

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: P1273234

Luminaire Tested: P3A05R159830DE010 E3D1LI

Issue Date: 1/29/2026

**Test Information**

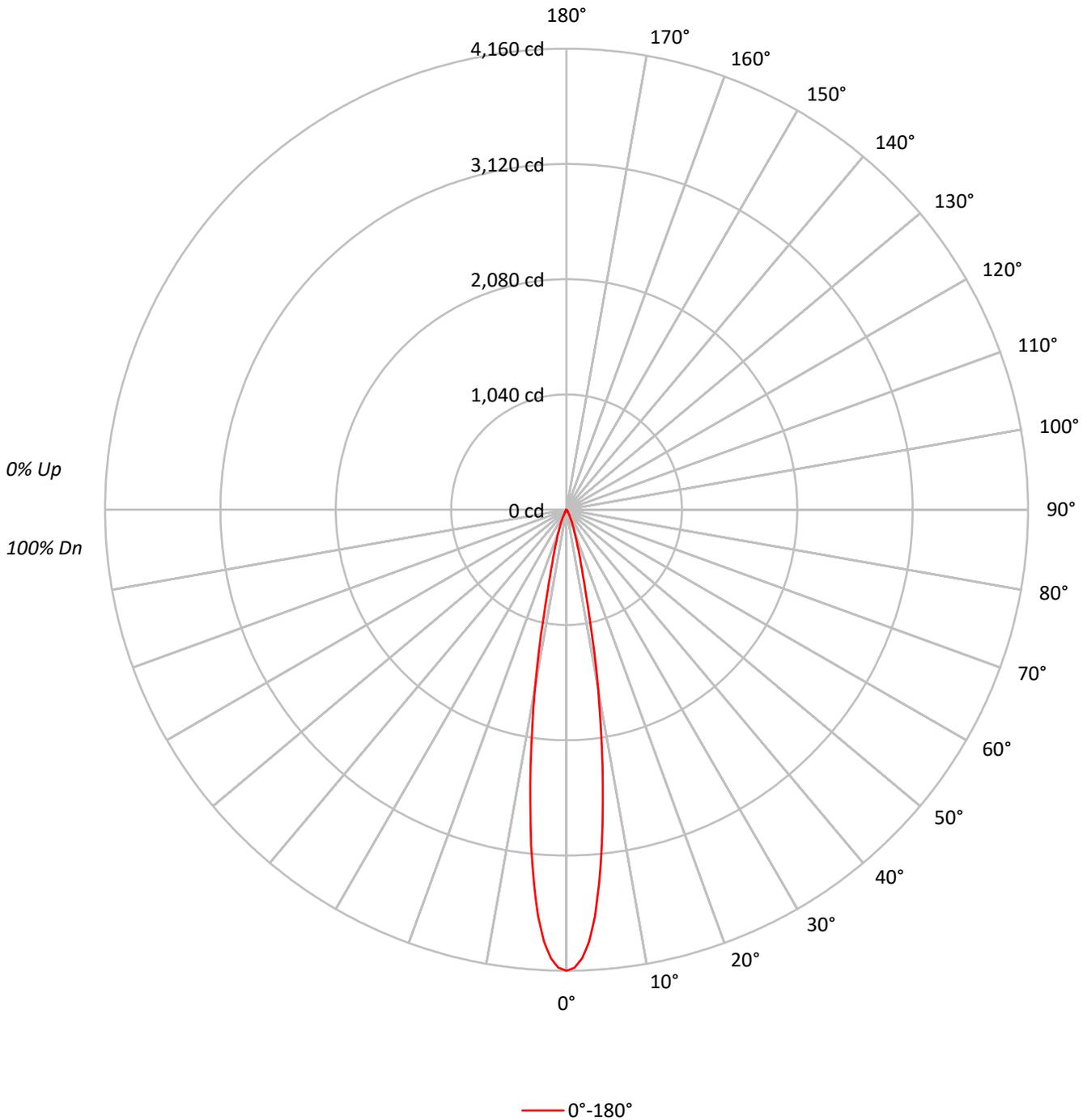
Test Method: LM-79-2019  
Report Number: P1273234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R159830DE010 E3D1LI  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 479.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	97	96	96	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	96	94	94	94
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	94	93	91	90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	91	89	88	87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	90	88	86	85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	84	88	86	84	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	87	85	83	82

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

	0°
0°	912142
5°	743780
10°	364255
15°	111488
20°	47207
25°	21364
30°	8330
35°	3828
40°	1202
45°	465
50°	171
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 465 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.0	54.9
10°-20°	161.4	33.7
20°-30°	43.3	9.0
30°-40°	9.6	2.0
40°-50°	1.3	0.3
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°	467.8	97.6
0°-40°	477.3	99.6
0°-60°	478.9	100.0
0°-90°	479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	479.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4160	
5°	3379	263
15°	491	161
25°	88	43
35°	14	10
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4159.7
1°	4133.7
2°	4050.3
3°	3900.1
4°	3674.0
5°	3379.0
6°	3045.4
7°	2673.8
8°	2332.3
9°	1970.3
10°	1635.9
11°	1305.0
12°	1004.1
13°	772.3
14°	611.4
15°	491.1
17.5°	304.4
20°	202.3
22.5°	136.2
25°	88.3
27.5°	52.3
30°	32.9
32.5°	22.2
35°	14.3
37.5°	8.0
40°	4.2
42.5°	2.4
45°	1.5
47.5°	0.9
50°	0.5
52.5°	0.4
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)