

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: P1254999

Luminaire Tested: P3AS17R209035DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

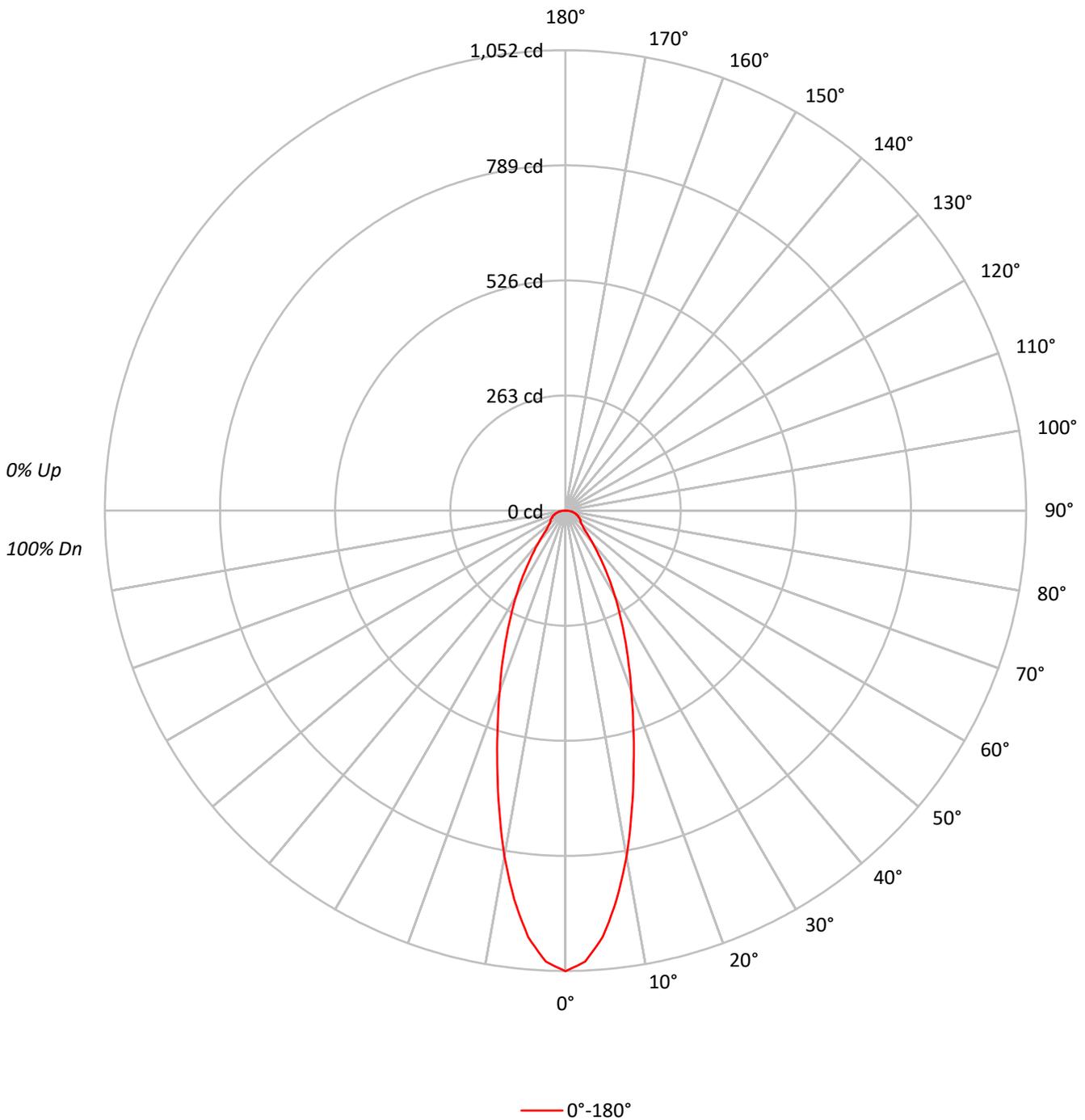
Test Method: LM-79-2019  
Report Number: P1254999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R209035DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 649.0 lumens  
Efficiency: N/A  
Efficacy: 30.6 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): 21.2  
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	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°	230793
5°	215276
10°	178643
15°	136596
20°	102512
25°	77182
30°	57072
35°	39886
40°	27337
45°	18948
50°	16307
55°	16057
60°	16753
65°	16863
70°	17118
75°	17792
80°	19321
85°	19121

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 22512 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.6	13.5
10°-20°	167.3	25.8
20°-30°	147.2	22.7
30°-40°	95.0	14.6
40°-50°	50.4	7.8
50°-60°	37.8	5.8
60°-70°	32.2	5.0
70°-80°	22.7	3.5
80°-90°	8.8	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°	402.1	62.0
0°-40°	497.1	76.6
0°-60°	585.3	90.2
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1052	
5°	978	88
15°	602	167
25°	319	147
35°	149	95
45°	61	50
55°	42	38
65°	32	32
75°	21	23
85°	8	9
90°	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1052.5
2.5°	1031.5
5°	978.0
7.5°	895.9
10°	802.3
12.5°	699.1
15°	601.7
17.5°	513.8
20°	439.3
22.5°	376.3
25°	319.0
27.5°	269.3
30°	225.4
32.5°	185.3
35°	149.0
37.5°	120.3
40°	95.5
42.5°	76.4
45°	61.1
47.5°	53.5
50°	47.8
52.5°	43.9
55°	42.0
57.5°	40.1
60°	38.2
62.5°	34.4
65°	32.5
67.5°	30.6
70°	26.7
72.5°	24.8
75°	21.0
77.5°	19.1
80°	15.3
82.5°	13.4
85°	7.6
87.5°	3.8
90°	0.0

(END OF REPORT)