

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: P1290334

Luminaire Tested: P3A05R55W2N902750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290334
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: P3A05R55W2N902750DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

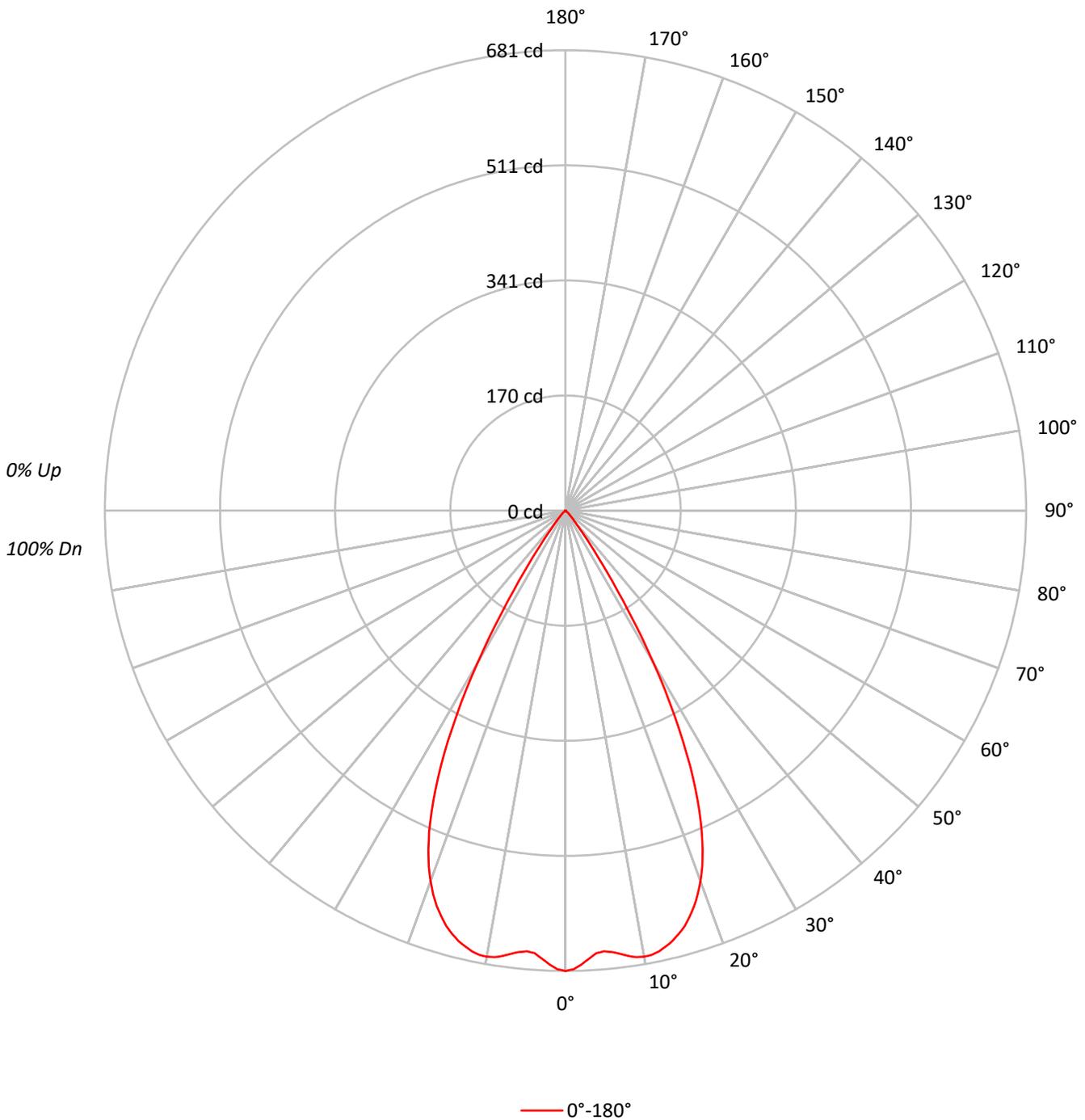
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 87.3 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): 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	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	66	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°	149352
5°	144067
10°	149207
15°	147106
20°	136139
25°	110111
30°	65985
35°	22352
40°	6154
45°	2729
50°	785
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	12.3
10°-20°	180.4	35.0
20°-30°	200.5	38.9
30°-40°	62.4	12.1
40°-50°	7.5	1.5
50°-60°	0.6	0.1
60°-70°	0.2	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°	444.3	86.3
0°-40°	506.7	98.4
0°-60°	514.8	100.0
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	681	
5°	654	63
15°	648	180
25°	455	201
35°	84	62
45°	9	7
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	681.1
1°	678.5
2°	671.9
3°	663.7
4°	656.2
5°	654.5
6°	656.4
7°	660.5
8°	665.2
9°	668.9
10°	670.1
11°	669.3
12°	666.2
13°	661.3
14°	655.6
15°	648.0
16°	639.2
17°	628.0
18°	615.5
19°	600.5
20°	583.4
21°	564.1
22°	541.2
23°	515.9
24°	487.0
25°	455.1
26°	420.1
27°	382.9
28°	343.2
29°	302.3
30°	260.6
31°	218.7
32°	177.8
32.5°	159.7
33°	140.9
34°	109.0
35°	83.5
36°	63.6
37°	47.2
37.5°	40.3
38°	35.0
39°	26.6
40°	21.5
42.5°	13.7
45°	8.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.3
50°	2.3
52.5°	0.8
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
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)