

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: P1256986

Luminaire Tested: P3AS09R309040DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

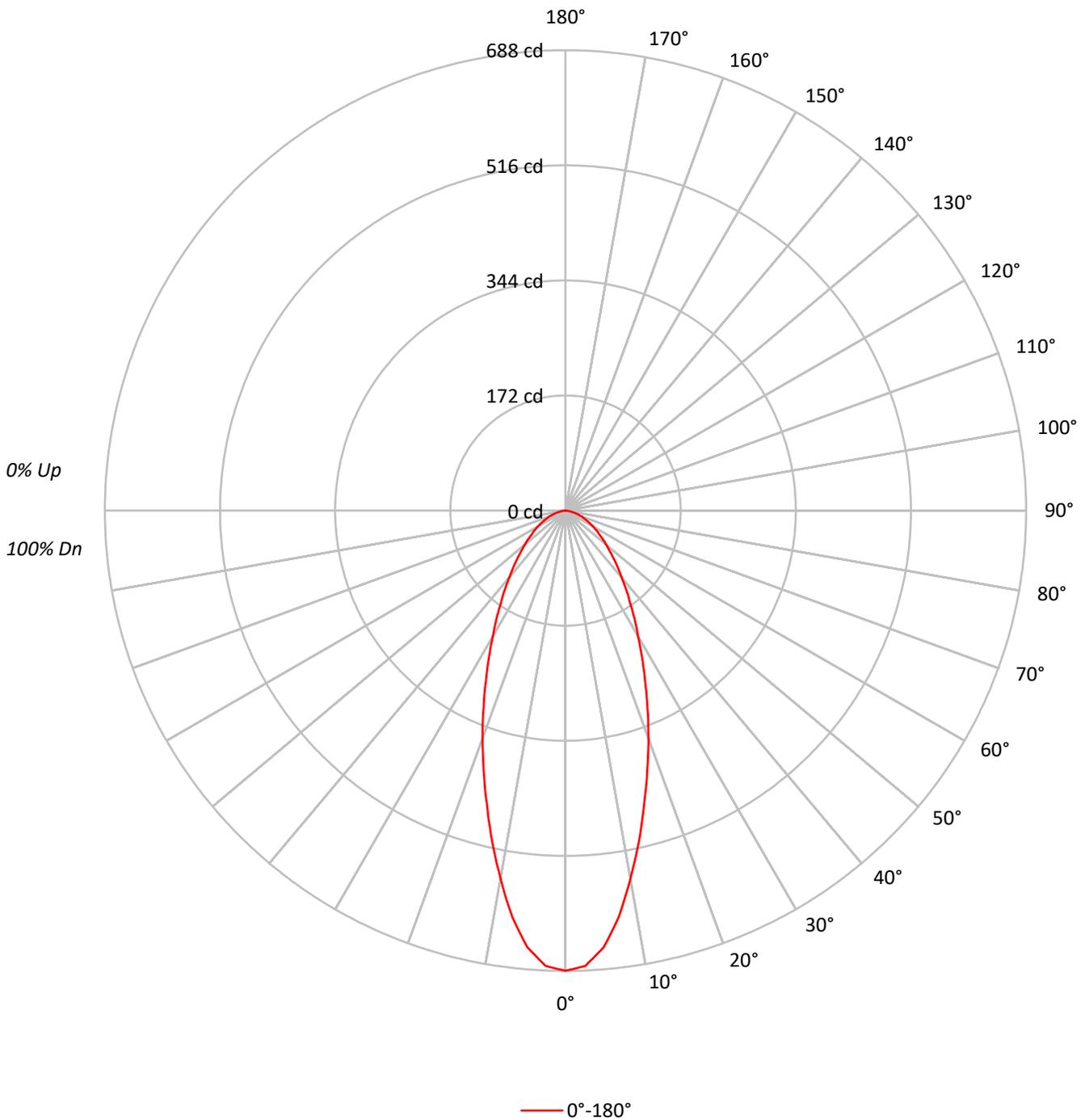
Test Method: LM-79-2019  
Report Number: P1256986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R309040DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 612.0 lumens  
Efficiency: N/A  
Efficacy: 55.1 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): 11.1  
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

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

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

	0°
0°	150799
5°	144133
10°	124335
15°	103043
20°	84474
25°	68085
30°	54895
35°	44972
40°	37356
45°	31662
50°	27087
55°	23435
60°	20919
65°	18264
70°	16028
75°	13471
80°	9976
85°	5787

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31662 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	9.7
10°-20°	126.6	20.7
20°-30°	129.7	21.2
30°-40°	106.1	17.3
40°-50°	79.3	13.0
50°-60°	55.7	9.1
60°-70°	35.1	5.7
70°-80°	16.9	2.8
80°-90°	3.2	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°	315.7	51.6
0°-40°	421.8	68.9
0°-60°	556.8	91.0
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	688	
5°	655	59
15°	454	127
25°	281	130
35°	168	106
45°	102	79
55°	61	56
65°	35	35
75°	16	17
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	687.7
2.5°	680.9
5°	654.8
7.5°	611.7
10°	558.4
12.5°	506.2
15°	453.9
17.5°	406.3
20°	362.0
22.5°	320.0
25°	281.4
27.5°	247.4
30°	216.8
32.5°	191.8
35°	168.0
37.5°	148.7
40°	130.5
42.5°	115.8
45°	102.1
47.5°	89.7
50°	79.4
52.5°	70.4
55°	61.3
57.5°	54.5
60°	47.7
62.5°	40.9
65°	35.2
67.5°	29.5
70°	25.0
72.5°	20.4
75°	15.9
77.5°	11.3
80°	7.9
82.5°	4.5
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)