

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: P1290333

Luminaire Tested: P3A05R55W2N902750DE010 E3D1WMH\_4000K

Issue Date: 1/29/2026

**Test Information**

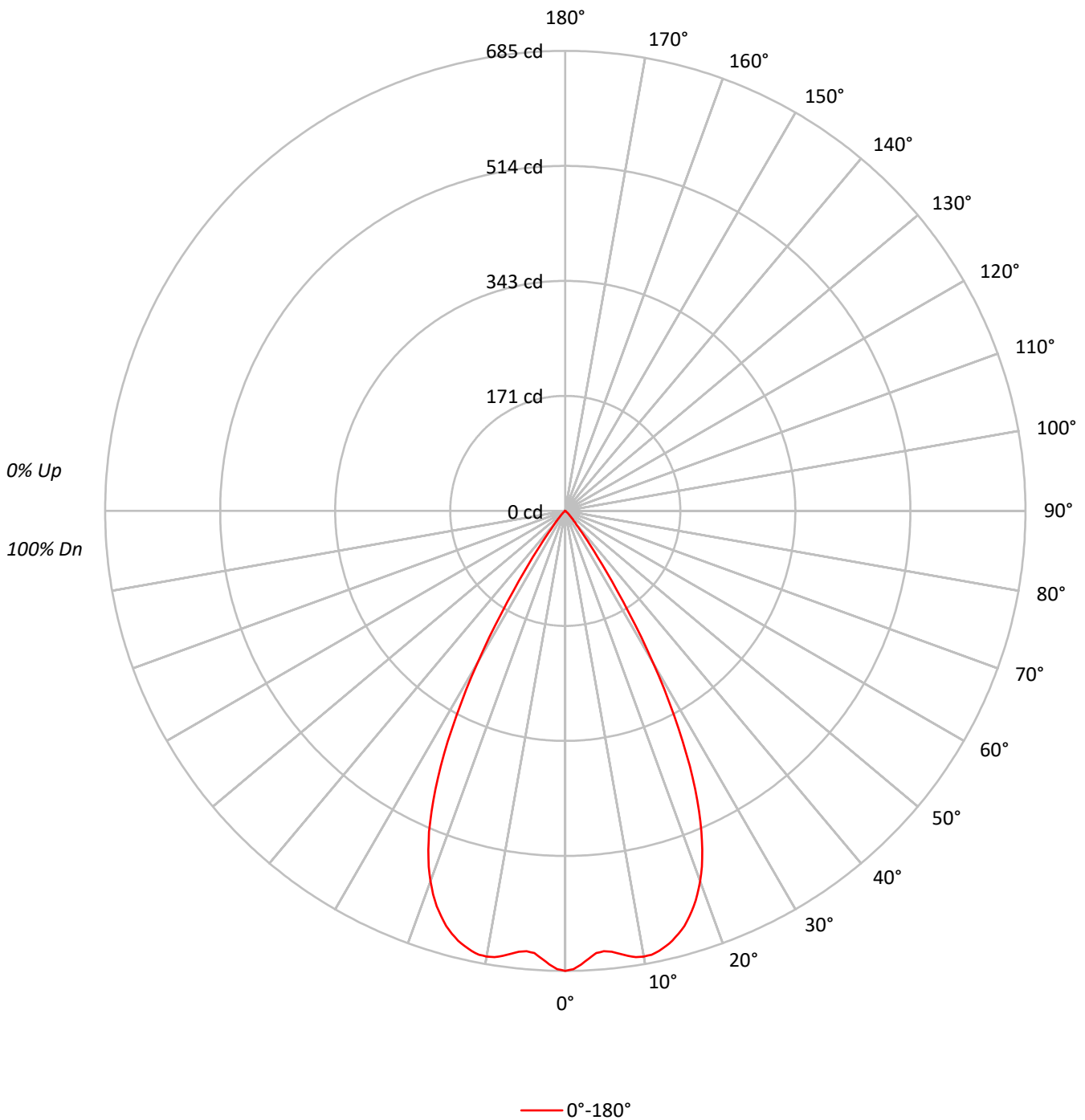
Test Method: LM-79-2019  
Report Number: P1290333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R55W2N902750DE010 E3D1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 518.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 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				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	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	65	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°	150207
5°	144904
10°	150075
15°	147969
20°	136932
25°	110740
30°	66365
35°	22486
40°	6183
45°	2760
50°	819
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: 2760 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.7	12.3
10°-20°	181.5	35.0
20°-30°	201.7	38.9
30°-40°	62.8	12.1
40°-50°	7.6	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°	446.9	86.3
0°-40°	509.6	98.4
0°-60°	517.8	100.0
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	685	
5°	658	64
15°	652	181
25°	458	202
35°	84	63
45°	9	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	685.0
1°	682.5
2°	675.8
3°	667.5
4°	660.0
5°	658.3
6°	660.2
7°	664.4
8°	669.1
9°	672.8
10°	674.0
11°	673.2
12°	670.1
13°	665.2
14°	659.4
15°	651.8
16°	642.9
17°	631.7
18°	619.1
19°	604.0
20°	586.8
21°	567.3
22°	544.3
23°	518.9
24°	489.8
25°	457.7
26°	422.5
27°	385.1
28°	345.2
29°	304.0
30°	262.1
31°	220.0
32°	178.9
32.5°	160.6
33°	141.7
34°	109.6
35°	84.0
36°	64.0
37°	47.4
37.5°	40.5
38°	35.2
39°	26.8
40°	21.6
42.5°	13.8
45°	8.9



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	5.3
50°	2.4
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)