

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: P1272567

Luminaire Tested: P3AS20R159827D010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

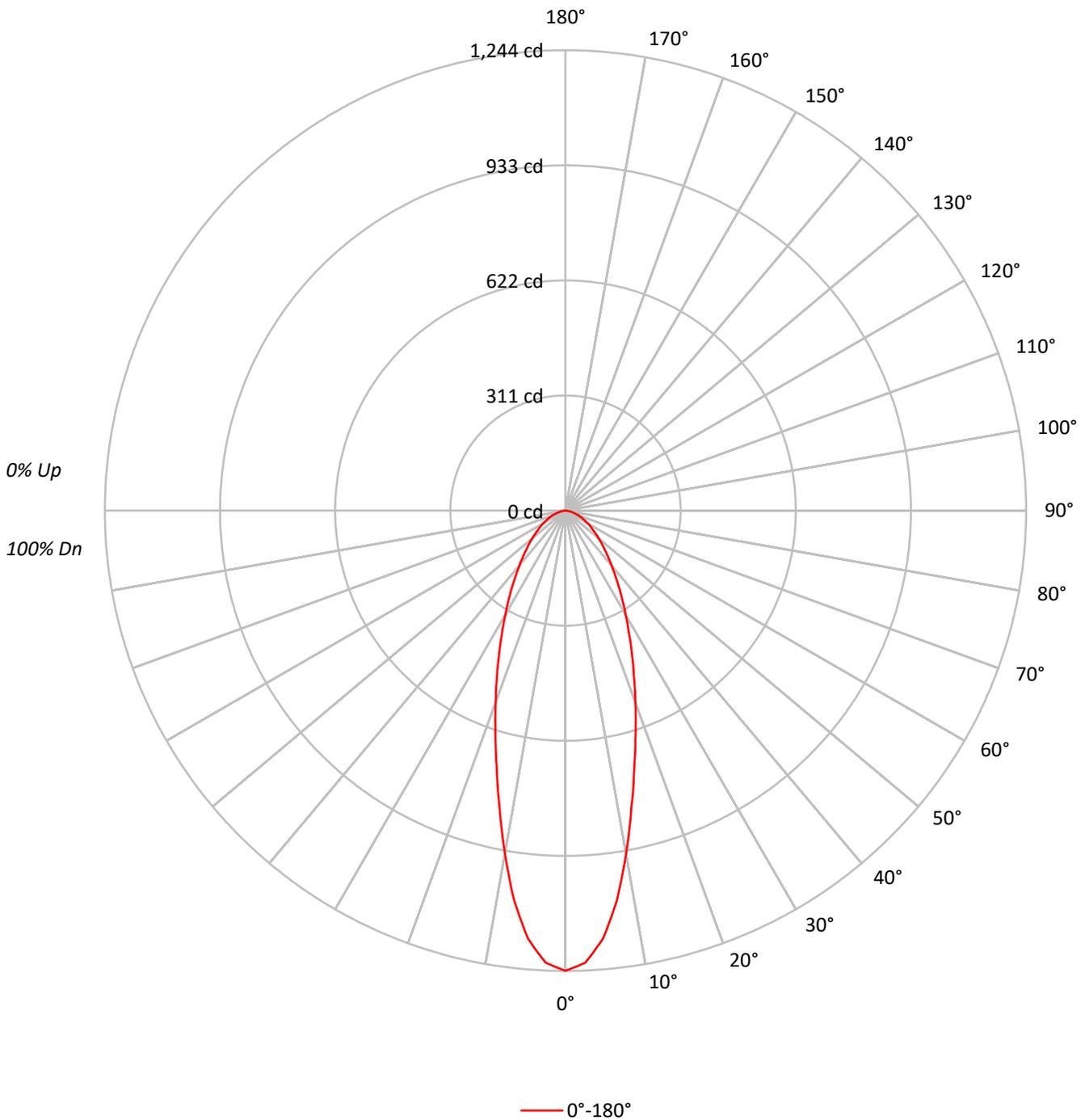
Test Method: LM-79-2019  
Report Number: P1272567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159827D010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 937.0 lumens  
Efficiency: N/A  
Efficacy: 34.2 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66  
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	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	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	42	42

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

	0°
0°	272676
5°	255623
10°	209593
15°	162839
20°	128531
25°	102441
30°	82215
35°	67137
40°	55304
45°	46516
50°	39982
55°	34560
60°	30655
65°	26670
70°	23722
75°	19148
80°	15532
85°	10315

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 46516 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	11.1
10°-20°	200.9	21.4
20°-30°	195.3	20.8
30°-40°	157.8	16.8
40°-50°	117.2	12.5
50°-60°	81.9	8.7
60°-70°	51.3	5.5
70°-80°	24.4	2.6
80°-90°	4.5	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°	499.9	53.4
0°-40°	657.8	70.2
0°-60°	856.9	91.4
0°-90°	937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1244	
5°	1161	104
15°	717	201
25°	423	195
35°	251	158
45°	150	117
55°	90	82
65°	51	51
75°	23	24
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1243.5
2.5°	1222.9
5°	1161.3
7.5°	1062.6
10°	941.3
12.5°	822.1
15°	717.3
17.5°	628.9
20°	550.8
22.5°	483.0
25°	423.4
27.5°	370.0
30°	324.7
32.5°	285.7
35°	250.8
37.5°	219.9
40°	193.2
42.5°	170.6
45°	150.0
47.5°	133.6
50°	117.2
52.5°	102.8
55°	90.4
57.5°	80.2
60°	69.9
62.5°	59.6
65°	51.4
67.5°	43.2
70°	37.0
72.5°	28.8
75°	22.6
77.5°	16.4
80°	12.3
82.5°	6.2
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)