

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: P1284180

Luminaire Tested: P3AS09R70B2750DE010 E3D1LI\_4000K

Issue Date: 1/29/2026

**Test Information**

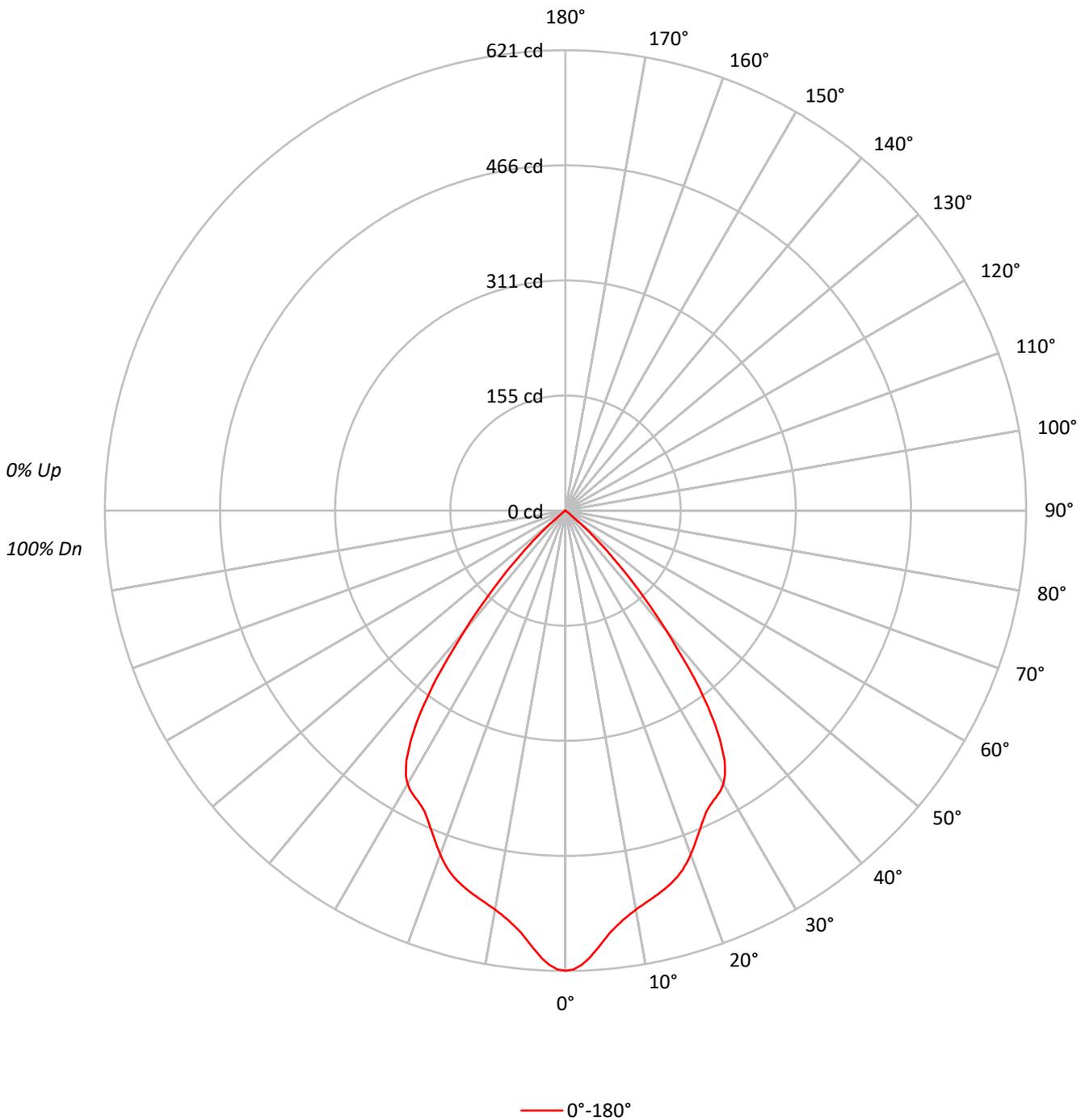
Test Method: LM-79-2019  
Report Number: P1284180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R70B2750DE010 E3D1LI\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 700.1 lumens  
Efficiency: N/A  
Efficacy: 53.4 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): 13.1  
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57			57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	136108
5°	128351
10°	121686
15°	119501
20°	115183
25°	108587
30°	107814
35°	93906
40°	60742
45°	28716
50°	4025
55°	344
60°	263
65°	311
70°	192
75°	254
80°	379
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28716 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	7.8
10°-20°	147.8	21.1
20°-30°	209.1	29.9
30°-40°	210.2	30.0
40°-50°	75.6	10.8
50°-60°	2.0	0.3
60°-70°	0.5	0.1
70°-80°	0.3	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°	411.4	58.8
0°-40°	621.6	88.8
0°-60°	699.2	99.9
0°-90°	700.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	621	
5°	583	54
15°	526	148
25°	449	209
35°	351	210
45°	93	76
55°	1	2
65°	1	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	620.7
1°	619.0
2°	613.5
3°	604.9
4°	594.0
5°	583.1
6°	572.7
7°	564.7
8°	557.5
9°	551.7
10°	546.5
11°	542.2
12°	538.2
13°	534.2
14°	530.4
15°	526.4
16°	521.5
17°	516.4
18°	510.0
19°	502.3
20°	493.6
21°	484.2
22°	474.7
23°	465.5
24°	456.6
25°	448.8
26°	443.3
27°	439.0
28°	435.6
29°	431.5
30°	425.8
31°	417.5
32°	405.7
32.5°	399.1
33°	390.1
34°	372.6
35°	350.8
36°	326.6
37°	299.3
37.5°	286.6
38°	269.4
39°	238.6
40°	212.2
42.5°	146.9
45°	92.6



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	49.7
50°	11.8
52.5°	1.4
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6
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)