

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: P1296647

Luminaire Tested: P3A13R30W2N902765DE010 E3PHLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

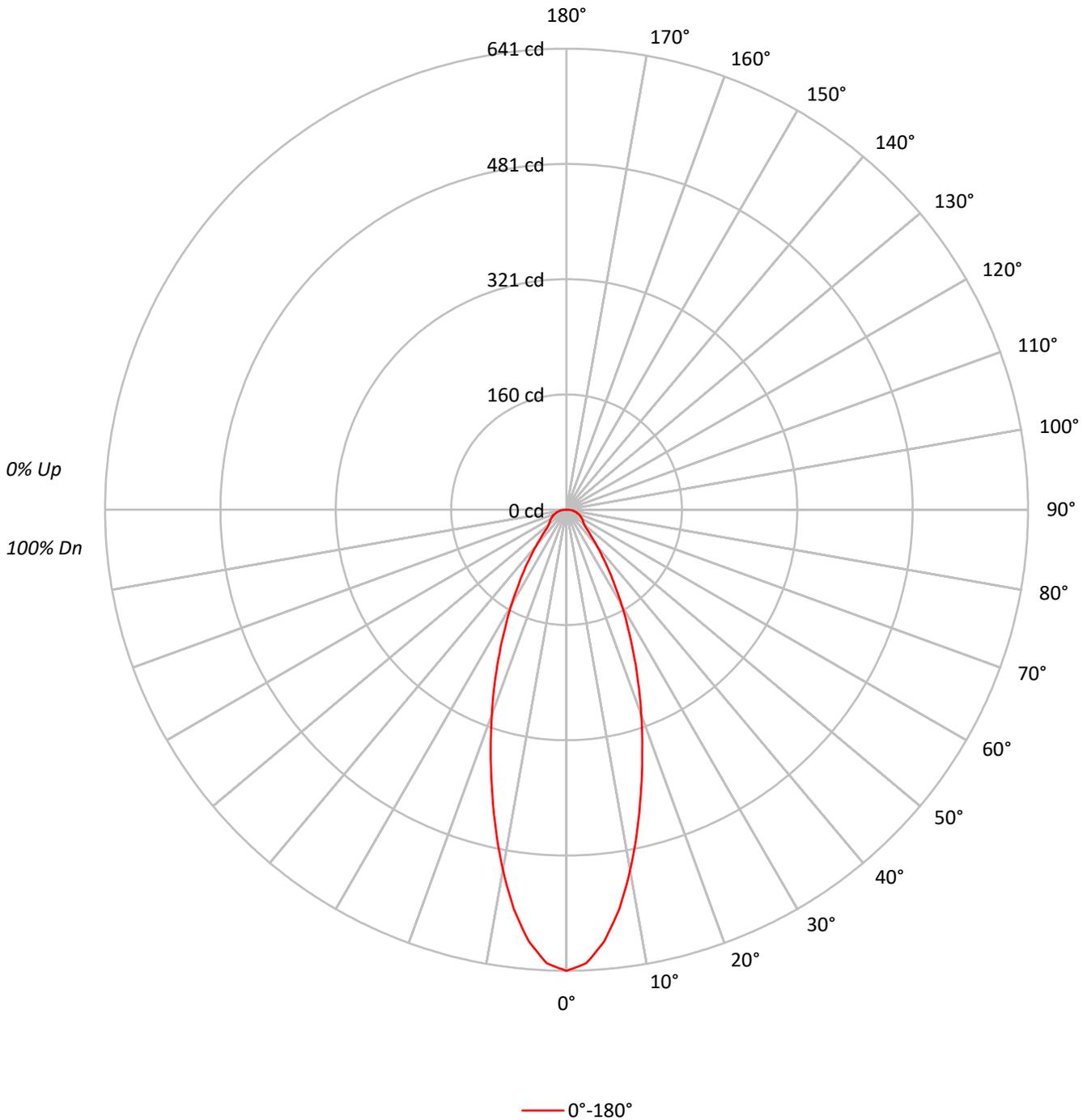
Test Method: LM-79-2019  
Report Number: P1296647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R30W2N902765DE010 E3PHLP1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 433.0 lumens  
Efficiency: N/A  
Efficacy: 35.2 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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				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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90				90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81				81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74				74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63				63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59				59
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55				55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49				49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46				46

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

	0°
0°	140581
5°	132555
10°	113313
15°	90806
20°	70776
25°	53229
30°	38816
35°	27358
40°	18778
45°	13428
50°	10985
55°	10628
60°	10701
65°	10948
70°	11412
75°	12200
80°	12628
85°	14089

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 14952 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	12.6
10°-20°	111.2	25.7
20°-30°	101.3	23.4
30°-40°	64.4	14.9
40°-50°	34.5	8.0
50°-60°	25.2	5.8
60°-70°	21.2	4.9
70°-80°	14.8	3.4
80°-90°	5.9	1.4
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°	266.9	61.6
0°-40°	331.3	76.5
0°-60°	391.1	90.3
0°-90°	433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	641	
5°	602	54
15°	400	111
25°	220	101
35°	102	64
45°	43	34
55°	28	25
65°	21	21
75°	14	15
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	641.1
2.5°	631.1
5°	602.2
7.5°	560.0
10°	508.9
12.5°	454.5
15°	400.0
17.5°	350.0
20°	303.3
22.5°	260.0
25°	220.0
27.5°	184.4
30°	153.3
32.5°	124.4
35°	102.2
37.5°	81.1
40°	65.6
42.5°	52.2
45°	43.3
47.5°	35.6
50°	32.2
52.5°	30.0
55°	27.8
57.5°	26.7
60°	24.4
62.5°	23.3
65°	21.1
67.5°	20.0
70°	17.8
72.5°	15.6
75°	14.4
77.5°	12.2
80°	10.0
82.5°	8.9
85°	5.6
87.5°	2.2
90°	0.0

(END OF REPORT)