

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: P1311114

Luminaire Tested: P3SQAS09R159050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311114
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: P3SQAS09R159050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

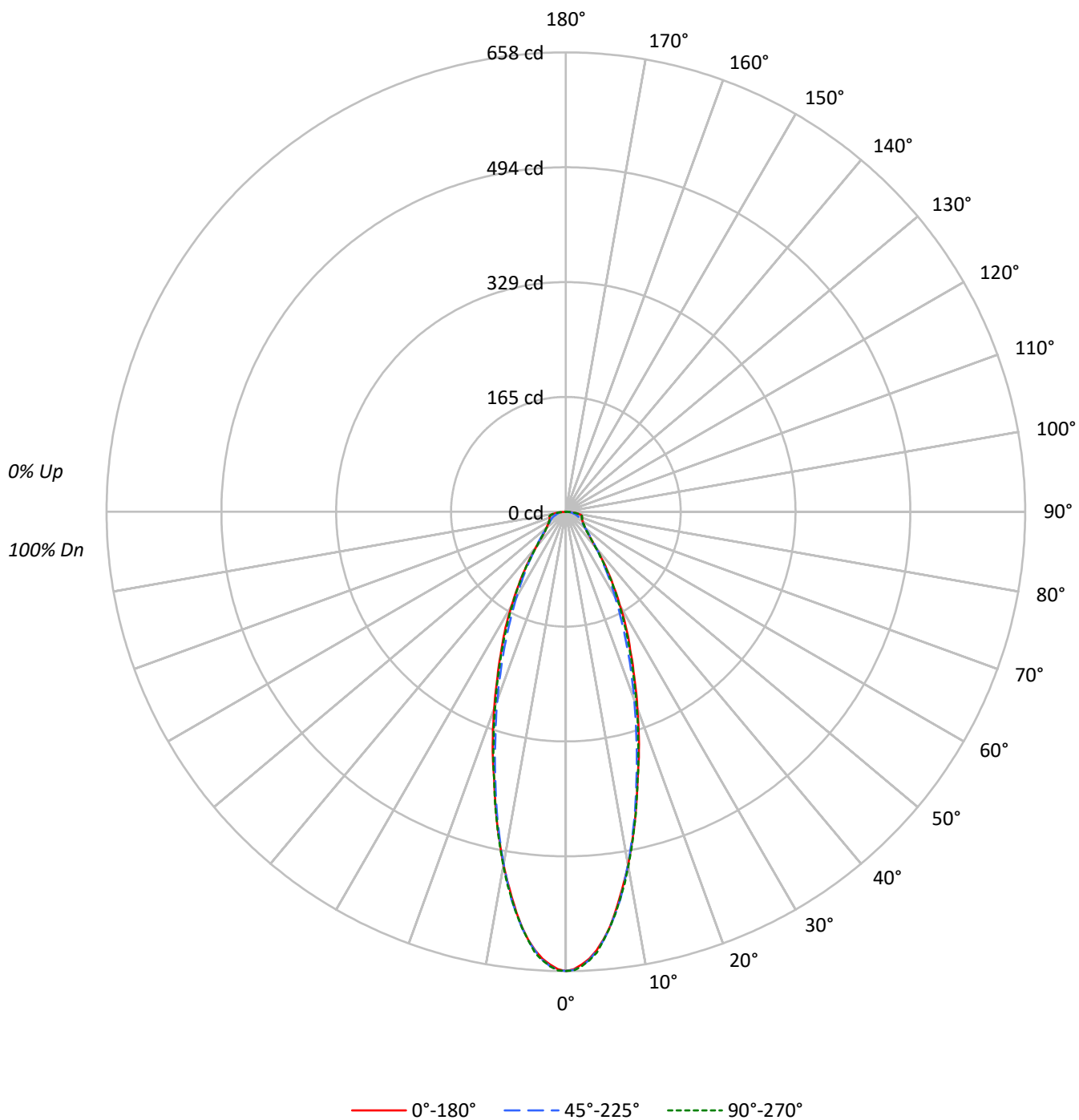
Lumens per Lamp: N/A
Luminaire Lumens: 441.1 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	113288	113288	113288
5°	106408	106546	106546
10°	89888	89608	90168
15°	70695	69697	70838
20°	54928	52453	54195
25°	41464	38575	40856
30°	30844	28139	30208
35°	22013	20499	21676
40°	14906	15085	14726
45°	11106	11691	11106
50°	9646	9646	9646
55°	9368	8888	9368
60°	9644	8818	9369
65°	10432	9128	10432
70°	12488	9265	12488
75°	15970	9582	15970
80°	19836	10315	19042
85°	15808	9485	17389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 19836 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	12.6
10°-20°	109.7	24.9
20°-30°	96.9	22.0
30°-40°	63.7	14.4
40°-50°	37.2	8.4
50°-60°	27.4	6.2
60°-70°	23.4	5.3
70°-80°	19.3	4.4
80°-90°	8.0	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°	262.1	59.4
0°-40°	325.8	73.9
0°-60°	390.4	88.5
0°-90°	441.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	616	616	616	617	616	55
15°	396	396	391	396	397	111
25°	218	211	203	209	215	101
35°	105	101	98	100	103	66
45°	46	46	48	46	46	37
55°	31	30	30	30	31	28
65°	26	23	22	23	26	26
75°	24	18	14	18	24	25
85°	8	9	5	8	9	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	657.8	657.8	657.8	657.8	657.8
1°	655.4	656.2	656.2	657.0	657.0
2°	649.0	650.6	651.4	651.4	651.4
3°	641.1	641.9	642.7	643.5	643.5
4°	629.9	630.7	630.7	632.3	633.1
5°	615.5	615.5	616.3	617.1	616.3
6°	598.7	598.7	599.5	599.5	599.5
7°	578.7	579.5	580.3	581.1	580.3
8°	557.1	557.9	560.3	560.3	559.5
9°	535.5	536.3	536.3	538.7	538.7
10°	514.0	514.0	512.4	514.0	515.6
12.5°	455.6	454.8	452.4	454.8	456.4
15°	396.5	396.5	390.9	395.7	397.3
17.5°	348.5	341.3	335.7	340.5	344.5
20°	299.7	292.6	286.2	291.0	295.7
22.5°	255.8	250.2	242.2	247.0	252.6
25°	218.2	211.0	203.0	208.6	215.0
27.5°	187.0	177.4	169.5	175.8	181.4
30°	155.1	148.7	141.5	146.3	151.9
32.5°	127.9	123.1	117.5	121.5	126.3
35°	104.7	100.7	97.5	99.9	103.1
37.5°	83.9	82.3	80.7	81.5	81.5
40°	66.3	67.1	67.1	67.1	65.5
42.5°	54.4	55.2	56.8	55.2	54.4
45°	45.6	46.4	48.0	46.4	45.6
47.5°	40.0	40.8	41.6	40.0	40.0
50°	36.0	36.0	36.0	36.0	36.0
52.5°	33.6	32.8	32.8	32.8	33.6
55°	31.2	30.4	29.6	30.4	31.2
57.5°	28.8	28.0	27.2	28.0	28.8
60°	28.0	26.4	25.6	26.4	27.2
62.5°	26.4	24.8	24.0	24.8	26.4
65°	25.6	23.2	22.4	23.2	25.6
67.5°	24.8	21.6	20.0	21.6	24.8
70°	24.8	20.0	18.4	20.8	24.8
72.5°	24.0	19.2	16.0	19.2	24.0
75°	24.0	17.6	14.4	18.4	24.0
77.5°	22.4	16.0	12.0	16.8	22.4
80°	20.0	14.4	10.4	15.2	19.2
82.5°	14.4	12.0	8.0	12.0	14.4
85°	8.0	8.8	4.8	8.0	8.8
87.5°	0.8	2.4	1.6	4.8	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)