

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: P1291290

Luminaire Tested: P3A05R70W2N902750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R70W2N902750DE010 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

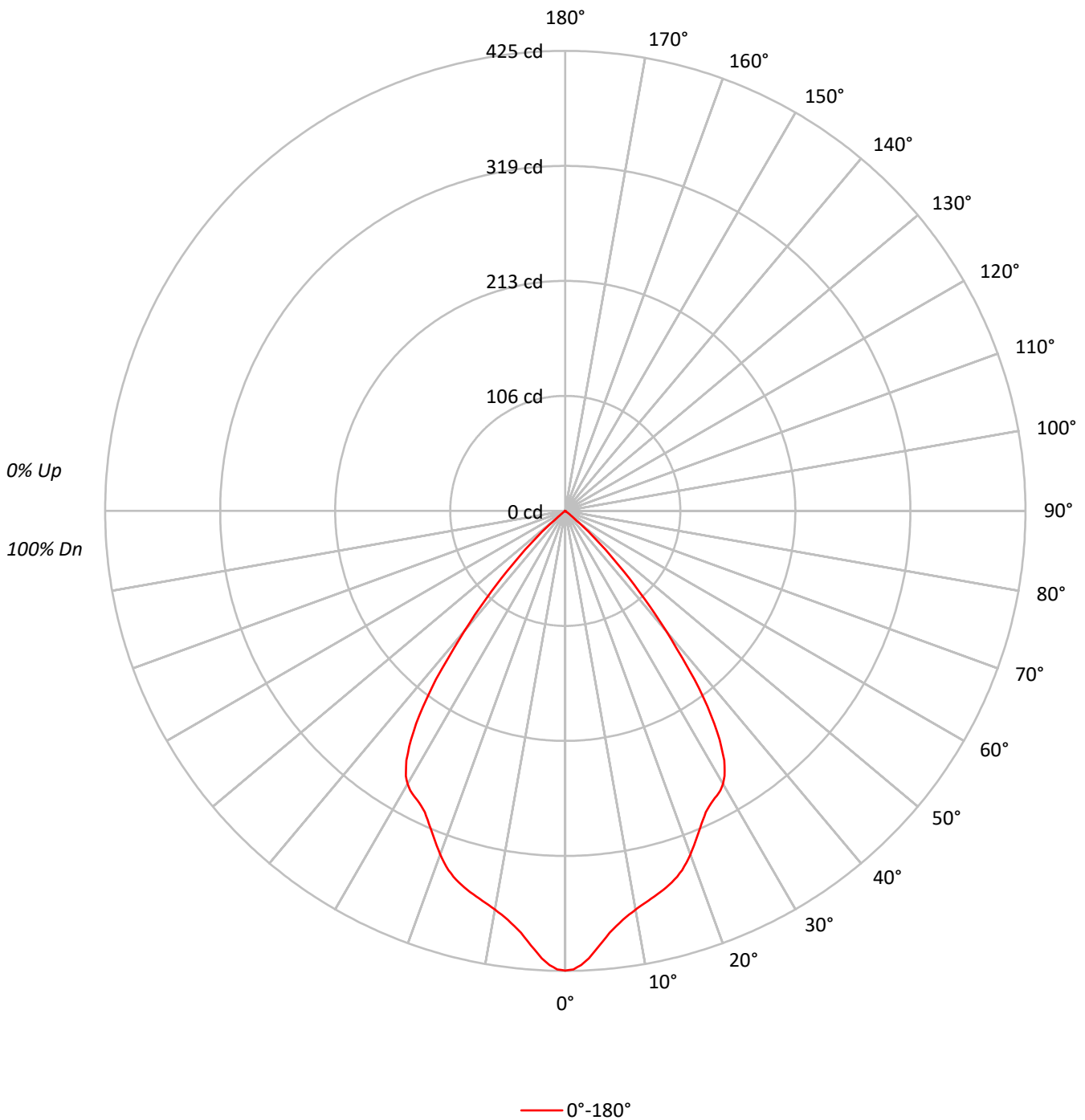
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 479.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95		93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80		79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74		72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68		66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63		61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58		57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54		52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50		49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93129
5°	87827
10°	83276
15°	81771
20°	78827
25°	74303
30°	73784
35°	64246
40°	41564
45°	19630
50°	2763
55°	229
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19630 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	7.8
10°-20°	101.2	21.1
20°-30°	143.1	29.9
30°-40°	143.8	30.0
40°-50°	51.7	10.8
50°-60°	1.4	0.3
60°-70°	0.3	0.1
70°-80°	0.2	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°	281.5	58.8
0°-40°	425.3	88.8
0°-60°	478.5	99.9
0°-90°	479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	425	
5°	399	37
15°	360	101
25°	307	143
35°	240	144
45°	63	52
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	424.7
1°	423.6
2°	419.8
3°	413.9
4°	406.4
5°	399.0
6°	391.9
7°	386.4
8°	381.5
9°	377.5
10°	374.0
11°	371.0
12°	368.3
13°	365.5
14°	363.0
15°	360.2
16°	356.9
17°	353.3
18°	349.0
19°	343.7
20°	337.8
21°	331.3
22°	324.8
23°	318.5
24°	312.4
25°	307.1
26°	303.4
27°	300.4
28°	298.0
29°	295.3
30°	291.4
31°	285.7
32°	277.6
32.5°	273.1
33°	267.0
34°	255.0
35°	240.0
36°	223.5
37°	204.8
37.5°	196.1
38°	184.3
39°	163.3
40°	145.2
42.5°	100.5
45°	63.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	34.0
50°	8.1
52.5°	1.0
55°	0.6
57.5°	0.6
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)