

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: P1295062

Luminaire Tested: P3AS09R70W2N902750DE010 E3D1H\_2700K

Issue Date: 1/29/2026

**Test Information**

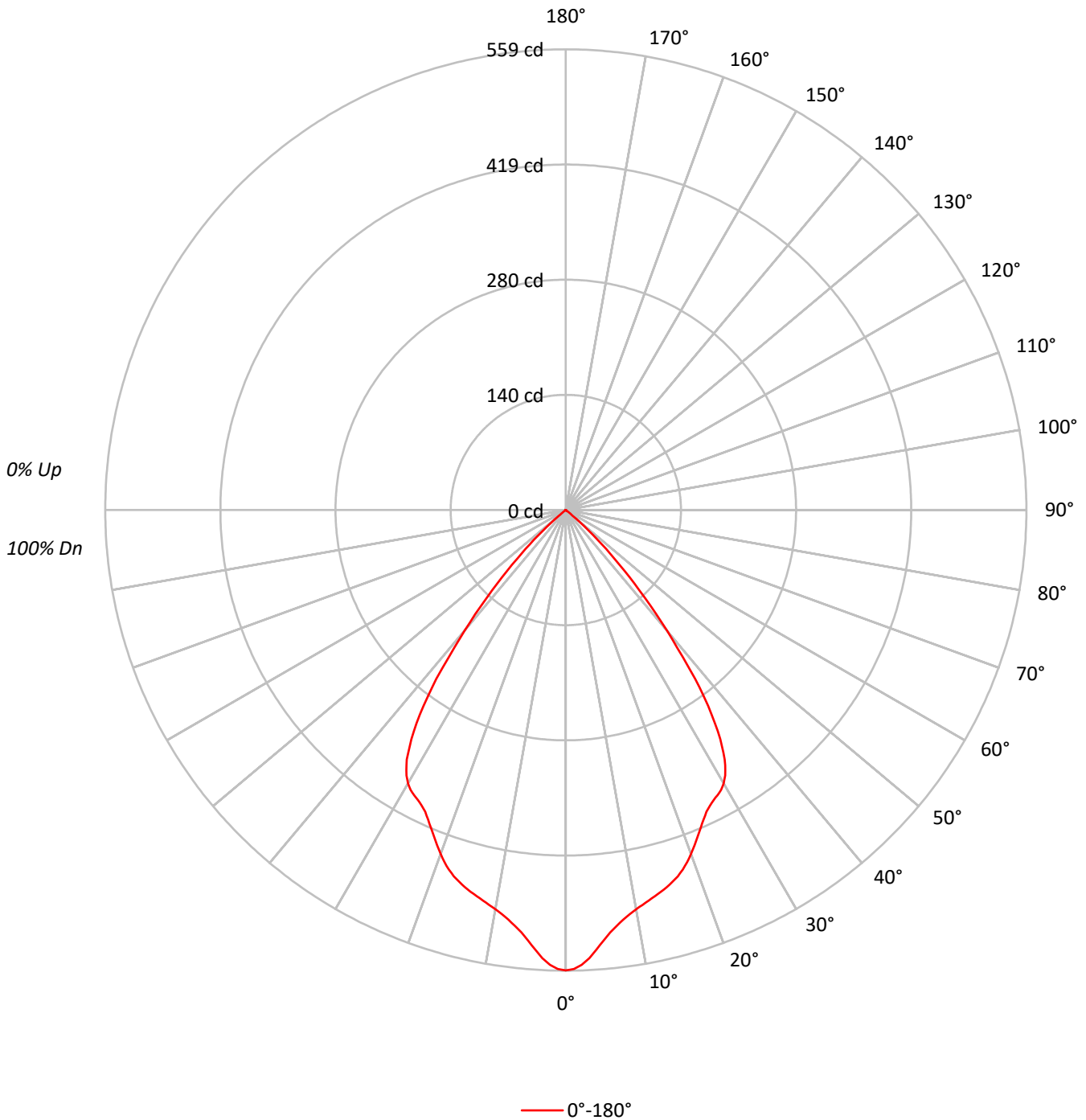
Test Method: LM-79-2019  
Report Number: P1295062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R70W2N902750DE010 E3D1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 630.1 lumens  
Efficiency: N/A  
Efficacy: 70.0 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): 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	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	76	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°	122490
5°	115496
10°	109528
15°	107560
20°	103679
25°	97723
30°	97028
35°	84510
40°	54674
45°	25832
50°	3616
55°	306
60°	219
65°	259
70°	192
75°	254
80°	379
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25832 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	7.8
10°-20°	133.0	21.1
20°-30°	188.2	29.9
30°-40°	189.2	30.0
40°-50°	68.0	10.8
50°-60°	1.8	0.3
60°-70°	0.4	0.1
70°-80°	0.3	0.1
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°	370.3	58.8
0°-40°	559.4	88.8
0°-60°	629.3	99.9
0°-90°	630.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	559	
5°	525	49
15°	474	133
25°	404	188
35°	316	189
45°	83	68
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	558.6
1°	557.1
2°	552.2
3°	544.4
4°	534.6
5°	524.7
6°	515.4
7°	508.2
8°	501.7
9°	496.5
10°	491.9
11°	488.0
12°	484.4
13°	480.8
14°	477.4
15°	473.8
16°	469.4
17°	464.7
18°	459.0
19°	452.0
20°	444.3
21°	435.7
22°	427.2
23°	418.9
24°	410.9
25°	403.9
26°	399.0
27°	395.1
28°	392.0
29°	388.4
30°	383.2
31°	375.7
32°	365.1
32.5°	359.1
33°	351.1
34°	335.3
35°	315.7
36°	293.9
37°	269.4
37.5°	258.0
38°	242.4
39°	214.8
40°	191.0
42.5°	132.2
45°	83.3



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	44.8
50°	10.6
52.5°	1.3
55°	0.8
57.5°	0.8
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)