

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: P1247632

Luminaire Tested: P3A20R309024D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

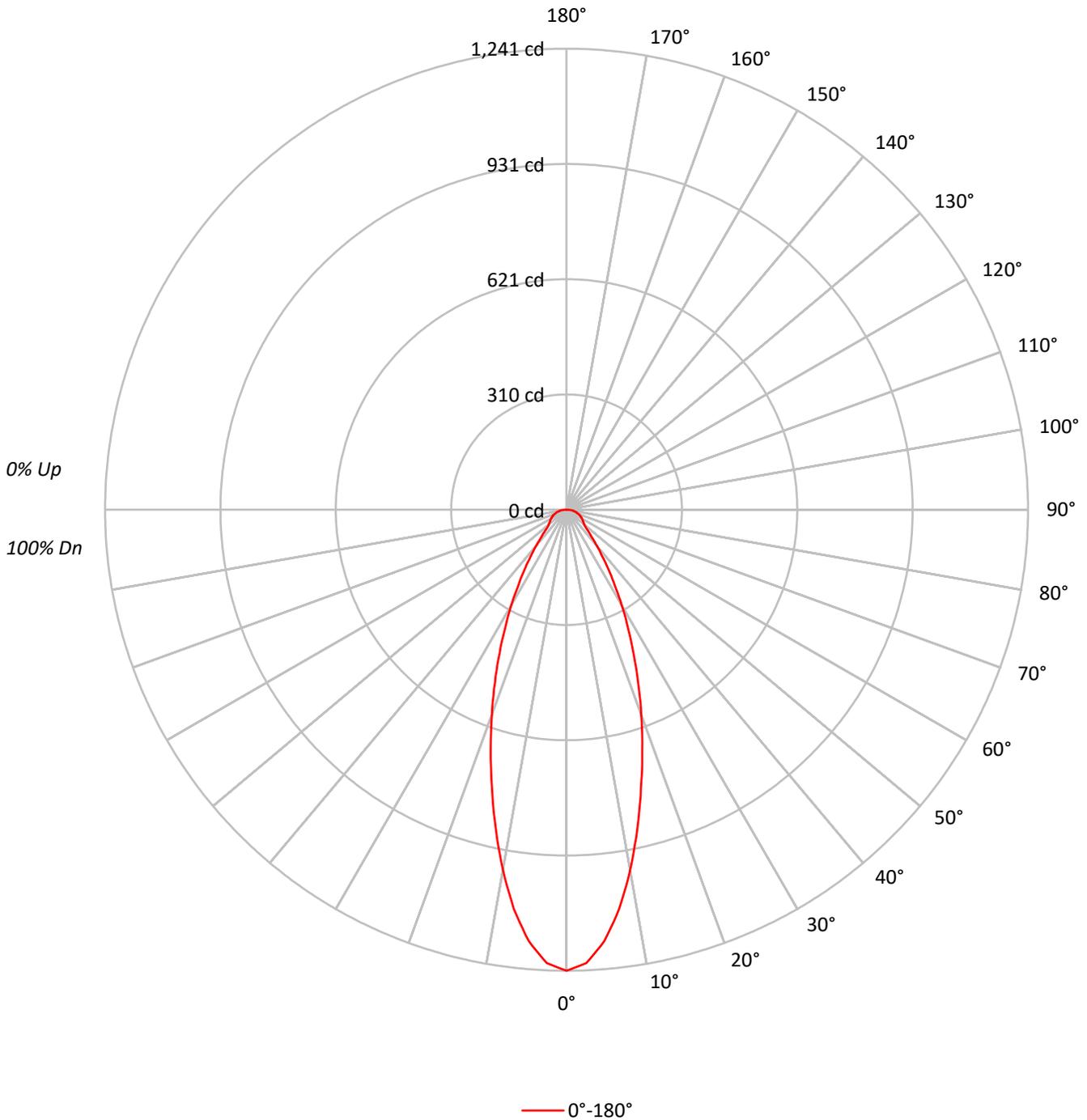
Test Method: LM-79-2019  
Report Number: P1247632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R309024D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 838.1 lumens  
Efficiency: N/A  
Efficacy: 29.1 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): 28.8  
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	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	94	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	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68	68	68
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59	59	59	59
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55	55	55	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	51	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49	49	49	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46	46	46	46

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

	0°
0°	272083
5°	256548
10°	219301
15°	175756
20°	137002
25°	103022
30°	75151
35°	52950
40°	36325
45°	26018
50°	21287
55°	20568
60°	20744
65°	21221
70°	22055
75°	23723
80°	24498
85°	27172

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 28896 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	12.6
10°-20°	215.1	25.7
20°-30°	196.0	23.4
30°-40°	124.7	14.9
40°-50°	66.8	8.0
50°-60°	48.9	5.8
60°-70°	41.0	4.9
70°-80°	28.7	3.4
80°-90°	11.4	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°	516.6	61.6
0°-40°	641.3	76.5
0°-60°	757.0	90.3
0°-90°	838.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1241	
5°	1166	105
15°	774	215
25°	426	196
35°	198	125
45°	84	67
55°	54	49
65°	41	41
75°	28	29
85°	11	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1240.8
2.5°	1221.4
5°	1165.5
7.5°	1083.8
10°	984.9
12.5°	879.5
15°	774.2
17.5°	677.4
20°	587.1
22.5°	503.2
25°	425.8
27.5°	357.0
30°	296.8
32.5°	240.8
35°	197.8
37.5°	157.0
40°	126.9
42.5°	101.1
45°	83.9
47.5°	68.8
50°	62.4
52.5°	58.1
55°	53.8
57.5°	51.6
60°	47.3
62.5°	45.2
65°	40.9
67.5°	38.7
70°	34.4
72.5°	30.1
75°	28.0
77.5°	23.7
80°	19.4
82.5°	17.2
85°	10.8
87.5°	4.3
90°	0.0

(END OF REPORT)