

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: P1266348

Luminaire Tested: P3A02R509735DE010 E3D1H

Issue Date: 1/29/2026

**Test Information**

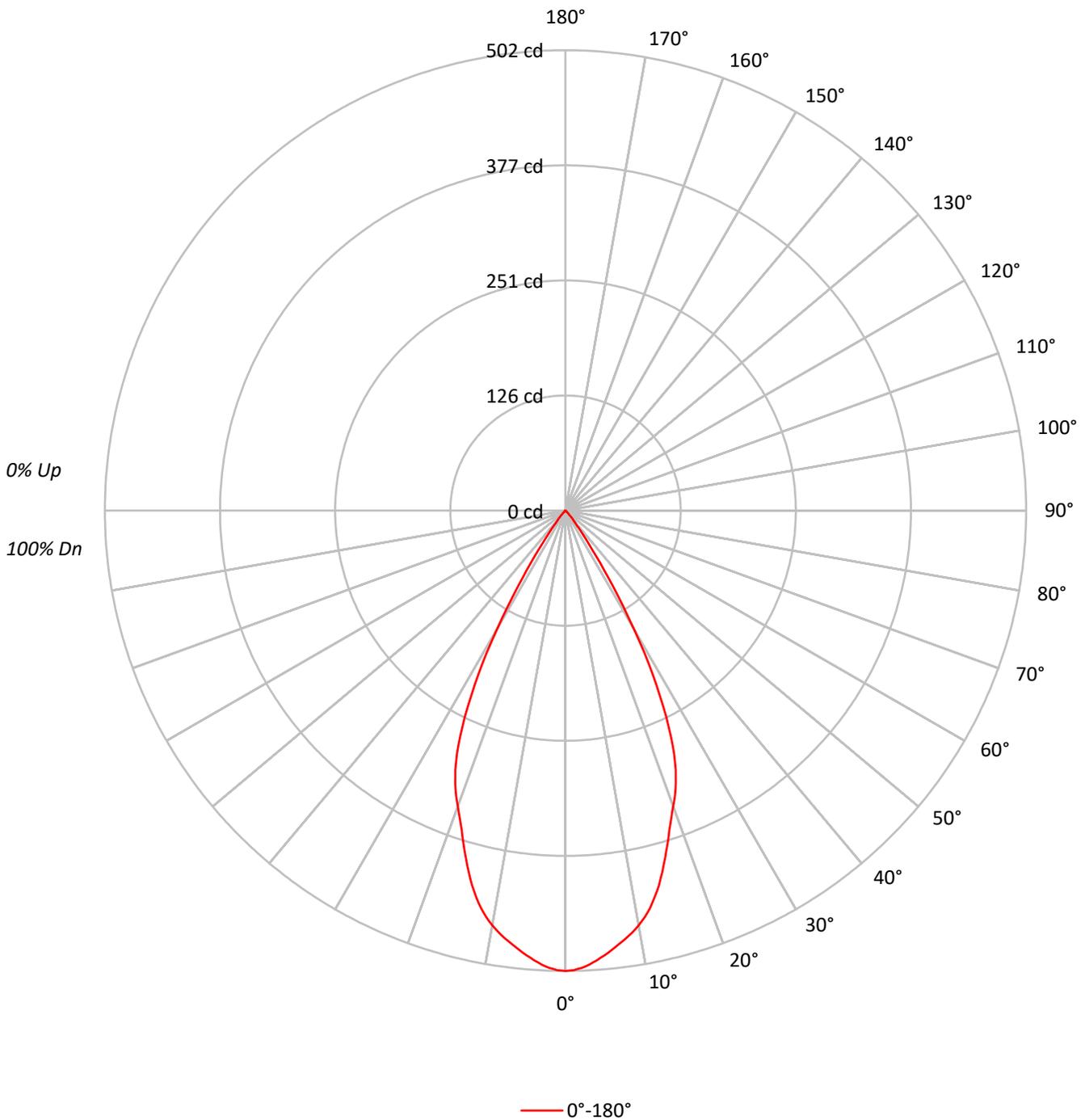
Test Method: LM-79-2019  
Report Number: P1266348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R509735DE010 E3D1H  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 315.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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			
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80			
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76			
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68			
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59			

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

	0°
0°	110079
5°	107154
10°	102247
15°	92577
20°	80087
25°	65689
30°	37727
35°	11725
40°	3149
45°	1116
50°	273
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1116 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.6	14.5
10°-20°	113.0	35.9
20°-30°	118.8	37.7
30°-40°	34.0	10.8
40°-50°	3.3	1.1
50°-60°	0.3	0.1
60°-70°	0.1	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°	277.3	88.0
0°-40°	311.3	98.8
0°-60°	314.9	100.0
0°-90°	315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	502	
5°	487	46
15°	408	113
25°	272	119
35°	44	34
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	502.0
1°	501.2
2°	499.0
3°	495.8
4°	491.4
5°	486.8
6°	481.8
7°	476.4
8°	471.4
9°	465.7
10°	459.2
11°	451.8
12°	443.2
13°	432.5
14°	421.0
15°	407.8
16°	393.8
17°	380.2
18°	366.3
19°	354.1
20°	343.2
21°	332.7
22°	320.9
23°	307.2
24°	291.2
25°	271.5
26°	250.2
27°	226.4
28°	202.7
29°	177.2
30°	149.0
31°	122.7
32°	98.5
32.5°	87.9
33°	77.2
34°	59.2
35°	43.8
36°	32.1
37°	23.9
37.5°	20.7
38°	17.9
39°	13.9
40°	11.0
42.5°	6.2
45°	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	2.0
50°	0.8
52.5°	0.3
55°	0.2
57.5°	0.2
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.0
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)