

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: P1300248

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLP1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

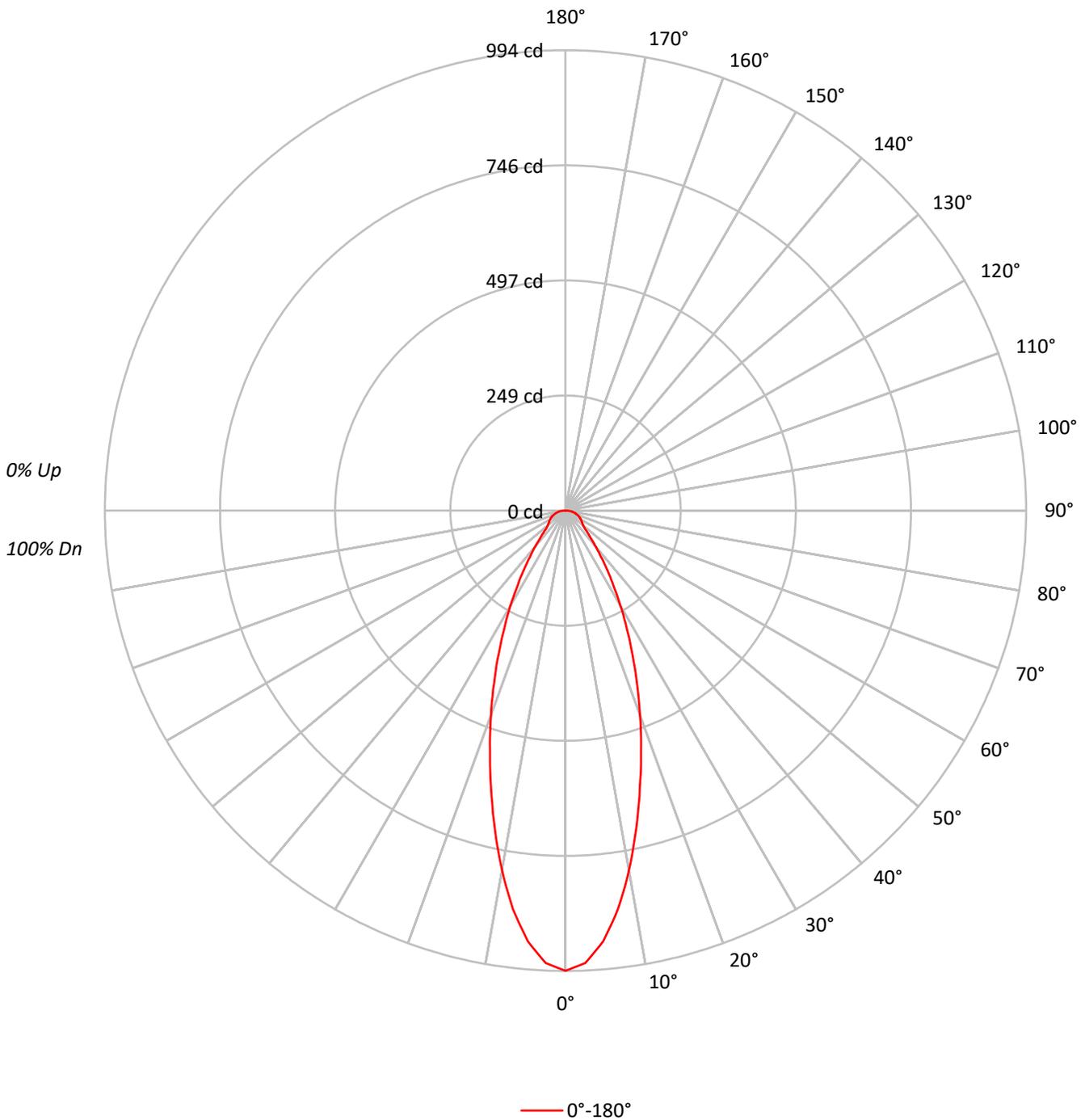
Test Method: LM-79-2019  
Report Number: P1300248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R30W2N902750DE010 E3PHLP1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 671.0 lumens  
Efficiency: N/A  
Efficacy: 34.6 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): 19.4  
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	101	102	100	97	98	96	94	95	93	92	92	92	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	83	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	76	76	76	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	70	70	70	68
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	65	65	65	63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	60	60	60	59
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	56	56	56	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	53	53	53	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	50	50	50	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	47	47	47	46

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

	0°
0°	217855
5°	205436
10°	175592
15°	140727
20°	109700
25°	82481
30°	60161
35°	42402
40°	29083
45°	20839
50°	17023
55°	16439
60°	16621
65°	16967
70°	17695
75°	18978
80°	19573
85°	21637

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 23184 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.4	12.6
10°-20°	172.2	25.7
20°-30°	156.9	23.4
30°-40°	99.9	14.9
40°-50°	53.5	8.0
50°-60°	39.1	5.8
60°-70°	32.9	4.9
70°-80°	23.0	3.4
80°-90°	9.1	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°	413.6	61.6
0°-40°	513.5	76.5
0°-60°	606.1	90.3
0°-90°	671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	994	
5°	933	84
15°	620	172
25°	341	157
35°	158	100
45°	67	53
55°	43	39
65°	33	33
75°	22	23
85°	9	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	993.5
2.5°	978.0
5°	933.3
7.5°	867.8
10°	788.6
12.5°	704.2
15°	619.9
17.5°	542.4
20°	470.1
22.5°	402.9
25°	340.9
27.5°	285.8
30°	237.6
32.5°	192.9
35°	158.4
37.5°	125.7
40°	101.6
42.5°	80.9
45°	67.2
47.5°	55.1
50°	49.9
52.5°	46.5
55°	43.0
57.5°	41.3
60°	37.9
62.5°	36.2
65°	32.7
67.5°	31.0
70°	27.6
72.5°	24.1
75°	22.4
77.5°	18.9
80°	15.5
82.5°	13.8
85°	8.6
87.5°	3.4
90°	0.0

(END OF REPORT)