

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: P1299583

Luminaire Tested: P3A17R20W2N902750DE010 E3PHLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

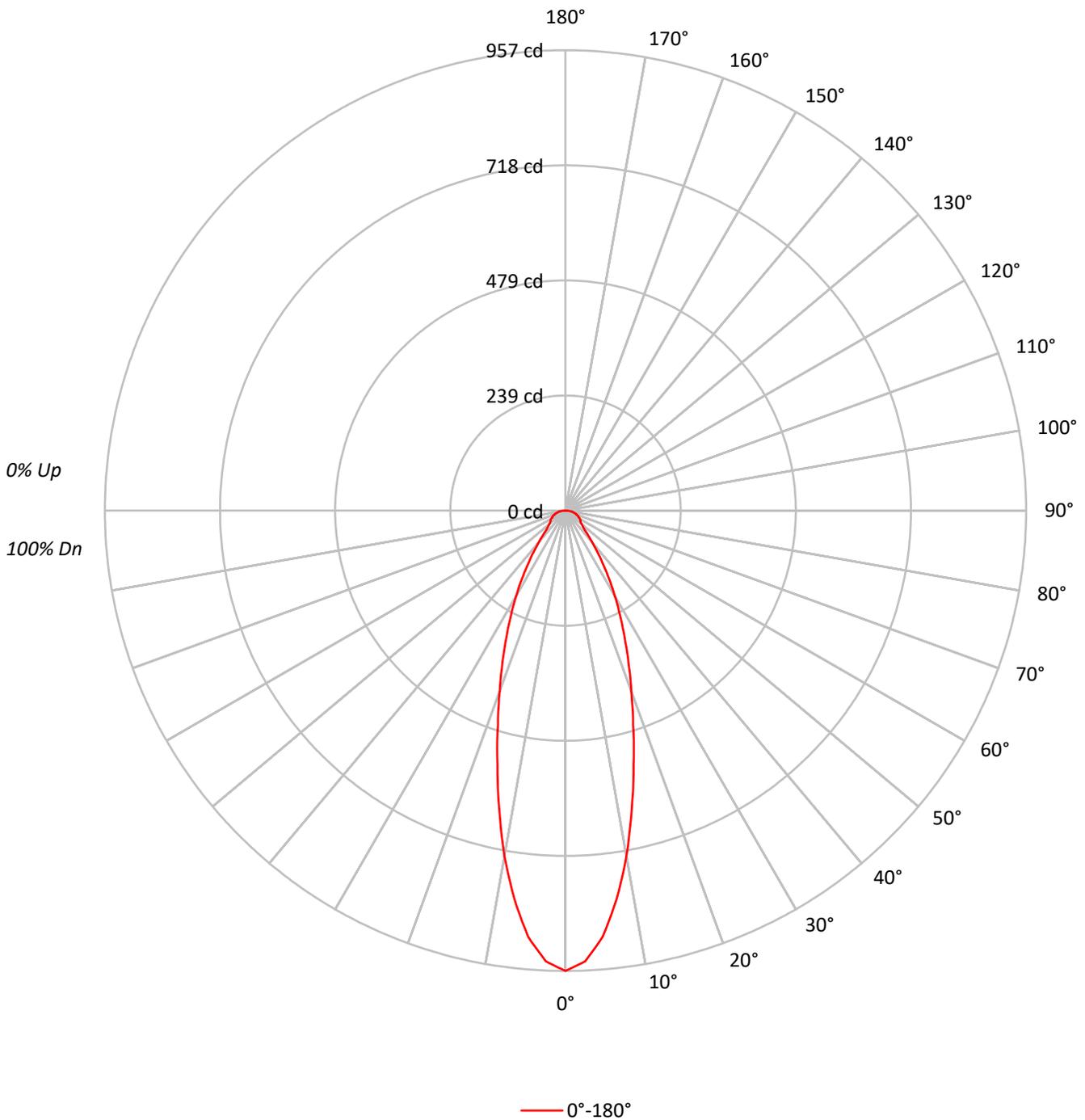
Test Method: LM-79-2019  
Report Number: P1299583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R20W2N902750DE010 E3PHLP1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 30.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46	46	46

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

	0°
0°	209808
5°	195707
10°	162388
15°	124178
20°	93201
25°	70165
30°	51881
35°	36246
40°	24847
45°	17242
50°	14805
55°	14604
60°	15218
65°	15306
70°	15580
75°	16182
80°	17553
85°	17360

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 20496 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.6	13.5
10°-20°	152.1	25.8
20°-30°	133.8	22.7
30°-40°	86.4	14.6
40°-50°	45.8	7.8
50°-60°	34.4	5.8
60°-70°	29.2	5.0
70°-80°	20.6	3.5
80°-90°	8.0	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°	365.5	62.0
0°-40°	451.9	76.6
0°-60°	532.1	90.2
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	957	
5°	889	80
15°	547	152
25°	290	134
35°	135	86
45°	56	46
55°	38	34
65°	30	29
75°	19	21
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	956.8
2.5°	937.7
5°	889.1
7.5°	814.4
10°	729.3
12.5°	635.6
15°	547.0
17.5°	467.1
20°	399.4
22.5°	342.1
25°	290.0
27.5°	244.8
30°	204.9
32.5°	168.4
35°	135.4
37.5°	109.4
40°	86.8
42.5°	69.5
45°	55.6
47.5°	48.6
50°	43.4
52.5°	39.9
55°	38.2
57.5°	36.5
60°	34.7
62.5°	31.3
65°	29.5
67.5°	27.8
70°	24.3
72.5°	22.6
75°	19.1
77.5°	17.4
80°	13.9
82.5°	12.2
85°	6.9
87.5°	3.5
90°	0.0

(END OF REPORT)