

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: P1269520

Luminaire Tested: P3A09R509740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R509740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

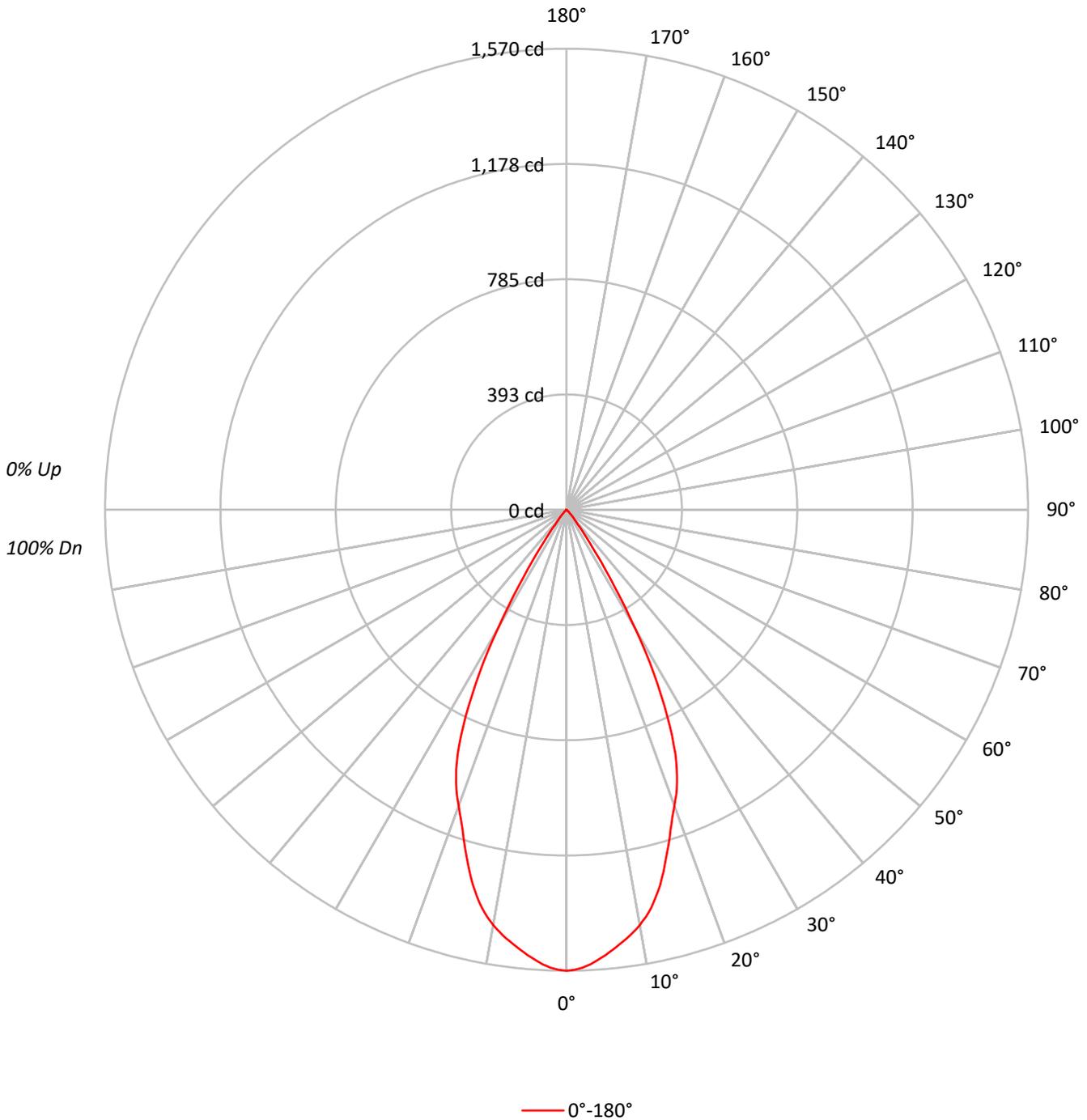
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 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				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90				90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80				80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68				68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65				65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59				59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	344227
5°	335064
10°	319745
15°	289468
20°	250435
25°	205415
30°	117993
35°	36647
40°	9847
45°	3442
50°	819
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3442 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	14.5
10°-20°	353.3	35.9
20°-30°	371.3	37.7
30°-40°	106.3	10.8
40°-50°	10.4	1.1
50°-60°	0.8	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	867.2	88.0
0°-40°	973.5	98.8
0°-60°	984.7	100.0
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1570	
5°	1522	143
15°	1275	353
25°	849	371
35°	137	106
45°	11	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1569.8
1°	1567.3
2°	1560.4
3°	1550.3
4°	1536.7
5°	1522.2
6°	1506.5
7°	1489.8
8°	1474.2
9°	1456.1
10°	1436.0
11°	1412.7
12°	1385.9
13°	1352.6
14°	1316.4
15°	1275.1
16°	1231.3
17°	1188.9
18°	1145.4
19°	1107.2
20°	1073.2
21°	1040.5
22°	1003.3
23°	960.6
24°	910.5
25°	849.0
26°	782.3
27°	707.9
28°	633.9
29°	554.0
30°	466.0
31°	383.7
32°	307.9
32.5°	274.9
33°	241.5
34°	185.2
35°	136.9
36°	100.4
37°	74.7
37.5°	64.6
38°	56.0
39°	43.4
40°	34.4
42.5°	19.5
45°	11.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.3
50°	2.4
52.5°	1.0
55°	0.7
57.5°	0.7
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)