

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: P1245644

Luminaire Tested: P3A02R209024DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

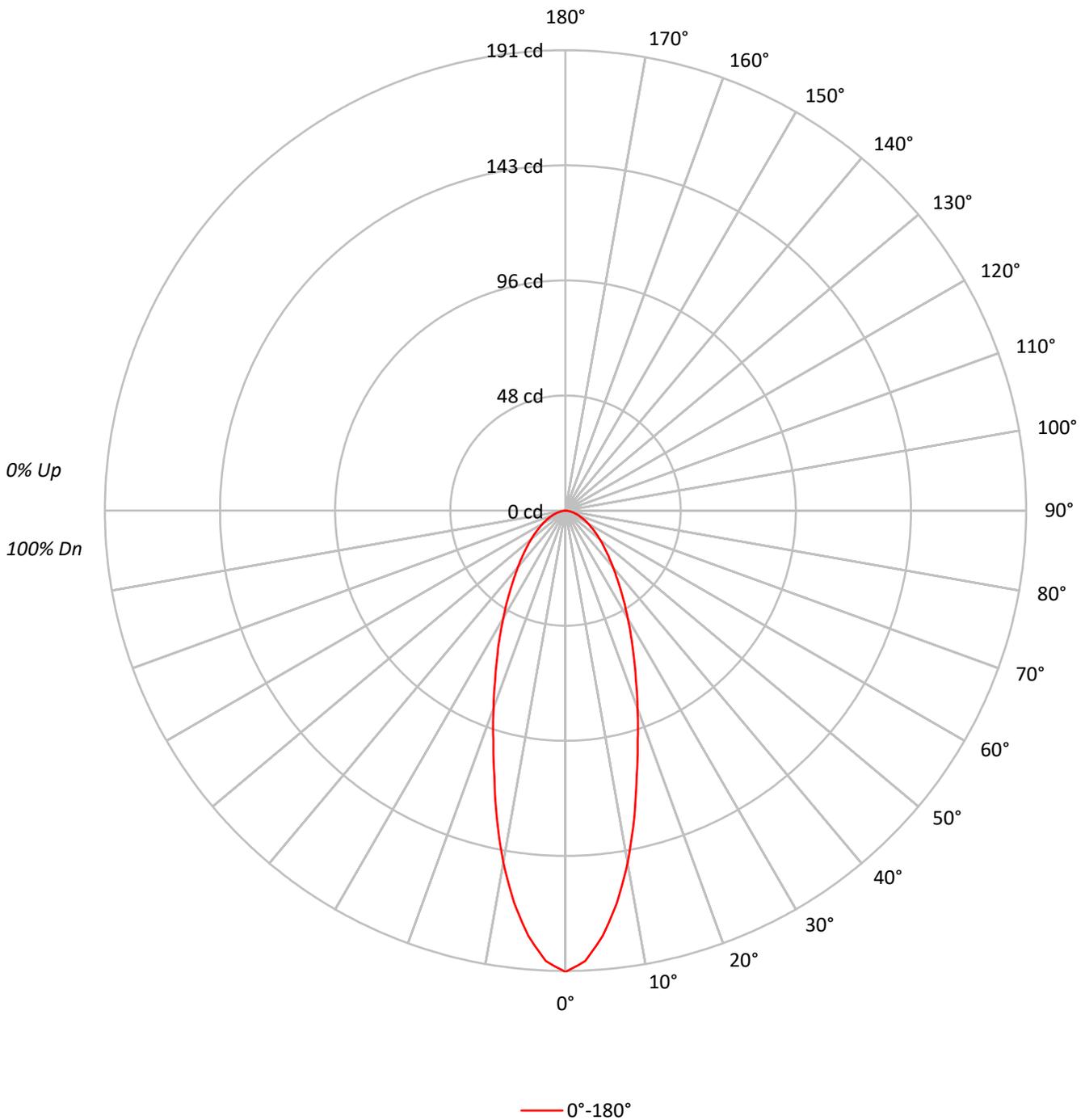
Test Method: LM-79-2019  
Report Number: P1245644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R209024DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 148.0 lumens  
Efficiency: N/A  
Efficacy: 41.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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

TEST NUMBER: P1245644  
CATALOG NUMBER: P3A02R209024DE010 E3PHLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1245644

CATALOG NUMBER: P3A02R209024DE010 E3PHLD1MW

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55	55	55
7	76	66	59	54	75	65	58	53	63	58	53	62	57	53	61	56	53	51	51	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47	47	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41

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

	0°
0°	41970
5°	38983
10°	33021
15°	25857
20°	20348
25°	16211
30°	13040
35°	10627
40°	8788
45°	7412
50°	6345
55°	5467
60°	4780
65°	4203
70°	3590
75°	3135
80°	2399
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7412 cd/sqm



TEST NUMBER: P1245644  
 CATALOG NUMBER: P3A02R209024DE010 E3PHLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.0	10.8
10°-20°	31.9	21.5
20°-30°	30.9	20.9
30°-40°	25.0	16.9
40°-50°	18.6	12.6
50°-60°	12.9	8.7
60°-70°	8.1	5.5
70°-80°	3.9	2.7
80°-90°	0.7	0.4
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°	78.8	53.3
0°-40°	103.8	70.1
0°-60°	135.3	91.4
0°-90°	148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	148.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	191	
5°	177	16
15°	114	32
25°	67	31
35°	40	25
45°	24	19
55°	14	13
65°	8	8
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P1245644  
CATALOG NUMBER: P3A02R209024DE010 E3PHLD1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	191.4
2.5°	187.1
5°	177.1
7.5°	163.8
10°	148.3
12.5°	131.2
15°	113.9
17.5°	99.6
20°	87.2
22.5°	76.3
25°	67.0
27.5°	58.9
30°	51.5
32.5°	45.3
35°	39.7
37.5°	34.7
40°	30.7
42.5°	27.0
45°	23.9
47.5°	21.1
50°	18.6
52.5°	16.4
55°	14.3
57.5°	12.4
60°	10.9
62.5°	9.6
65°	8.1
67.5°	6.8
70°	5.6
72.5°	4.7
75°	3.7
77.5°	2.8
80°	1.9
82.5°	0.9
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)