

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: P1249272

Luminaire Tested: P3AS13R309027DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

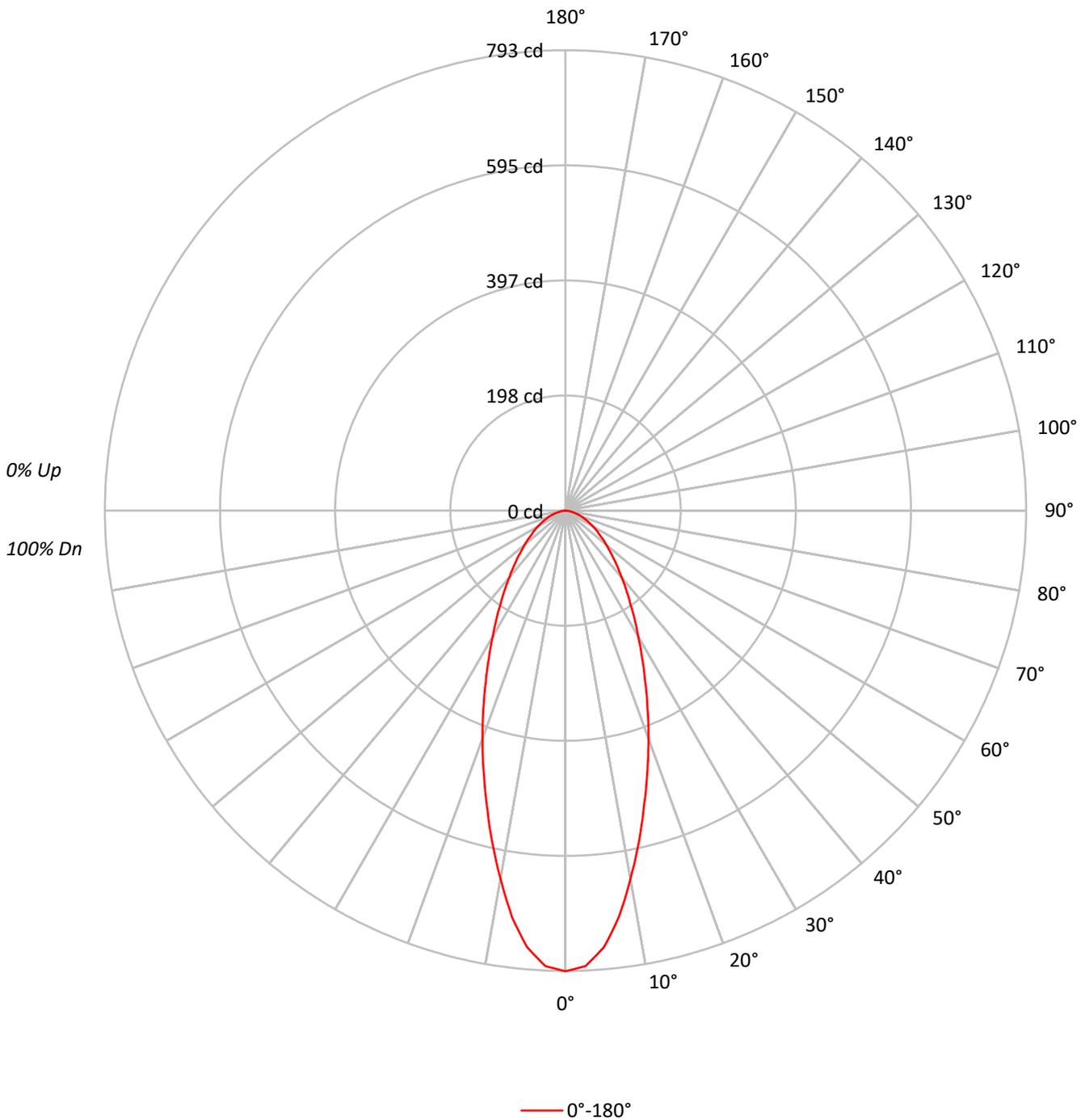
Test Method: LM-79-2019  
Report Number: P1249272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R309027DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 706.0 lumens  
Efficiency: N/A  
Efficacy: 48.4 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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

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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			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46			
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

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

	0°
0°	173977
5°	166277
10°	143418
15°	118888
20°	97448
25°	78561
30°	63326
35°	51879
40°	43109
45°	36531
50°	31248
55°	27029
60°	24121
65°	21066
70°	18465
75°	15504
80°	11618
85°	6542

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 36531 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.5	9.7
10°-20°	146.0	20.7
20°-30°	149.7	21.2
30°-40°	122.4	17.3
40°-50°	91.5	13.0
50°-60°	64.3	9.1
60°-70°	40.4	5.7
70°-80°	19.5	2.8
80°-90°	3.7	0.5
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°	364.2	51.6
0°-40°	486.6	68.9
0°-60°	642.3	91.0
0°-90°	706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	793	
5°	755	68
15°	524	146
25°	325	150
35°	194	122
45°	118	91
55°	71	64
65°	41	40
75°	18	19
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	793.4
2.5°	785.5
5°	755.4
7.5°	705.6
10°	644.1
12.5°	583.9
15°	523.7
17.5°	468.7
20°	417.6
22.5°	369.2
25°	324.7
27.5°	285.4
30°	250.1
32.5°	221.3
35°	193.8
37.5°	171.5
40°	150.6
42.5°	133.5
45°	117.8
47.5°	103.4
50°	91.6
52.5°	81.2
55°	70.7
57.5°	62.8
60°	55.0
62.5°	47.1
65°	40.6
67.5°	34.0
70°	28.8
72.5°	23.6
75°	18.3
77.5°	13.1
80°	9.2
82.5°	5.2
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)