

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: P1270043

Luminaire Tested: P3A13R709740DE010 E3D1H

Issue Date: 1/29/2026

**Test Information**

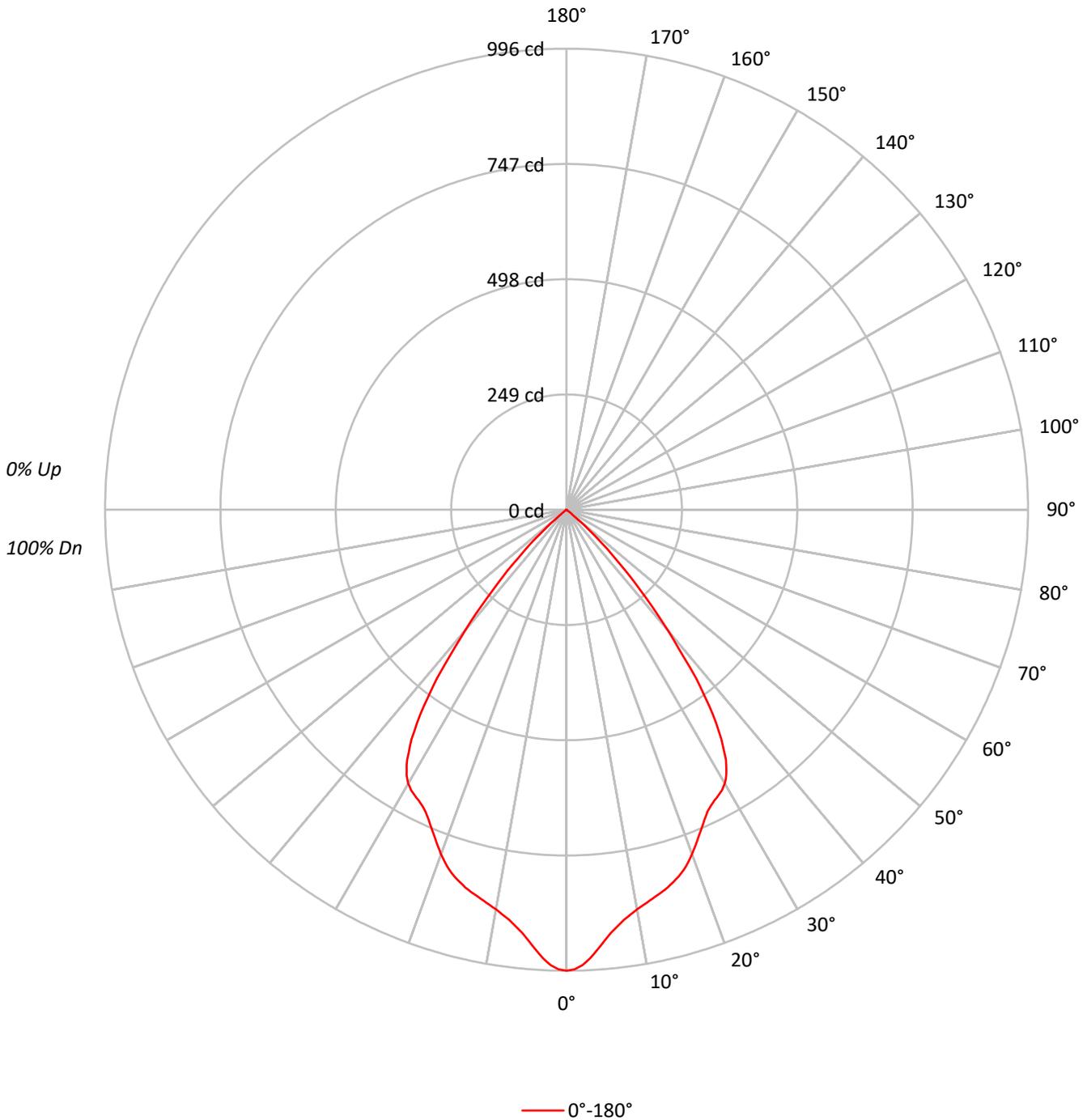
Test Method: LM-79-2019  
Report Number: P1270043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R709740DE010 E3D1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1123.1 lumens  
Efficiency: N/A  
Efficacy: 76.9 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): 14.6  
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°	218360
5°	205899
10°	195231
15°	191715
20°	184793
25°	174204
30°	172963
35°	150630
40°	97440
45°	46051
50°	6448
55°	535
60°	395
65°	467
70°	321
75°	424
80°	631
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 46051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	7.8
10°-20°	237.2	21.1
20°-30°	335.5	29.9
30°-40°	337.2	30.0
40°-50°	121.3	10.8
50°-60°	3.3	0.3
60°-70°	0.7	0.1
70°-80°	0.5	0.0
80°-90°	0.1	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°	660.0	58.8
0°-40°	997.2	88.8
0°-60°	1121.7	99.9
0°-90°	1123.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	996	
5°	935	87
15°	844	237
25°	720	336
35°	563	337
45°	148	121
55°	1	3
65°	1	1
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	995.8
1°	993.0
2°	984.3
3°	970.4
4°	952.9
5°	935.4
6°	918.8
7°	905.9
8°	894.3
9°	885.1
10°	876.8
11°	869.9
12°	863.4
13°	857.0
14°	851.0
15°	844.5
16°	836.7
17°	828.4
18°	818.2
19°	805.8
20°	791.9
21°	776.7
22°	761.5
23°	746.7
24°	732.4
25°	720.0
26°	711.2
27°	704.3
28°	698.8
29°	692.3
30°	683.1
31°	669.7
32°	650.8
32.5°	640.2
33°	625.9
34°	597.8
35°	562.7
36°	524.0
37°	480.1
37.5°	459.8
38°	432.2
39°	382.8
40°	340.4
42.5°	235.7
45°	148.5



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	79.8
50°	18.9
52.5°	2.3
55°	1.4
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)