

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: P1294110

Luminaire Tested: P3AS09R55W2N902750DE010 E3D1LI\_2700K

Issue Date: 1/29/2026

**Test Information**

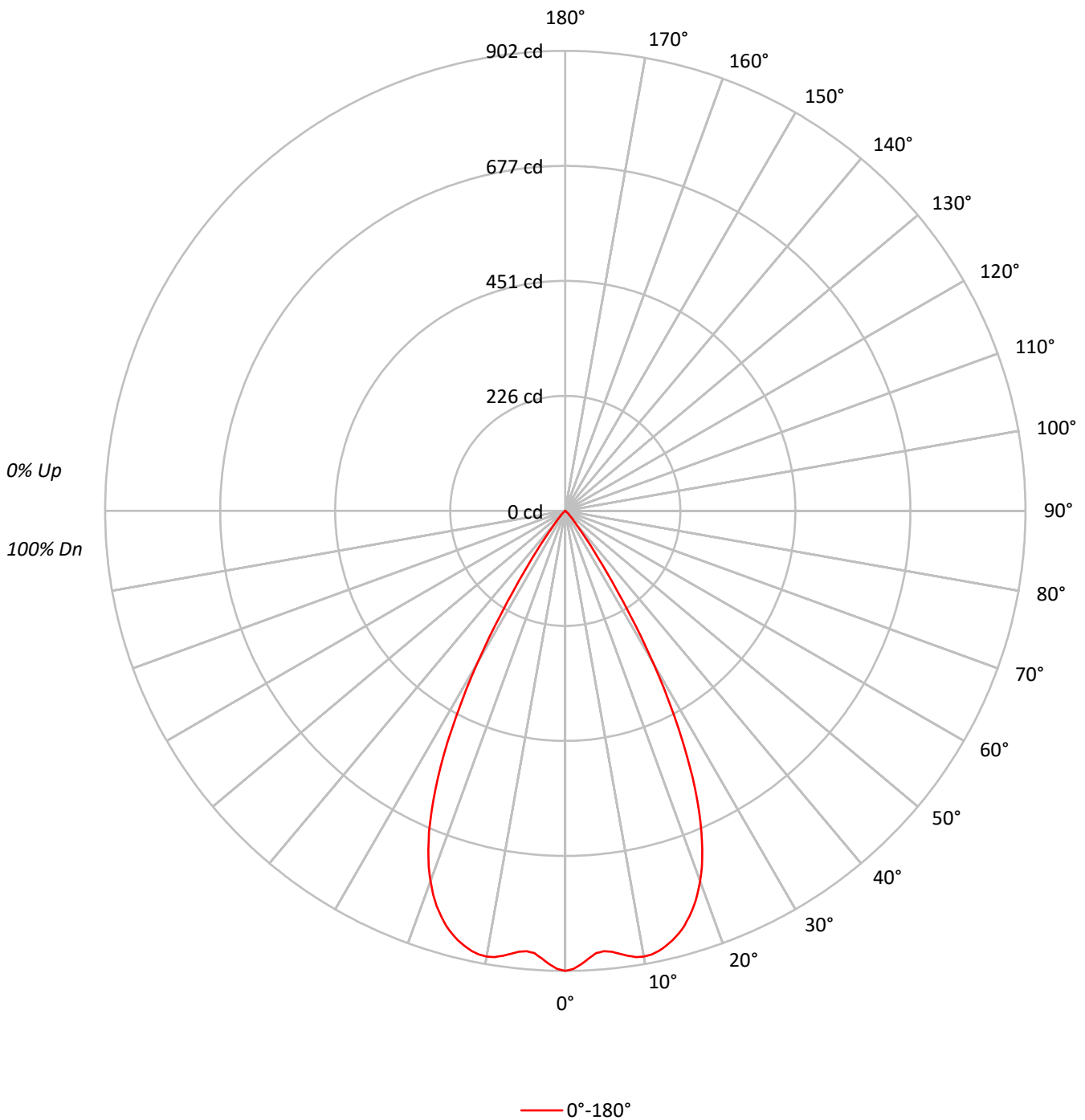
Test Method: LM-79-2019  
Report Number: P1294110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R55W2N902750DE010 E3D1LI\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,  
E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 682.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 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): 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	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°	197769
5°	190777
10°	197592
15°	194802
20°	180289
25°	145823
30°	87381
35°	29607
40°	8158
45°	3628
50°	1058
55°	191
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.9	12.3
10°-20°	238.9	35.0
20°-30°	265.6	38.9
30°-40°	82.7	12.1
40°-50°	9.9	1.5
50°-60°	0.8	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°	588.3	86.3
0°-40°	671.0	98.4
0°-60°	681.7	100.0
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	902	
5°	867	84
15°	858	239
25°	603	266
35°	111	83
45°	12	10
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	901.9
1°	898.5
2°	889.7
3°	878.9
4°	869.0
5°	866.7
6°	869.3
7°	874.7
8°	880.9
9°	885.8
10°	887.4
11°	886.4
12°	882.2
13°	875.7
14°	868.2
15°	858.1
16°	846.5
17°	831.7
18°	815.1
19°	795.2
20°	772.6
21°	747.0
22°	716.7
23°	683.2
24°	644.9
25°	602.7
26°	556.3
27°	507.1
28°	454.5
29°	400.3
30°	345.1
31°	289.7
32°	235.5
32.5°	211.4
33°	186.5
34°	144.3
35°	110.6
36°	84.2
37°	62.4
37.5°	53.4
38°	46.4
39°	35.2
40°	28.5
42.5°	18.1
45°	11.7



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	7.0
50°	3.1
52.5°	1.0
55°	0.5
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)