

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: P1305711

Luminaire Tested: P3SQAS09R159024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305711
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: P3SQAS09R159024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

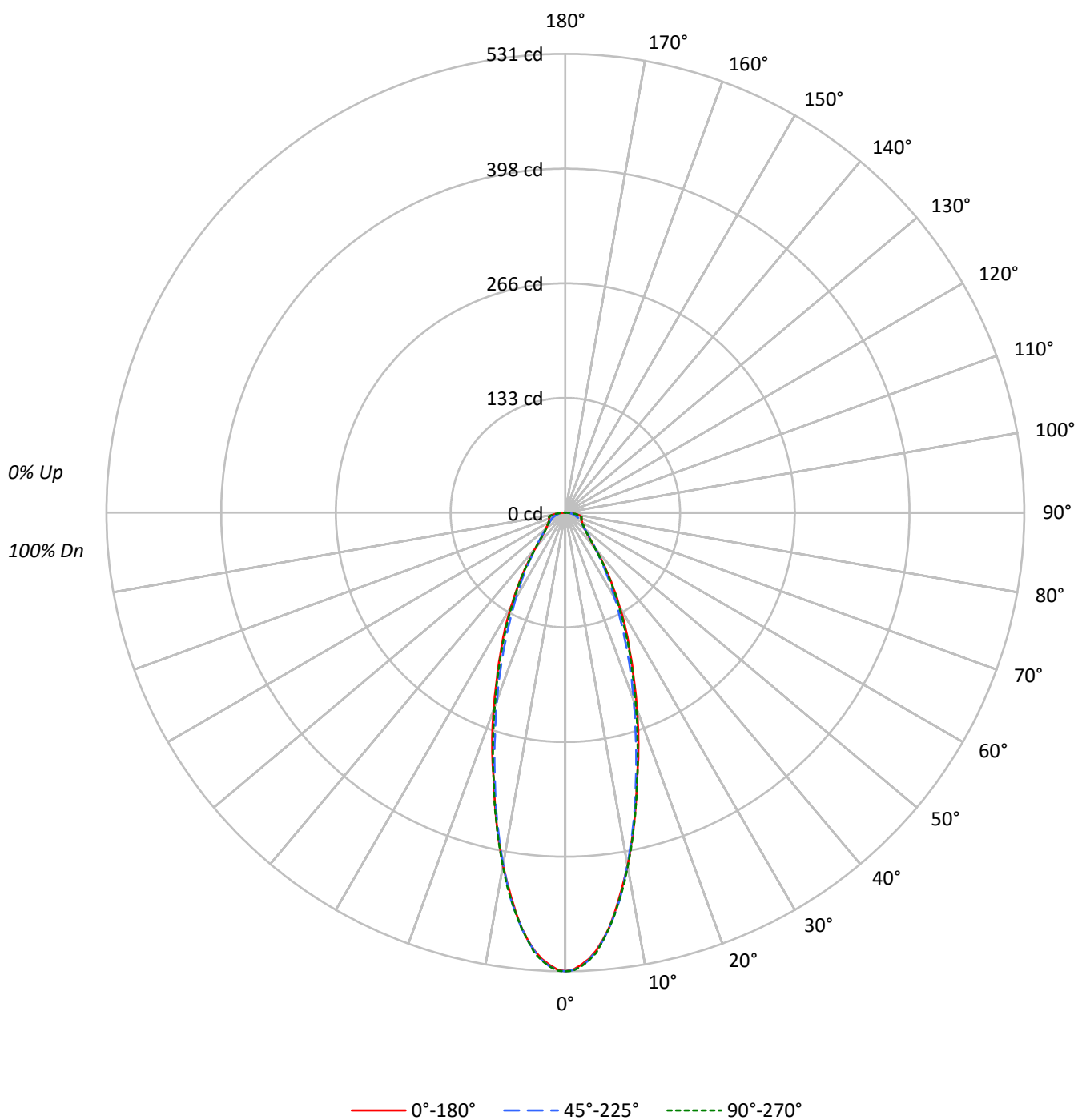
Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	91450	91450	91450
5°	85887	86008	86008
10°	72557	72330	72785
15°	57055	56253	57180
20°	44353	42337	43748
25°	33483	31145	32989
30°	24898	22710	24381
35°	17766	16546	17492
40°	12050	12185	11893
45°	8963	9426	8963
50°	7770	7770	7770
55°	7567	7176	7567
60°	7784	7096	7543
65°	8395	7376	8395
70°	10071	7452	10071
75°	12909	7719	12909
80°	15968	8331	15373
85°	12844	7707	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15968 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	12.6
10°-20°	88.5	24.9
20°-30°	78.3	22.0
30°-40°	51.4	14.4
40°-50°	30.0	8.4
50°-60°	22.1	6.2
60°-70°	18.8	5.3
70°-80°	15.6	4.4
80°-90°	6.5	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°	211.6	59.4
0°-40°	263.0	73.9
0°-60°	315.2	88.5
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	531	531	531	531	531	
5°	497	497	498	498	498	45
15°	320	320	316	319	321	89
25°	176	170	164	168	174	81
35°	84	81	79	81	83	53
45°	37	37	39	37	37	30
55°	25	24	24	24	25	23
65°	21	19	18	19	21	21
75°	19	14	12	15	19	20
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°	531.0	531.0	531.0	531.0	531.0
1°	529.1	529.8	529.8	530.4	530.4
2°	523.9	525.2	525.9	525.9	525.9
3°	517.5	518.1	518.8	519.4	519.4
4°	508.5	509.1	509.1	510.4	511.0
5°	496.8	496.8	497.5	498.1	497.5
6°	483.3	483.3	483.9	483.9	483.9
7°	467.2	467.8	468.5	469.1	468.5
8°	449.7	450.4	452.3	452.3	451.7
9°	432.3	433.0	433.0	434.9	434.9
10°	414.9	414.9	413.6	414.9	416.2
12.5°	367.8	367.1	365.2	367.1	368.4
15°	320.0	320.0	315.5	319.4	320.7
17.5°	281.3	275.5	271.0	274.9	278.1
20°	242.0	236.2	231.0	234.9	238.7
22.5°	206.5	202.0	195.5	199.4	203.9
25°	176.2	170.3	163.9	168.4	173.6
27.5°	151.0	143.2	136.8	142.0	146.5
30°	125.2	120.0	114.2	118.1	122.6
32.5°	103.2	99.4	94.9	98.1	102.0
35°	84.5	81.3	78.7	80.7	83.2
37.5°	67.8	66.5	65.2	65.8	65.8
40°	53.6	54.2	54.2	54.2	52.9
42.5°	43.9	44.5	45.8	44.5	43.9
45°	36.8	37.4	38.7	37.4	36.8
47.5°	32.3	32.9	33.6	32.3	32.3
50°	29.0	29.0	29.0	29.0	29.0
52.5°	27.1	26.5	26.5	26.5	27.1
55°	25.2	24.5	23.9	24.5	25.2
57.5°	23.2	22.6	21.9	22.6	23.2
60°	22.6	21.3	20.6	21.3	21.9
62.5°	21.3	20.0	19.4	20.0	21.3
65°	20.6	18.7	18.1	18.7	20.6
67.5°	20.0	17.4	16.1	17.4	20.0
70°	20.0	16.1	14.8	16.8	20.0
72.5°	19.4	15.5	12.9	15.5	19.4
75°	19.4	14.2	11.6	14.8	19.4
77.5°	18.1	12.9	9.7	13.6	18.1
80°	16.1	11.6	8.4	12.3	15.5
82.5°	11.6	9.7	6.5	9.7	11.6
85°	6.5	7.1	3.9	6.5	7.1
87.5°	0.6	1.9	1.3	3.9	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)