

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: P1263816

Luminaire Tested: P3A02R209730DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

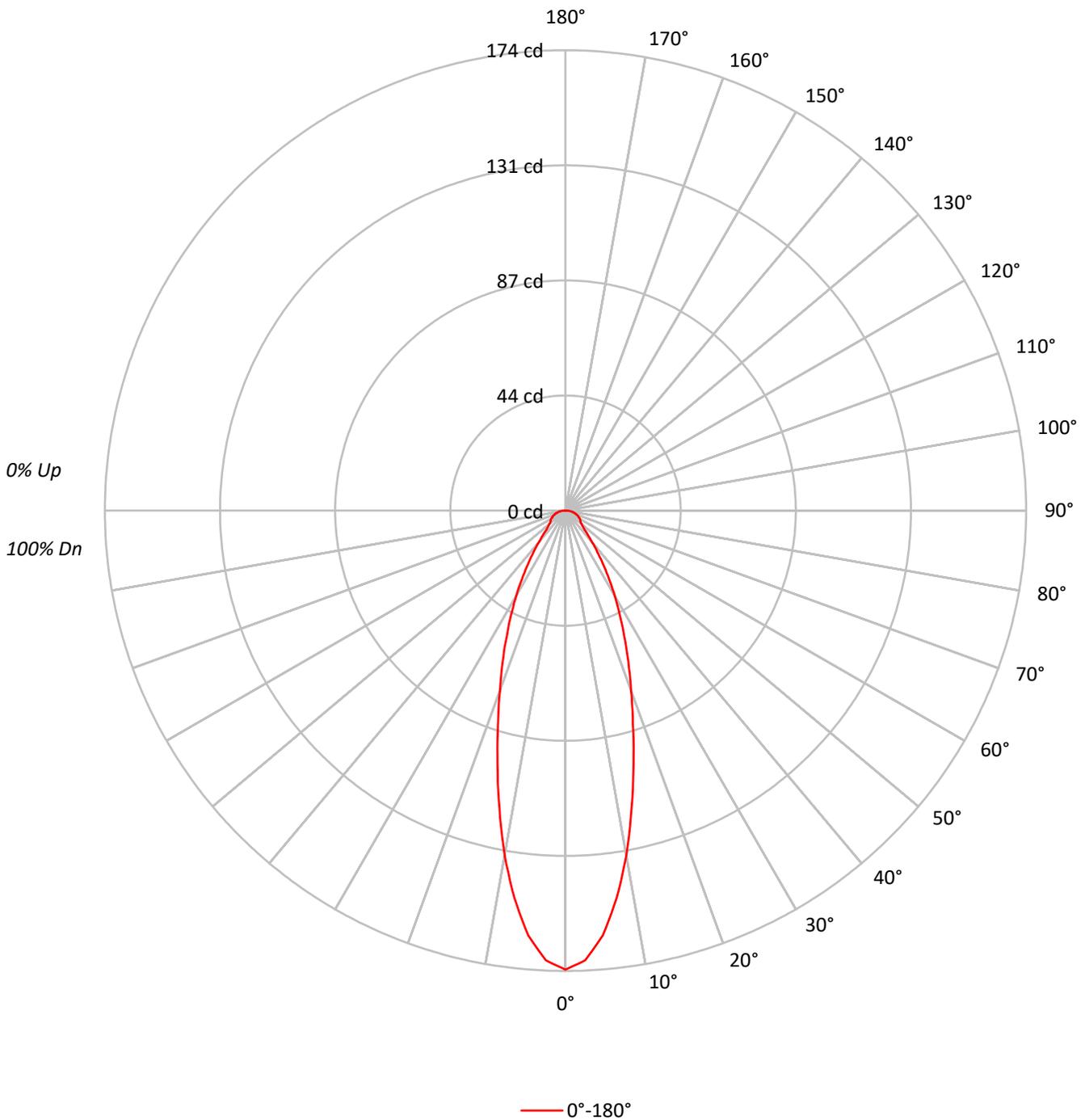
Test Method: LM-79-2019  
Report Number: P1263816  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R209730DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 107.0 lumens  
Efficiency: N/A  
Efficacy: 29.7 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): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	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	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	51	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46	46	46	46

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

	0°
0°	38045
5°	35483
10°	29458
15°	22520
20°	16895
25°	12727
30°	9419
35°	6585
40°	4494
45°	3132
50°	2695
55°	2638
60°	2763
65°	2802
70°	2821
75°	2965
80°	3157
85°	3271

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 3696 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.4	13.5
10°-20°	27.6	25.8
20°-30°	24.3	22.7
30°-40°	15.7	14.6
40°-50°	8.3	7.8
50°-60°	6.2	5.8
60°-70°	5.3	5.0
70°-80°	3.7	3.5
80°-90°	1.5	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°	66.3	62.0
0°-40°	81.9	76.6
0°-60°	96.5	90.2
0°-90°	107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	107.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	174	
5°	161	14
15°	99	28
25°	53	24
35°	25	16
45°	10	8
55°	7	6
65°	5	5
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	173.5
2.5°	170.1
5°	161.2
7.5°	147.7
10°	132.3
12.5°	115.3
15°	99.2
17.5°	84.7
20°	72.4
22.5°	62.0
25°	52.6
27.5°	44.4
30°	37.2
32.5°	30.5
35°	24.6
37.5°	19.8
40°	15.7
42.5°	12.6
45°	10.1
47.5°	8.8
50°	7.9
52.5°	7.2
55°	6.9
57.5°	6.6
60°	6.3
62.5°	5.7
65°	5.4
67.5°	5.0
70°	4.4
72.5°	4.1
75°	3.5
77.5°	3.1
80°	2.5
82.5°	2.2
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)