

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: P1263360

Luminaire Tested: P3A20R209727D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

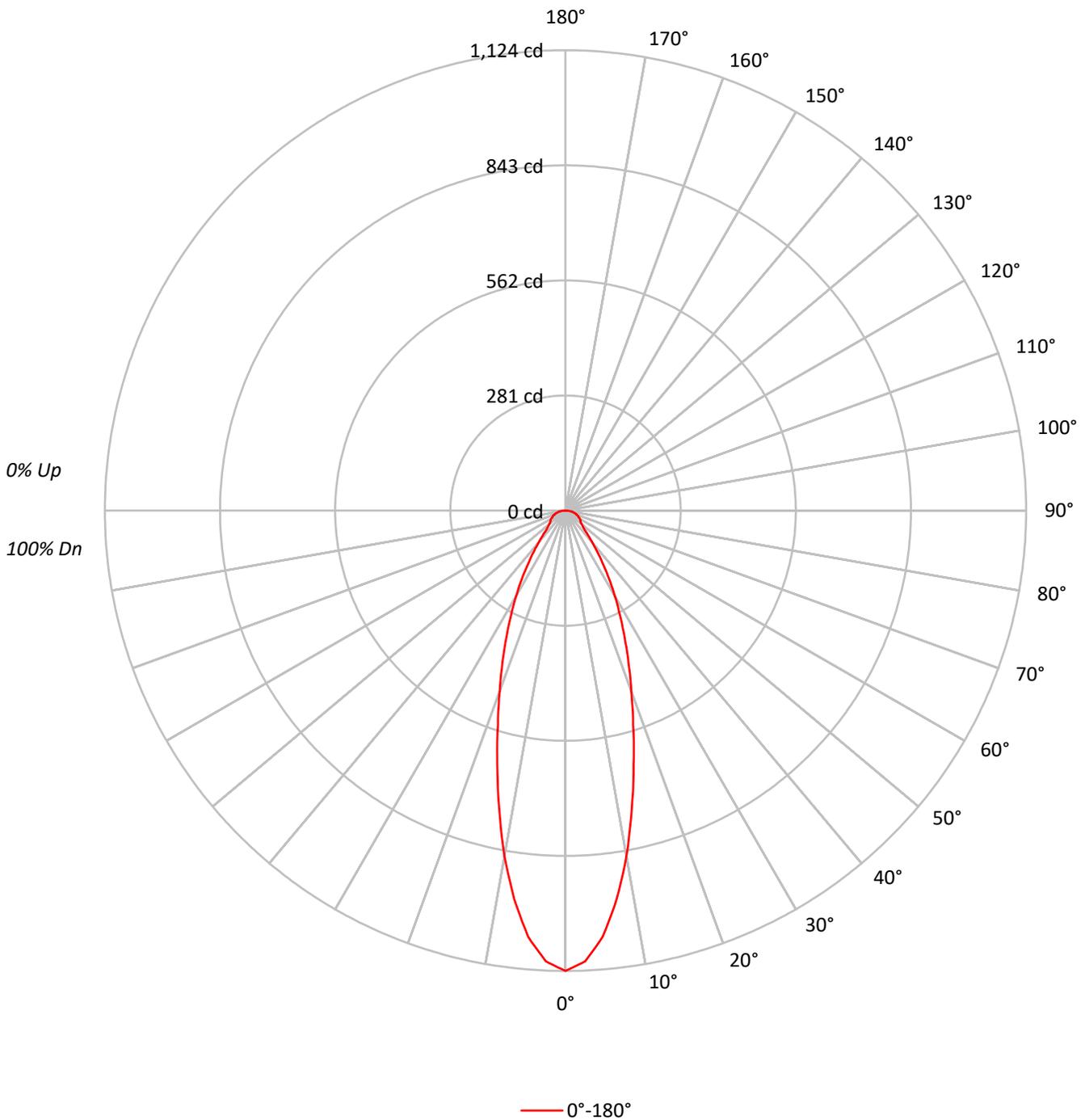
Test Method: LM-79-2019  
Report Number: P1263360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R209727D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 693.0 lumens  
Efficiency: N/A  
Efficacy: 24.1 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): 28.8  
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	50	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°	246428
5°	229870
10°	190756
15°	145858
20°	109466
25°	82408
30°	60946
35°	42590
40°	29198
45°	20250
50°	17398
55°	17165
60°	17893
65°	18005
70°	18336
75°	18978
80°	20583
85°	20631

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 24024 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.6	13.5
10°-20°	178.7	25.8
20°-30°	157.2	22.7
30°-40°	101.4	14.6
40°-50°	53.8	7.8
50°-60°	40.4	5.8
60°-70°	34.4	5.0
70°-80°	24.2	3.5
80°-90°	9.5	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°	429.4	62.0
0°-40°	530.8	76.6
0°-60°	625.0	90.2
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1124	
5°	1044	94
15°	642	179
25°	341	157
35°	159	101
45°	65	54
55°	45	40
65°	35	34
75°	22	24
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1123.8
2.5°	1101.4
5°	1044.3
7.5°	956.6
10°	856.7
12.5°	746.5
15°	642.5
17.5°	548.7
20°	469.1
22.5°	401.8
25°	340.6
27.5°	287.6
30°	240.7
32.5°	197.8
35°	159.1
37.5°	128.5
40°	102.0
42.5°	81.6
45°	65.3
47.5°	57.1
50°	51.0
52.5°	46.9
55°	44.9
57.5°	42.8
60°	40.8
62.5°	36.7
65°	34.7
67.5°	32.6
70°	28.6
72.5°	26.5
75°	22.4
77.5°	20.4
80°	16.3
82.5°	14.3
85°	8.2
87.5°	4.1
90°	0.0

(END OF REPORT)