

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: P1295786

Luminaire Tested: P3A13R20W2N902750DE010 E3PHLP1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

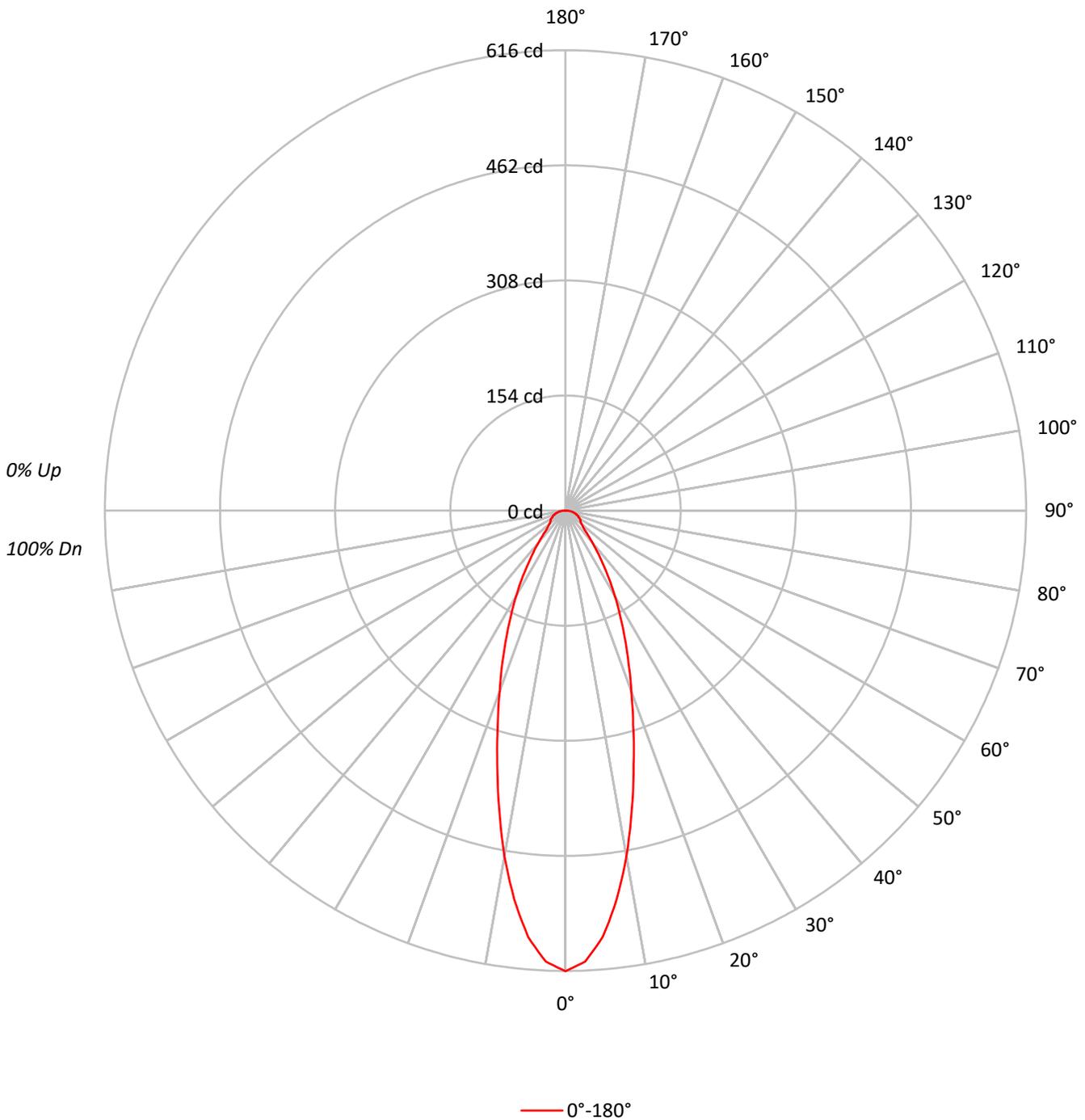
Test Method: LM-79-2019  
Report Number: P1295786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3PHLP1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 380.0 lumens  
Efficiency: N/A  
Efficacy: 30.9 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): 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	
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46

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

	0°
0°	135143
5°	126040
10°	104585
15°	79978
20°	60019
25°	45196
30°	33423
35°	23343
40°	16001
45°	11102
50°	9552
55°	9405
60°	9824
65°	9858
70°	10066
75°	10421
80°	11239
85°	11322

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 13104 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	13.5
10°-20°	98.0	25.8
20°-30°	86.2	22.7
30°-40°	55.6	14.6
40°-50°	29.5	7.8
50°-60°	22.2	5.8
60°-70°	18.8	5.0
70°-80°	13.3	3.5
80°-90°	5.2	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°	235.4	62.0
0°-40°	291.1	76.6
0°-60°	342.7	90.2
0°-90°	380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	616	
5°	573	51
15°	352	98
25°	187	86
35°	87	56
45°	36	29
55°	25	22
65°	19	19
75°	12	13
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	616.3
2.5°	603.9
5°	572.6
7.5°	524.5
10°	469.7
12.5°	409.3
15°	352.3
17.5°	300.9
20°	257.2
22.5°	220.3
25°	186.8
27.5°	157.7
30°	132.0
32.5°	108.5
35°	87.2
37.5°	70.5
40°	55.9
42.5°	44.7
45°	35.8
47.5°	31.3
50°	28.0
52.5°	25.7
55°	24.6
57.5°	23.5
60°	22.4
62.5°	20.1
65°	19.0
67.5°	17.9
70°	15.7
72.5°	14.5
75°	12.3
77.5°	11.2
80°	8.9
82.5°	7.8
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)