

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: P1265016

Luminaire Tested: P3A13R209730DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

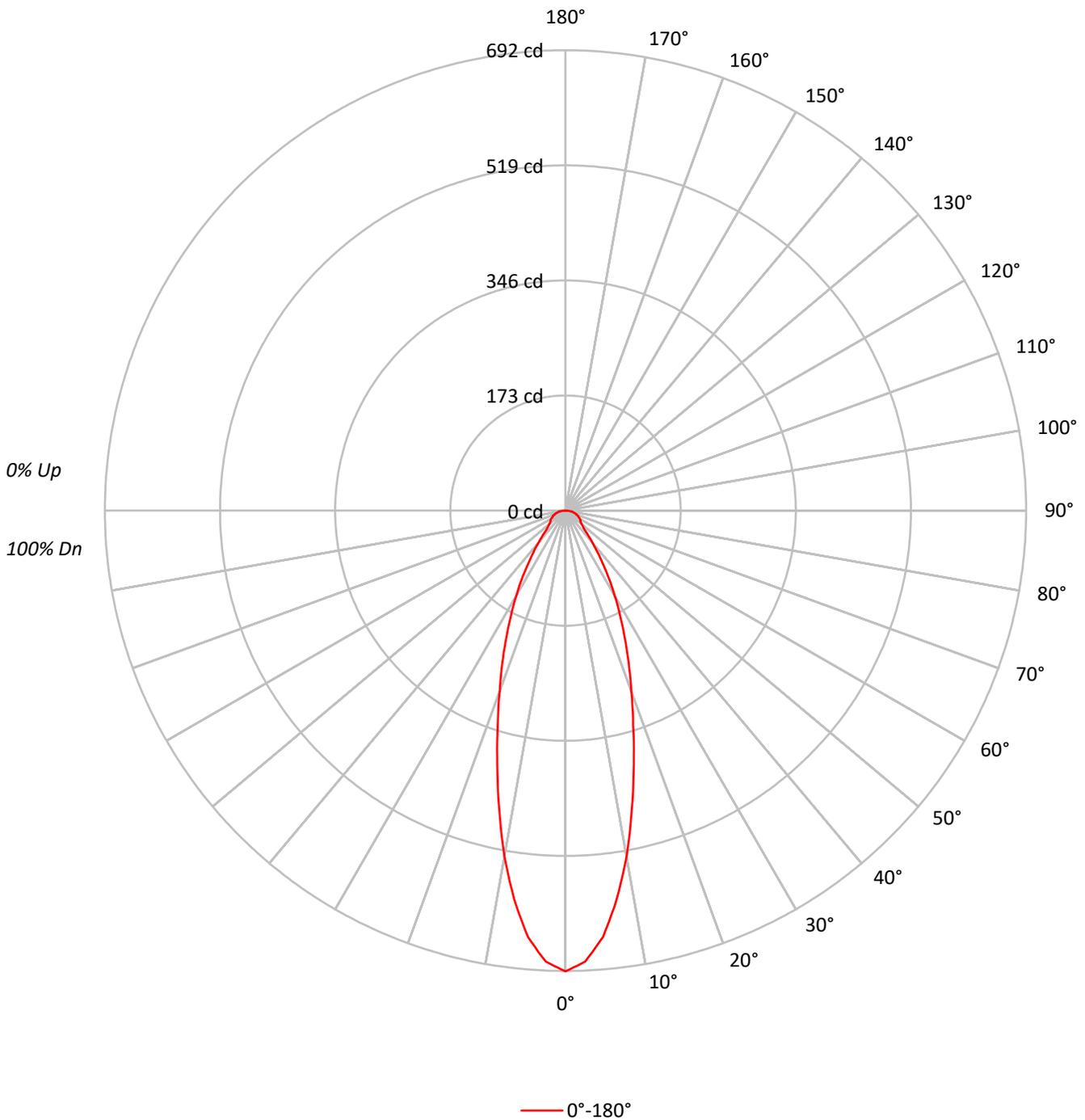
Test Method: LM-79-2019  
Report Number: P1265016  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R209730DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 427.0 lumens  
Efficiency: N/A  
Efficacy: 29.2 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): 14.6  
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				
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	95	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	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68			68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63			63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52			52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46			46

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

	0°
0°	151852
5°	141646
10°	117522
15°	89876
20°	67463
25°	50785
30°	37550
35°	26234
40°	17977
45°	12466
50°	10712
55°	10552
60°	11008
65°	11104
70°	11284
75°	11692
80°	12754
85°	12580

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 14784 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	13.5
10°-20°	110.1	25.8
20°-30°	96.8	22.7
30°-40°	62.5	14.6
40°-50°	33.1	7.8
50°-60°	24.9	5.8
60°-70°	21.2	5.0
70°-80°	14.9	3.5
80°-90°	5.8	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°	264.6	62.0
0°-40°	327.1	76.6
0°-60°	385.1	90.2
0°-90°	427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	692	
5°	644	58
15°	396	110
25°	210	97
35°	98	63
45°	40	33
55°	28	25
65°	21	21
75°	14	15
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	692.5
2.5°	678.6
5°	643.5
7.5°	589.4
10°	527.8
12.5°	460.0
15°	395.9
17.5°	338.1
20°	289.1
22.5°	247.6
25°	209.9
27.5°	177.2
30°	148.3
32.5°	121.9
35°	98.0
37.5°	79.2
40°	62.8
42.5°	50.3
45°	40.2
47.5°	35.2
50°	31.4
52.5°	28.9
55°	27.6
57.5°	26.4
60°	25.1
62.5°	22.6
65°	21.4
67.5°	20.1
70°	17.6
72.5°	16.3
75°	13.8
77.5°	12.6
80°	10.1
82.5°	8.8
85°	5.0
87.5°	2.5
90°	0.0

(END OF REPORT)