

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: P1245826

Luminaire Tested: P3A02R559024DE010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

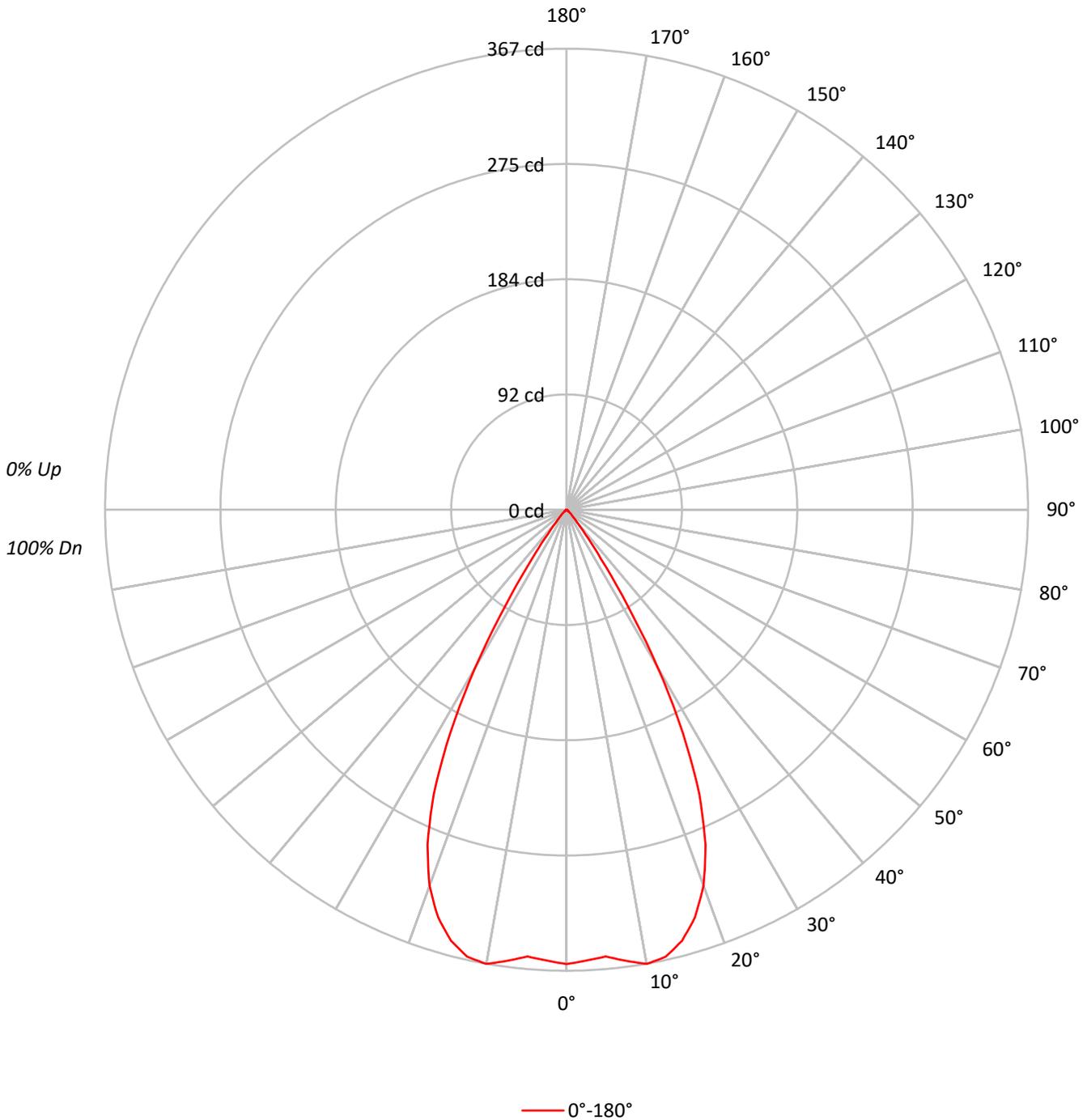
Test Method: LM-79-2019  
Report Number: P1245826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R559024DE010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 286.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82  
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	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84			
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79			
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74			
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70			
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66			
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

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

	0°
0°	79314
5°	78582
10°	81740
15°	80613
20°	74323
25°	60487
30°	36740
35°	12715
40°	3635
45°	1737
50°	716
55°	344
60°	395
65°	311
70°	256
75°	339
80°	253
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1737 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.5	12.1
10°-20°	98.7	34.5
20°-30°	110.0	38.5
30°-40°	36.0	12.6
40°-50°	4.8	1.7
50°-60°	1.0	0.4
60°-70°	0.6	0.2
70°-80°	0.3	0.1
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°	243.2	85.0
0°-40°	279.2	97.6
0°-60°	285.0	99.7
0°-90°	286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	362	
5°	357	35
15°	355	99
25°	250	110
35°	48	36
45°	6	5
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	361.7
2.5°	359.2
5°	357.0
7.5°	362.2
10°	367.1
12.5°	364.5
15°	355.1
17.5°	340.0
20°	318.5
22.5°	288.9
25°	250.0
27.5°	200.5
30°	145.1
32.5°	89.0
35°	47.5
37.5°	24.1
40°	12.7
42.5°	8.2
45°	5.6
47.5°	3.9
50°	2.1
52.5°	1.3
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.6
65°	0.6
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)