

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: P1300247

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLP1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

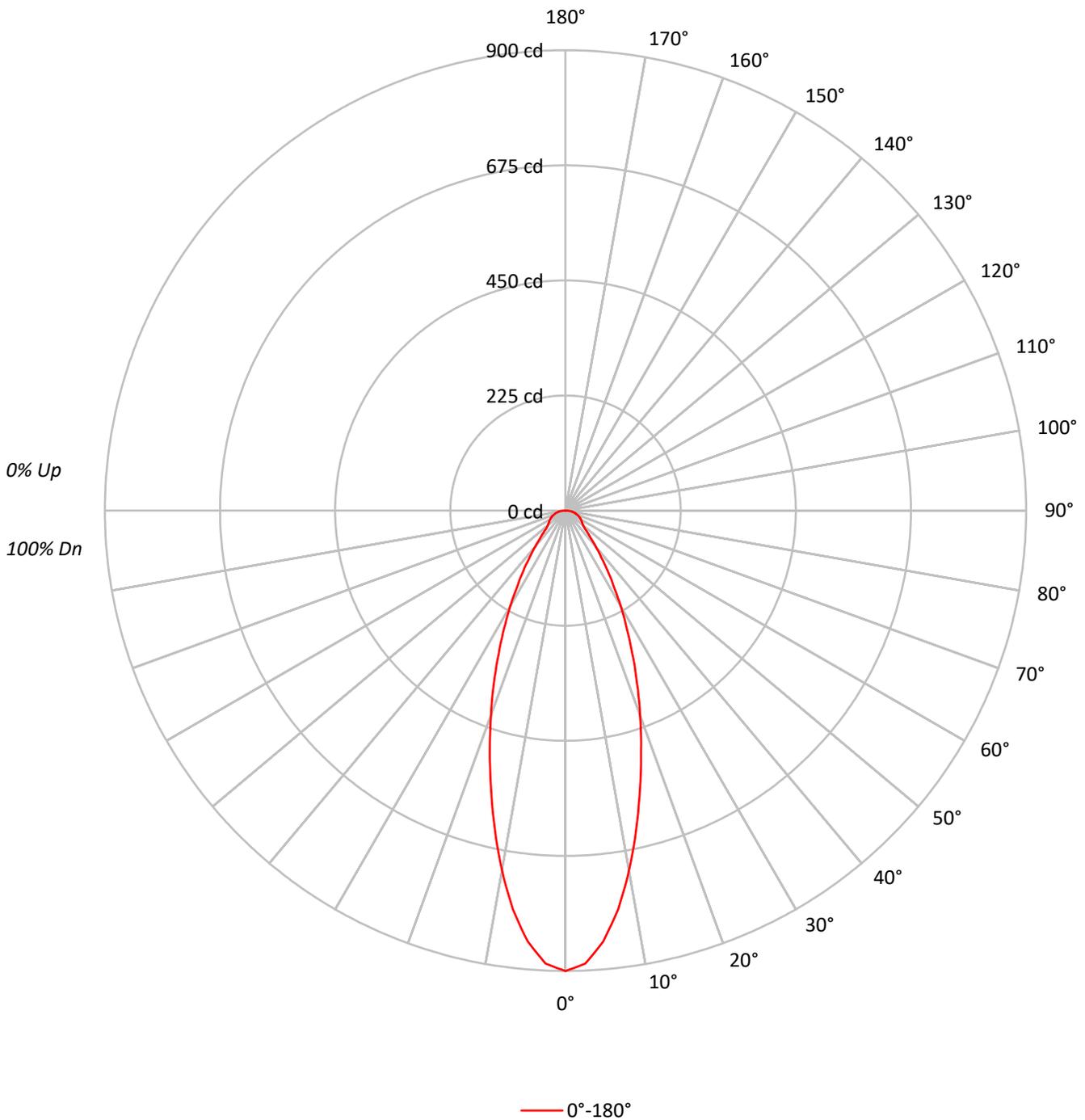
Test Method: LM-79-2019  
Report Number: P1300247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R30W2N902750DE010 E3PHLP1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 607.9 lumens  
Efficiency: N/A  
Efficacy: 31.3 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	100	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68	68	68
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59	59	59	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55	55	55	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	51	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49	49	49	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46	46	46	46

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

	0°
0°	197396
5°	186132
10°	159115
15°	127515
20°	99385
25°	74738
30°	54515
35°	38414
40°	26364
45°	18855
50°	15420
55°	14910
60°	15043
65°	15358
70°	16028
75°	17199
80°	17679
85°	19625

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 21000 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	12.6
10°-20°	156.1	25.7
20°-30°	142.2	23.4
30°-40°	90.5	14.9
40°-50°	48.4	8.0
50°-60°	35.4	5.8
60°-70°	29.8	4.9
70°-80°	20.8	3.4
80°-90°	8.3	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°	374.8	61.6
0°-40°	465.3	76.5
0°-60°	549.1	90.3
0°-90°	607.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	900	
5°	846	77
15°	562	156
25°	309	142
35°	144	90
45°	61	48
55°	39	35
65°	30	30
75°	20	21
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	900.2
2.5°	886.2
5°	845.6
7.5°	786.3
10°	714.6
12.5°	638.1
15°	561.7
17.5°	491.5
20°	425.9
22.5°	365.1
25°	308.9
27.5°	259.0
30°	215.3
32.5°	174.7
35°	143.5
37.5°	113.9
40°	92.1
42.5°	73.3
45°	60.8
47.5°	49.9
50°	45.2
52.5°	42.1
55°	39.0
57.5°	37.4
60°	34.3
62.5°	32.8
65°	29.6
67.5°	28.1
70°	25.0
72.5°	21.8
75°	20.3
77.5°	17.2
80°	14.0
82.5°	12.5
85°	7.8
87.5°	3.1
90°	0.0

(END OF REPORT)