

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: P1274727

Luminaire Tested: P3AS20R309830D010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

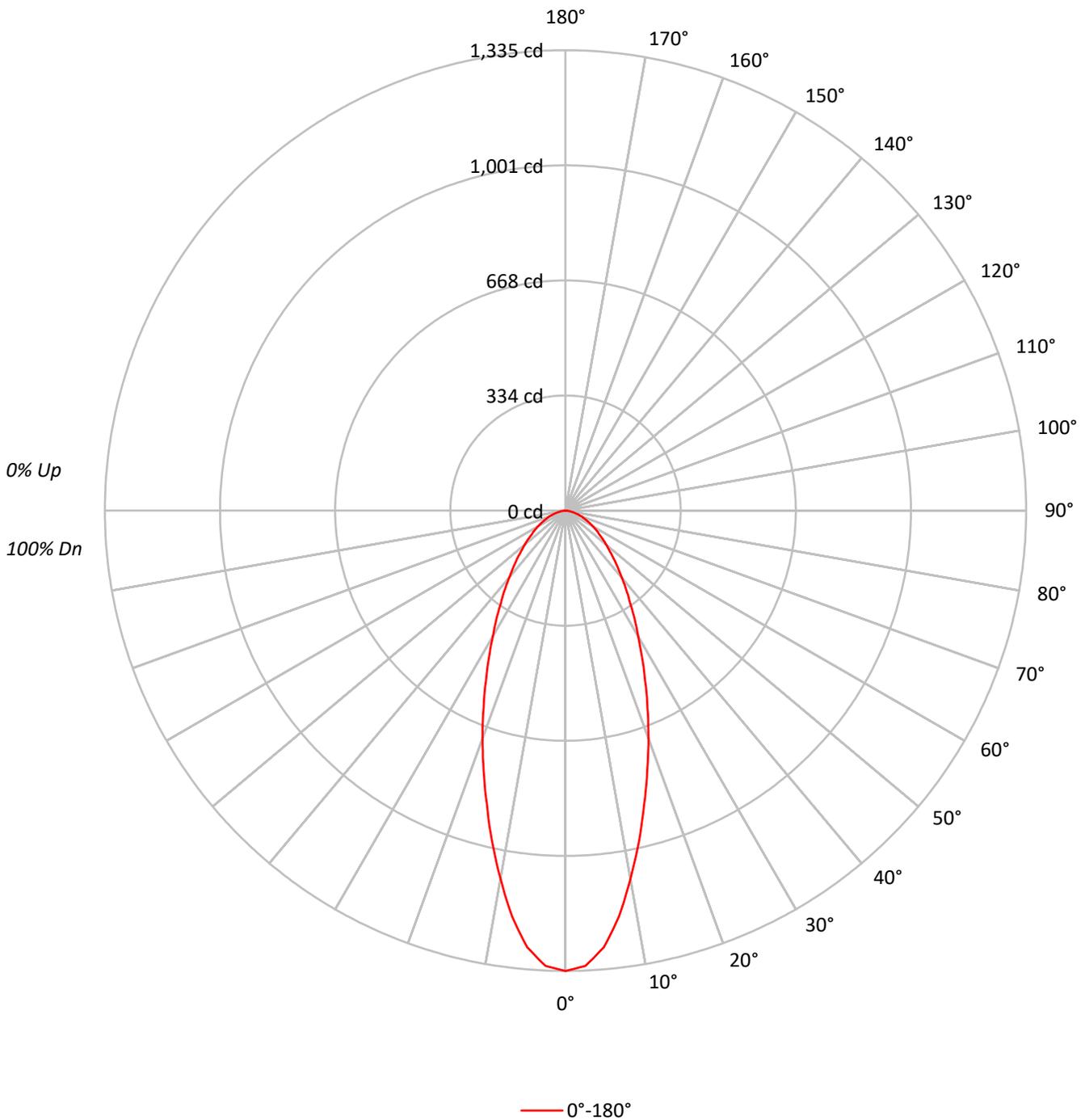
Test Method: LM-79-2019  
Report Number: P1274727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309830D010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1188.0 lumens  
Efficiency: N/A  
Efficacy: 43.4 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): 27.4  
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	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°	292740
5°	279792
10°	241345
15°	200047
20°	163978
25°	132177
30°	106548
35°	87268
40°	72507
45°	61495
50°	52604
55°	45494
60°	40567
65°	35438
70°	31095
75°	26095
80°	19447
85°	11070

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 61495 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.2	9.7
10°-20°	245.7	20.7
20°-30°	251.8	21.2
30°-40°	205.9	17.3
40°-50°	154.0	13.0
50°-60°	108.2	9.1
60°-70°	68.1	5.7
70°-80°	32.8	2.8
80°-90°	6.3	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°	612.8	51.6
0°-40°	818.7	68.9
0°-60°	1080.8	91.0
0°-90°	1188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1335	
5°	1271	115
15°	881	246
25°	546	252
35°	326	206
45°	198	154
55°	119	108
65°	68	68
75°	31	33
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1335.0
2.5°	1321.8
5°	1271.1
7.5°	1187.4
10°	1083.9
12.5°	982.5
15°	881.2
17.5°	788.7
20°	702.7
22.5°	621.2
25°	546.3
27.5°	480.2
30°	420.8
32.5°	372.3
35°	326.0
37.5°	288.6
40°	253.3
42.5°	224.7
45°	198.3
47.5°	174.0
50°	154.2
52.5°	136.6
55°	119.0
57.5°	105.7
60°	92.5
62.5°	79.3
65°	68.3
67.5°	57.3
70°	48.5
72.5°	39.7
75°	30.8
77.5°	22.0
80°	15.4
82.5°	8.8
85°	4.4
87.5°	2.2
90°	0.0

(END OF REPORT)