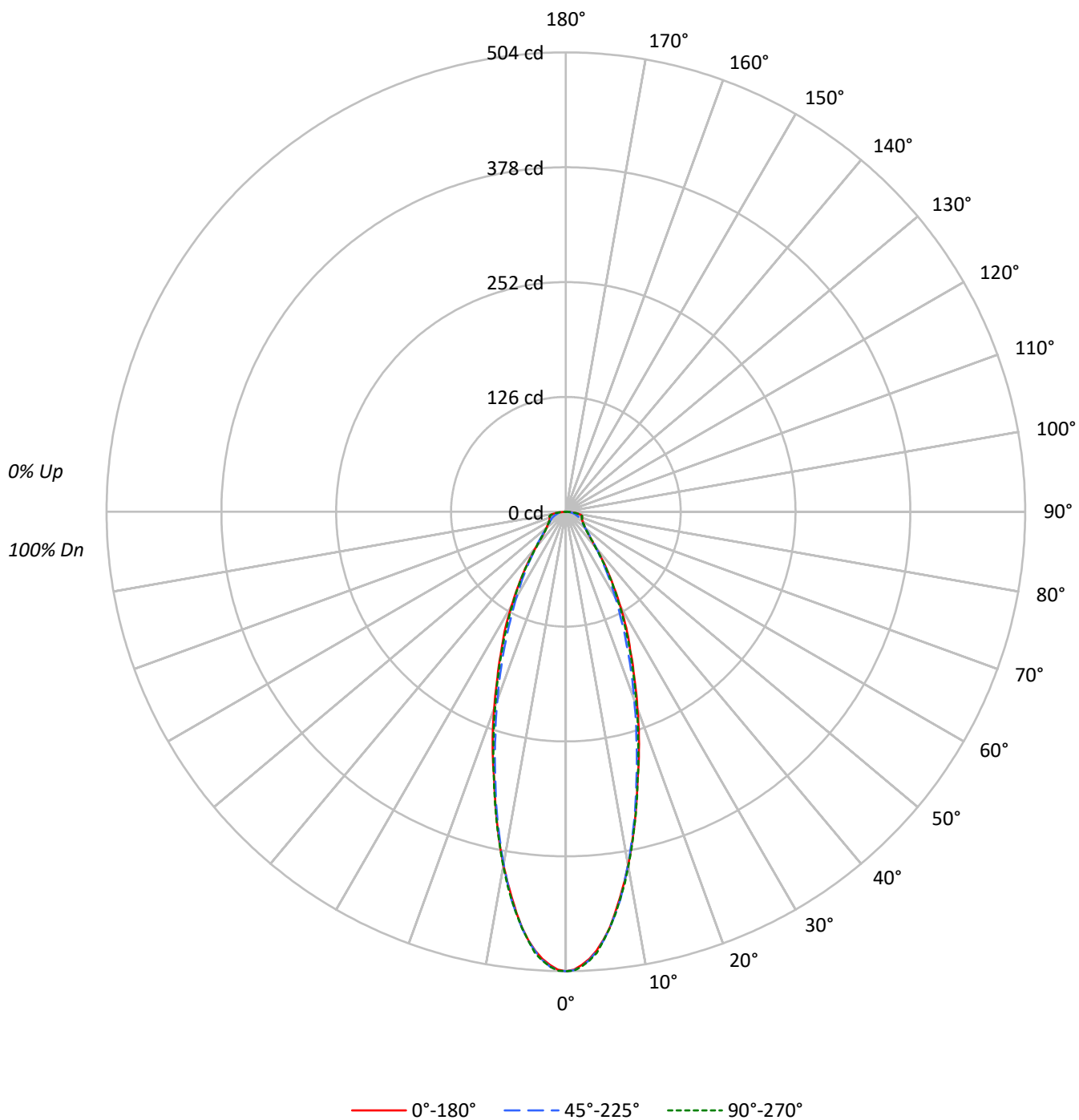
Lumens per Lamp: N/A
Luminaire Lumens: 338.0 lumens
Efficiency: N/A
Efficacy: 30.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86835	86835	86835
5°	81548	81651	81651
10°	68885	68675	69095
15°	54185	53418	54292
20°	42098	40192	41549
25°	31772	29568	31316
30°	23645	21557	23148
35°	16883	15705	16609
40°	11421	11578	11286
45°	8500	8963	8500
50°	7395	7395	7395
55°	7176	6816	7176
60°	7371	6751	7164
65°	7987	7009	7987
70°	9567	7100	9567
75°	12244	7320	12244
80°	15174	7934	14579
85°	12054	7311	13239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	12.6
10°-20°	84.1	24.9
20°-30°	74.3	22.0
30°-40°	48.8	14.4
40°-50°	28.5	8.4
50°-60°	21.0	6.2
60°-70°	17.9	5.3
70°-80°	14.8	4.4
80°-90°	6.1	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°	200.9	59.4
0°-40°	249.7	73.9
0°-60°	299.2	88.5
0°-90°	338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	504	504	504	504	504	
5°	472	472	472	473	472	42
15°	304	304	300	303	304	85
25°	167	162	156	160	165	77
35°	80	77	75	77	79	51
45°	35	36	37	36	35	28
55°	24	23	23	23	24	22
65°	20	18	17	18	20	20
75°	18	14	11	14	18	19
85°	6	7	4	6	7	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	504.2	504.2	504.2	504.2	504.2
1°	502.4	503.0	503.0	503.6	503.6
2°	497.5	498.7	499.3	499.3	499.3
3°	491.3	491.9	492.6	493.2	493.2
4°	482.8	483.4	483.4	484.6	485.2
5°	471.7	471.7	472.3	472.9	472.3
6°	458.9	458.9	459.5	459.5	459.5
7°	443.5	444.2	444.8	445.4	444.8
8°	427.0	427.6	429.5	429.5	428.8
9°	410.5	411.1	411.1	412.9	412.9
10°	393.9	393.9	392.7	393.9	395.1
12.5°	349.2	348.6	346.7	348.6	349.8
15°	303.9	303.9	299.6	303.3	304.5
17.5°	267.1	261.6	257.3	261.0	264.0
20°	229.7	224.2	219.3	223.0	226.7
22.5°	196.0	191.8	185.6	189.3	193.6
25°	167.2	161.7	155.6	159.9	164.8
27.5°	143.4	136.0	129.9	134.8	139.1
30°	118.9	113.9	108.4	112.1	116.4
32.5°	98.0	94.3	90.1	93.1	96.8
35°	80.3	77.2	74.7	76.6	79.0
37.5°	64.3	63.1	61.9	62.5	62.5
40°	50.8	51.5	51.5	51.5	50.2
42.5°	41.7	42.3	43.5	42.3	41.7
45°	34.9	35.5	36.8	35.5	34.9
47.5°	30.6	31.2	31.9	30.6	30.6
50°	27.6	27.6	27.6	27.6	27.6
52.5°	25.7	25.1	25.1	25.1	25.7
55°	23.9	23.3	22.7	23.3	23.9
57.5°	22.1	21.4	20.8	21.4	22.1
60°	21.4	20.2	19.6	20.2	20.8
62.5°	20.2	19.0	18.4	19.0	20.2
65°	19.6	17.8	17.2	17.8	19.6
67.5°	19.0	16.5	15.3	16.5	19.0
70°	19.0	15.3	14.1	15.9	19.0
72.5°	18.4	14.7	12.3	14.7	18.4
75°	18.4	13.5	11.0	14.1	18.4
77.5°	17.2	12.3	9.2	12.9	17.2
80°	15.3	11.0	8.0	11.6	14.7
82.5°	11.0	9.2	6.1	9.2	11.0
85°	6.1	6.7	3.7	6.1	6.7
87.5°	0.6	1.8	1.2	3.7	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)