

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: P1290311

Luminaire Tested: P3A05R55W2N902750DE010 E3D1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290311
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 E3D1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

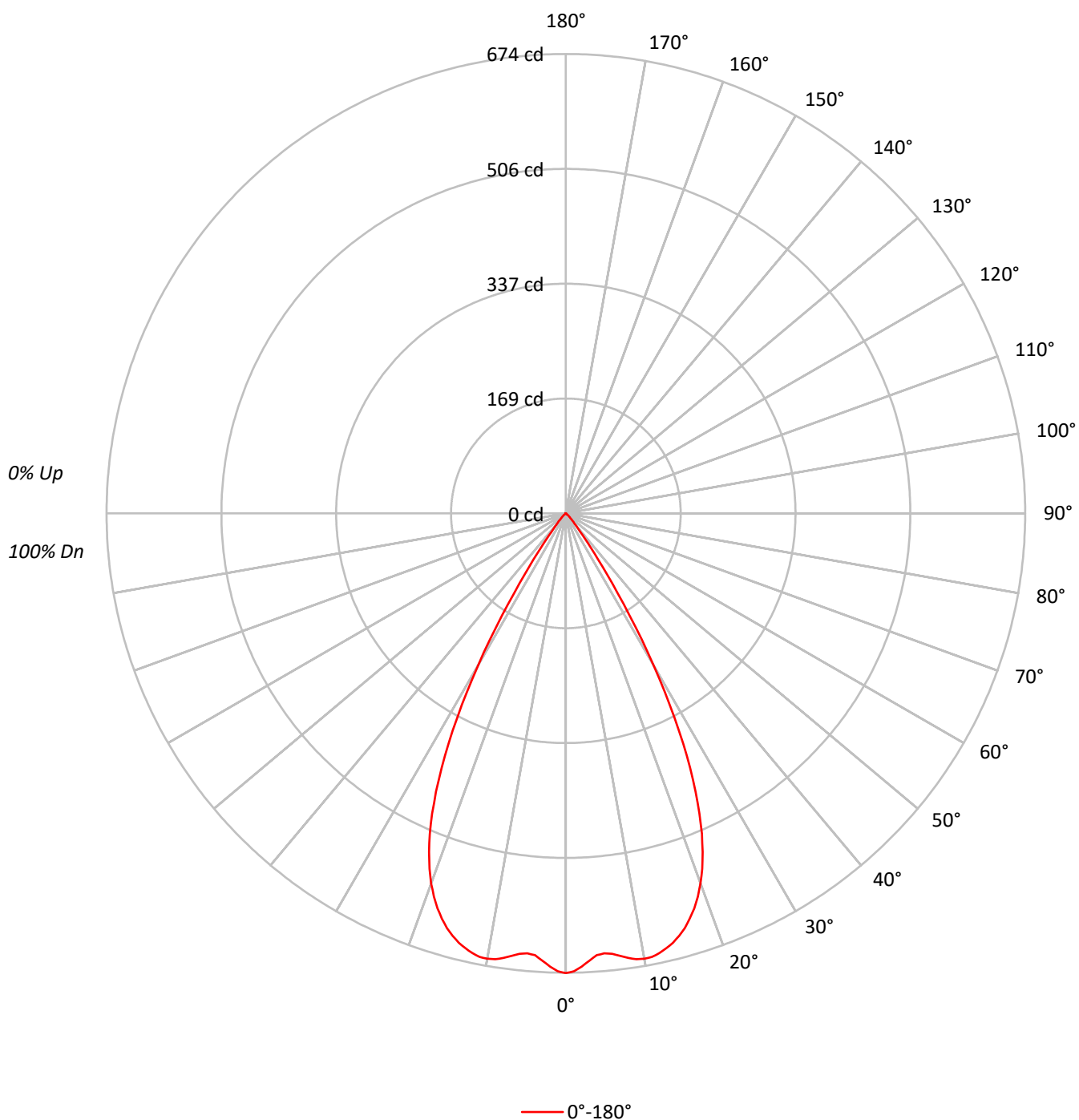
Lumens per Lamp: N/A
Luminaire Lumens: 510.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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						
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95						
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89						
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84						
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79						
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75						
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71						
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67						
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63						
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60						
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147905
5°	142659
10°	147759
15°	145676
20°	134832
25°	109047
30°	65352
35°	22138
40°	6097
45°	2698
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: 2698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	12.3
10°-20°	178.7	35.0
20°-30°	198.6	38.9
30°-40°	61.8	12.1
40°-50°	7.4	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°	440.0	86.3
0°-40°	501.8	98.4
0°-60°	509.8	100.0
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	648	63
15°	642	179
25°	451	199
35°	83	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°	674.5
1°	671.9
2°	665.3
3°	657.2
4°	649.8
5°	648.1
6°	650.0
7°	654.1
8°	658.8
9°	662.4
10°	663.6
11°	662.8
12°	659.7
13°	654.9
14°	649.3
15°	641.7
16°	633.0
17°	621.9
18°	609.5
19°	594.6
20°	577.8
21°	558.6
22°	535.9
23°	510.9
24°	482.2
25°	450.7
26°	416.0
27°	379.2
28°	339.8
29°	299.3
30°	258.1
31°	216.6
32°	176.1
32.5°	158.1
33°	139.5
34°	107.9
35°	82.7
36°	63.0
37°	46.7
37.5°	39.9
38°	34.7
39°	26.4
40°	21.3
42.5°	13.6
45°	8.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.2
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)