

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: P1294129

Luminaire Tested: P3A09R55W2N902750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

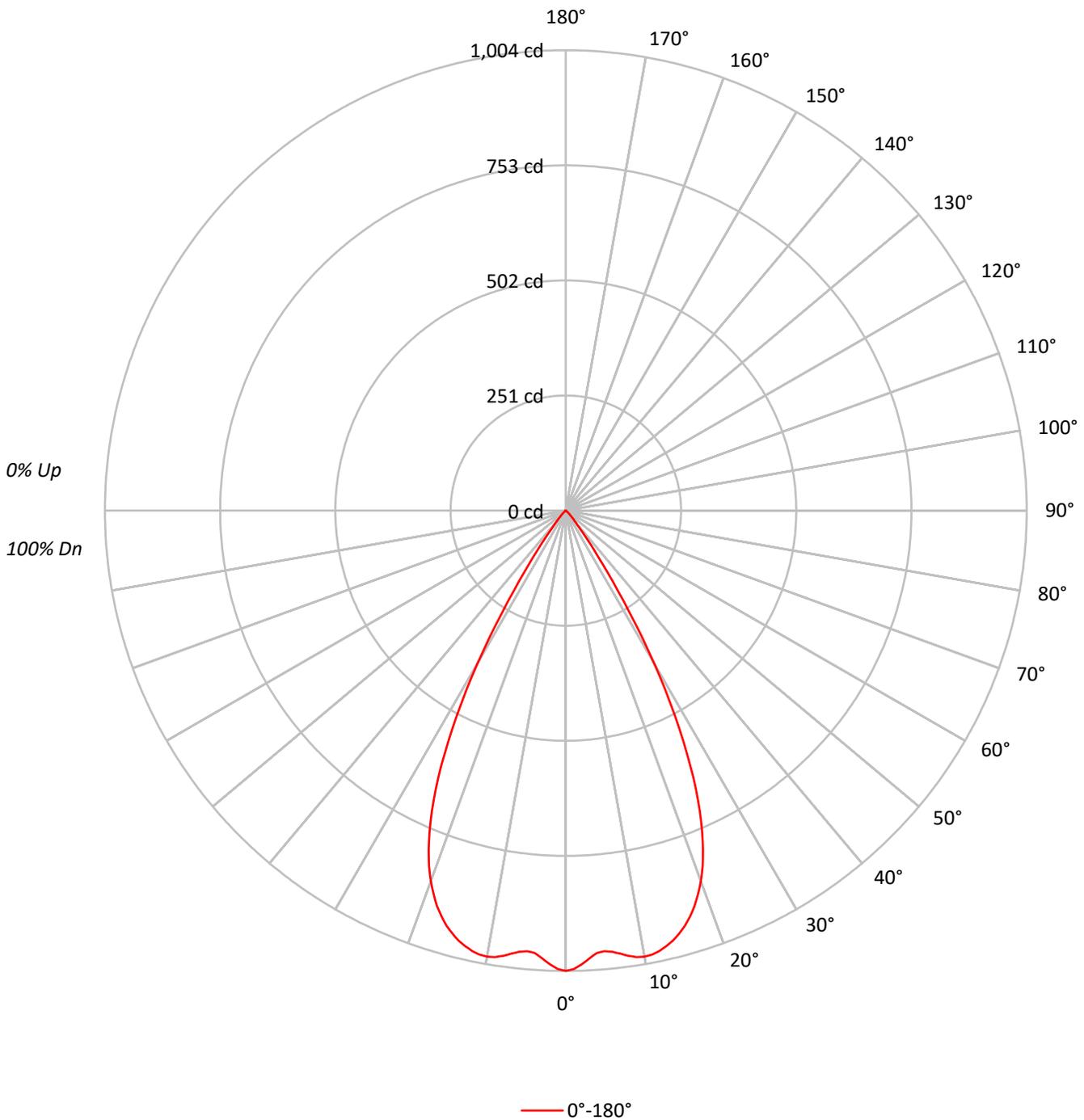
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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			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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95			95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89			89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84			84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79			79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75			75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71			71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67			67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63			63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60			60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57			57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220092
5°	212304
10°	219902
15°	216800
20°	200661
25°	162276
30°	97255
35°	32953
40°	9074
45°	4031
50°	1194
55°	229
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	12.3
10°-20°	265.9	35.0
20°-30°	295.6	38.9
30°-40°	92.0	12.1
40°-50°	11.1	1.5
50°-60°	0.9	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°	654.8	86.3
0°-40°	746.8	98.4
0°-60°	758.7	100.0
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1004	
5°	964	93
15°	955	266
25°	671	296
35°	123	92
45°	13	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1003.7
1°	1000.0
2°	990.2
3°	978.1
4°	967.1
5°	964.5
6°	967.4
7°	973.5
8°	980.4
9°	985.9
10°	987.6
11°	986.4
12°	981.8
13°	974.6
14°	966.3
15°	955.0
16°	942.0
17°	925.6
18°	907.1
19°	884.9
20°	859.9
21°	831.3
22°	797.6
23°	760.4
24°	717.7
25°	670.7
26°	619.1
27°	564.3
28°	505.8
29°	445.5
30°	384.1
31°	322.4
32°	262.1
32.5°	235.3
33°	207.6
34°	160.6
35°	123.1
36°	93.7
37°	69.5
37.5°	59.4
38°	51.6
39°	39.2
40°	31.7
42.5°	20.2
45°	13.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.8
50°	3.5
52.5°	1.2
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)