

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: P1248019

Luminaire Tested: P3AS02R209027DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

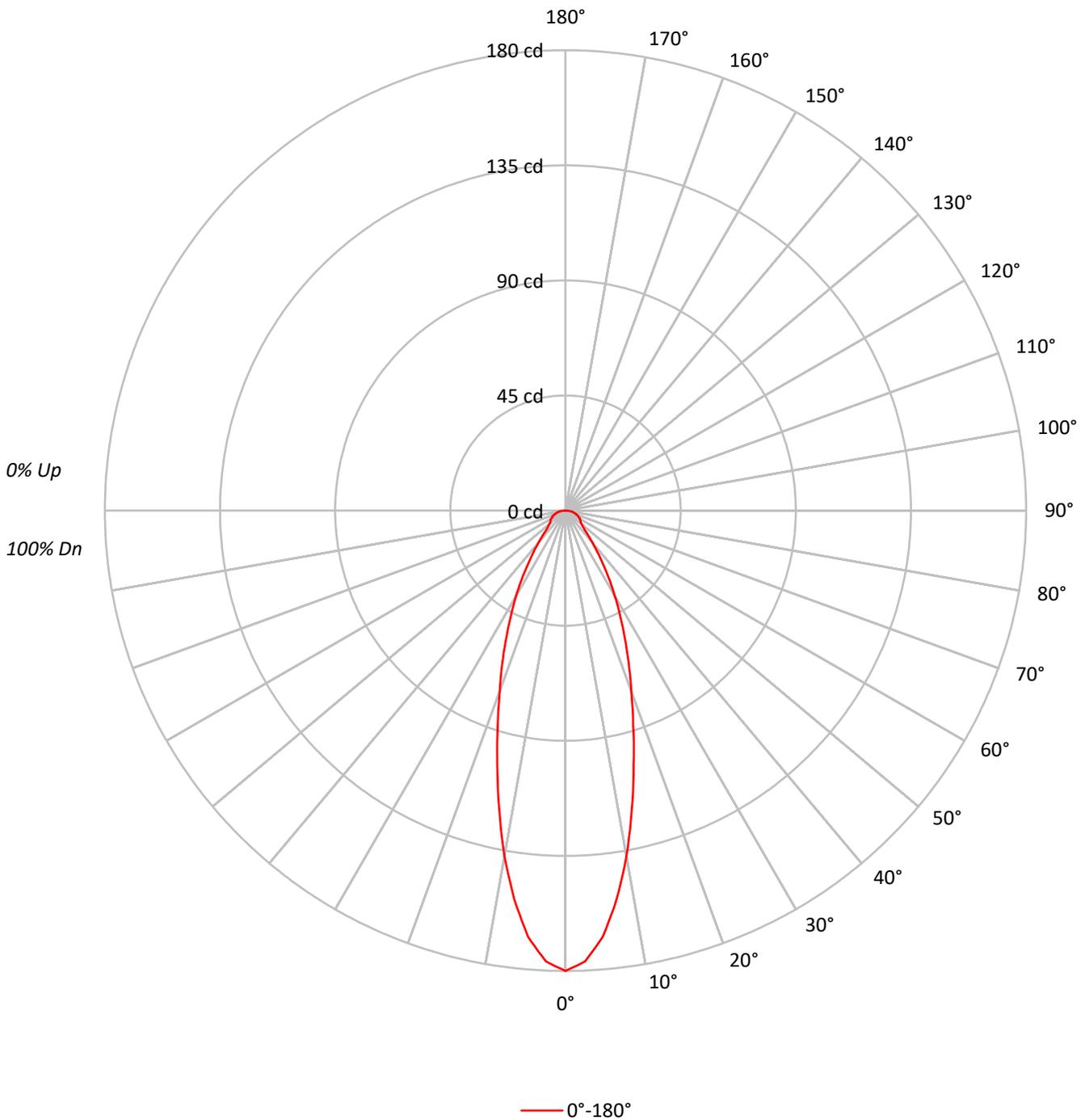
Test Method: LM-79-2019  
Report Number: P1248019  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS02R209027DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 111.1 lumens  
Efficiency: N/A  
Efficacy: 30.8 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

TEST NUMBER: P1248019  
CATALOG NUMBER: P3AS02R209027DE010 E3PHLP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1248019

CATALOG NUMBER: P3AS02R209027DE010 E3PHLP1MW

**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	65	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	61	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	63	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	56	52	48	56	51	48	46	46	46	46

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

	0°
0°	39471
5°	36826
10°	30549
15°	23360
20°	17525
25°	13210
30°	9774
35°	6826
40°	4666
45°	3256
50°	2797
55°	2753
60°	2851
65°	2906
70°	2949
75°	3050
80°	3283
85°	3271

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 3864 cd/sqm



TEST NUMBER: P1248019

CATALOG NUMBER: P3AS02R209027DE010 E3PHLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	13.5
10°-20°	28.6	25.8
20°-30°	25.2	22.7
30°-40°	16.3	14.6
40°-50°	8.6	7.8
50°-60°	6.5	5.8
60°-70°	5.5	5.0
70°-80°	3.9	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°	68.8	61.9
0°-40°	85.0	76.6
0°-60°	100.1	90.2
0°-90°	111.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	111.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	180	
5°	167	15
15°	103	29
25°	55	25
35°	26	16
45°	10	9
55°	7	6
65°	6	6
75°	4	4
85°	1	2
90°	0	



TEST NUMBER: P1248019

CATALOG NUMBER: P3AS02R209027DE010 E3PHLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	180.0
2.5°	176.4
5°	167.3
7.5°	153.2
10°	137.2
12.5°	119.6
15°	102.9
17.5°	87.9
20°	75.1
22.5°	64.4
25°	54.6
27.5°	46.1
30°	38.6
32.5°	31.7
35°	25.5
37.5°	20.6
40°	16.3
42.5°	13.1
45°	10.5
47.5°	9.1
50°	8.2
52.5°	7.5
55°	7.2
57.5°	6.9
60°	6.5
62.5°	5.9
65°	5.6
67.5°	5.2
70°	4.6
72.5°	4.2
75°	3.6
77.5°	3.3
80°	2.6
82.5°	2.3
85°	1.3
87.5°	0.7
90°	0.0

(END OF REPORT)