

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: P1245708

Luminaire Tested: P3A02R309024DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

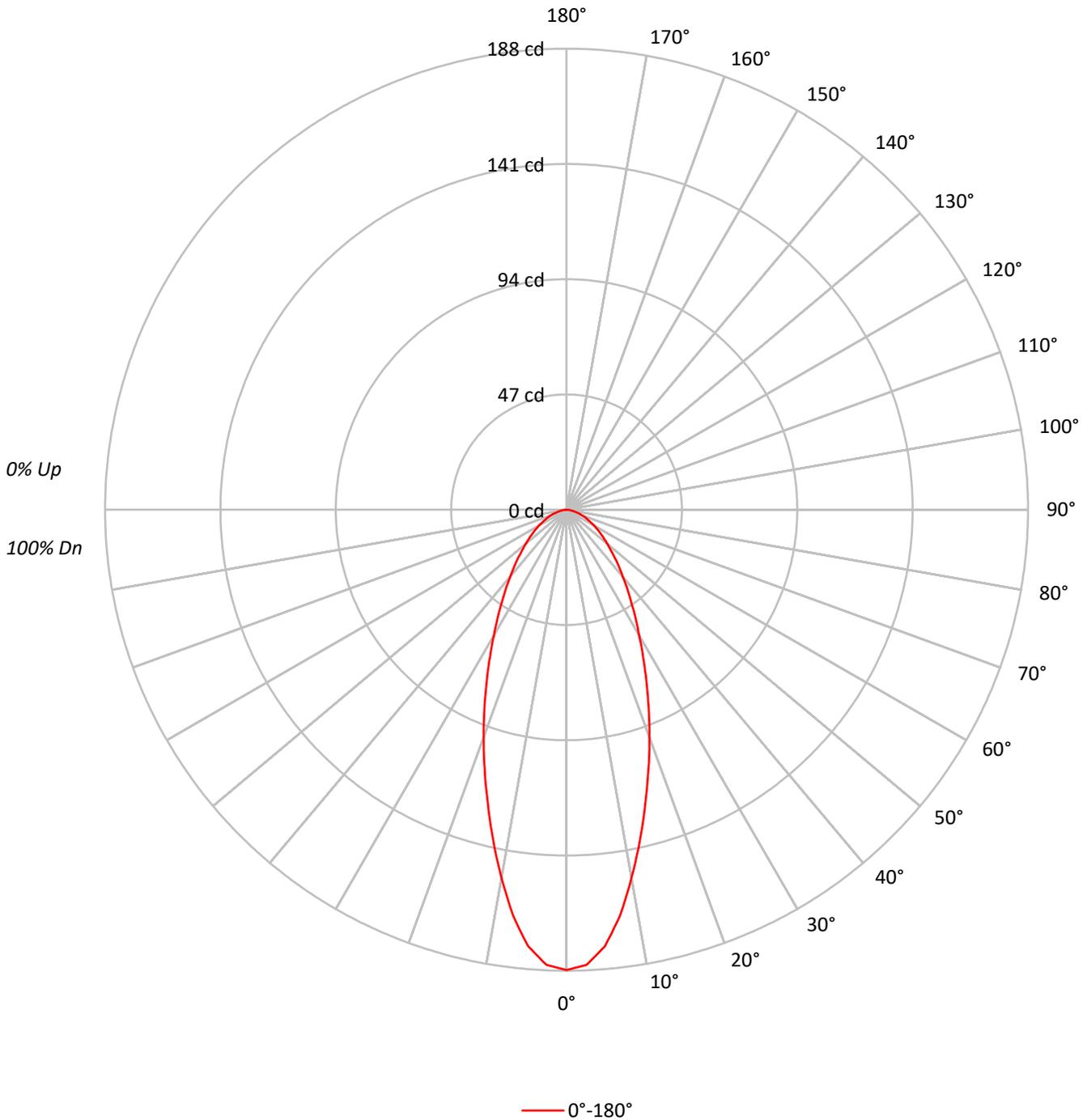
Test Method: LM-79-2019  
Report Number: P1245708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R309024DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 167.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
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	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	50	45	42	40

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

	0°
0°	41159
5°	39335
10°	33934
15°	28127
20°	23055
25°	18582
30°	14964
35°	12260
40°	10191
45°	8652
50°	7403
55°	6384
60°	5701
65°	4981
70°	4360
75°	3643
80°	2778
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8652 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	9.7
10°-20°	34.5	20.7
20°-30°	35.4	21.2
30°-40°	28.9	17.3
40°-50°	21.7	13.0
50°-60°	15.2	9.1
60°-70°	9.6	5.7
70°-80°	4.6	2.8
80°-90°	0.9	0.5
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°	86.1	51.6
0°-40°	115.1	68.9
0°-60°	152.0	91.0
0°-90°	167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	188	
5°	179	16
15°	124	35
25°	77	35
35°	46	29
45°	28	22
55°	17	15
65°	10	10
75°	4	5
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	187.7
2.5°	185.8
5°	178.7
7.5°	166.9
10°	152.4
12.5°	138.1
15°	123.9
17.5°	110.9
20°	98.8
22.5°	87.3
25°	76.8
27.5°	67.5
30°	59.1
32.5°	52.3
35°	45.8
37.5°	40.6
40°	35.6
42.5°	31.6
45°	27.9
47.5°	24.5
50°	21.7
52.5°	19.2
55°	16.7
57.5°	14.9
60°	13.0
62.5°	11.1
65°	9.6
67.5°	8.1
70°	6.8
72.5°	5.6
75°	4.3
77.5°	3.1
80°	2.2
82.5°	1.2
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)