

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: P1270183

Luminaire Tested: P3A17R309740DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

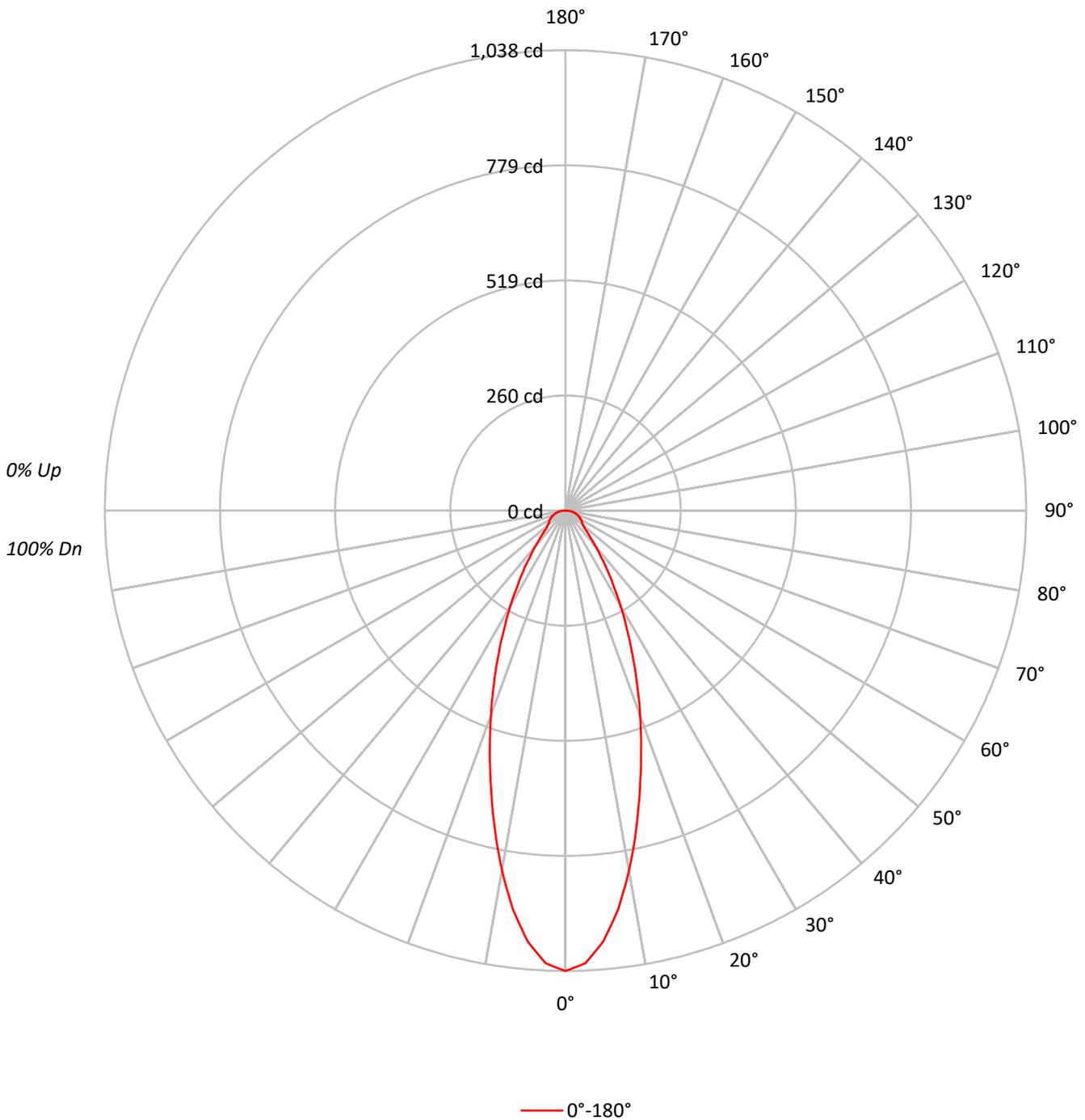
Test Method: LM-79-2019  
Report Number: P1270183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R309740DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 701.1 lumens  
Efficiency: N/A  
Efficacy: 33.1 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): 21.2  
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°	227591
5°	214615
10°	183452
15°	147016
20°	114600
25°	86182
30°	62845
35°	44303
40°	30371
45°	21770
50°	17808
55°	17204
60°	17367
65°	17745
70°	18465
75°	19825
80°	20457
85°	22644

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 24192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	12.6
10°-20°	179.9	25.7
20°-30°	164.0	23.4
30°-40°	104.3	14.9
40°-50°	55.9	8.0
50°-60°	40.9	5.8
60°-70°	34.3	4.9
70°-80°	24.0	3.4
80°-90°	9.6	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°	432.1	61.6
0°-40°	536.5	76.5
0°-60°	633.2	90.3
0°-90°	701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1038	
5°	975	88
15°	648	180
25°	356	164
35°	166	104
45°	70	56
55°	45	41
65°	34	34
75°	23	24
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1037.9
2.5°	1021.8
5°	975.0
7.5°	906.6
10°	823.9
12.5°	735.7
15°	647.6
17.5°	566.6
20°	491.1
22.5°	420.9
25°	356.2
27.5°	298.6
30°	248.2
32.5°	201.5
35°	165.5
37.5°	131.3
40°	106.1
42.5°	84.5
45°	70.2
47.5°	57.6
50°	52.2
52.5°	48.6
55°	45.0
57.5°	43.2
60°	39.6
62.5°	37.8
65°	34.2
67.5°	32.4
70°	28.8
72.5°	25.2
75°	23.4
77.5°	19.8
80°	16.2
82.5°	14.4
85°	9.0
87.5°	3.6
90°	0.0

(END OF REPORT)