

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: P1258235

Luminaire Tested: P3AS20R559040D010 E3D1MW

Issue Date: 1/30/2026

**Test Information**

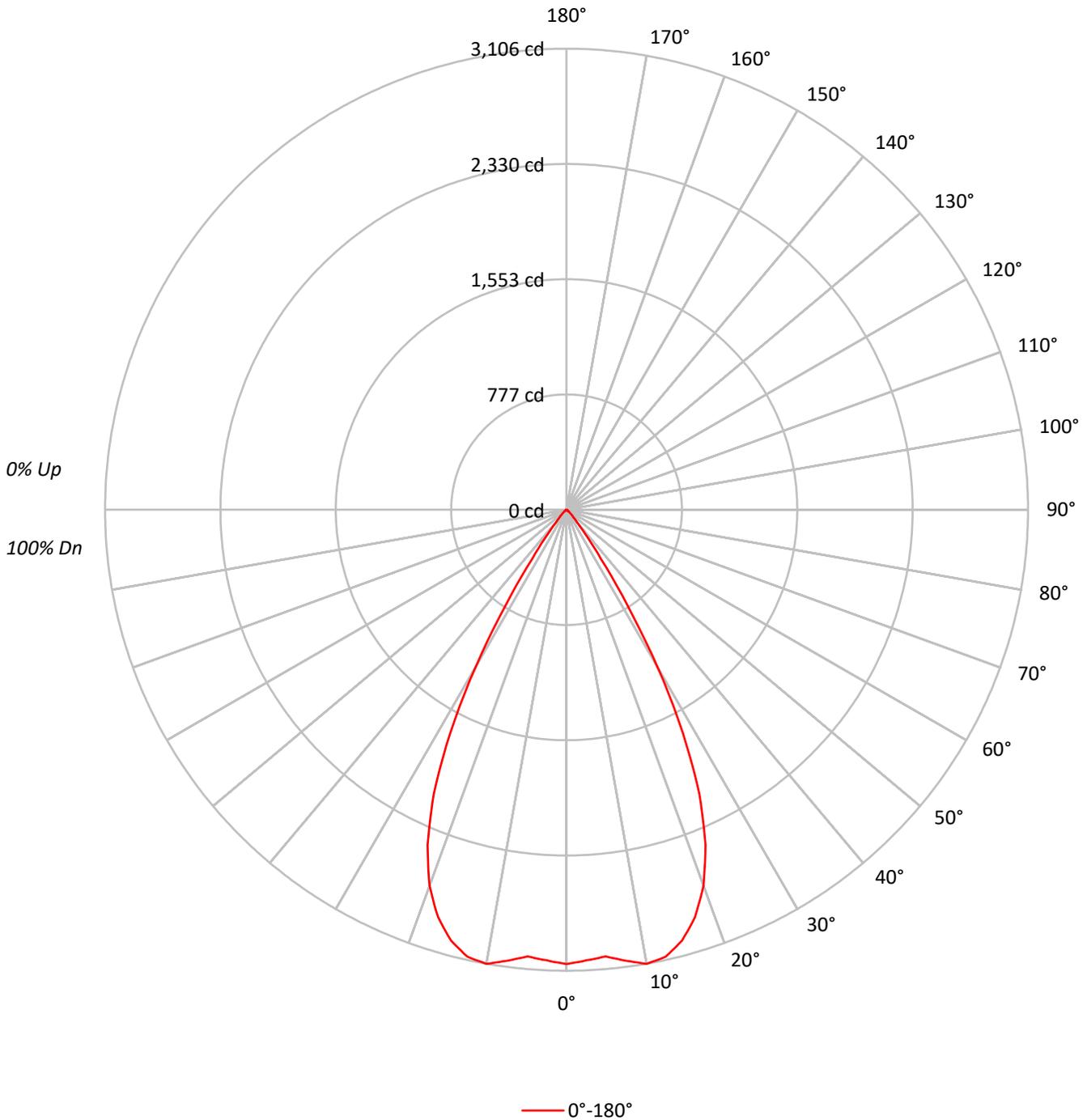
Test Method: LM-79-2019  
Report Number: P1258235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R559040D010 E3D1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3D1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2420.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	100			
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84			
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79			
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74			
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70			
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66			
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

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

	0°
0°	671196
5°	664955
10°	691682
15°	682070
20°	628958
25°	511771
30°	310833
35°	107586
40°	30715
45°	14668
50°	6209
55°	2791
60°	3201
65°	2854
70°	2308
75°	3050
80°	2273
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14668 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.0	12.1
10°-20°	835.0	34.5
20°-30°	930.9	38.5
30°-40°	304.5	12.6
40°-50°	40.1	1.7
50°-60°	8.5	0.4
60°-70°	5.0	0.2
70°-80°	3.1	0.1
80°-90°	0.7	0.0
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°	2058.0	85.0
0°-40°	2362.6	97.6
0°-60°	2411.2	99.6
0°-90°	2420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3061	
5°	3021	292
15°	3004	835
25°	2115	931
35°	402	305
45°	47	40
55°	7	8
65°	6	5
75°	4	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3060.9
2.5°	3039.1
5°	3020.9
7.5°	3064.6
10°	3106.4
12.5°	3084.6
15°	3004.5
17.5°	2877.2
20°	2695.3
22.5°	2444.4
25°	2115.2
27.5°	1696.9
30°	1227.6
32.5°	753.0
35°	401.9
37.5°	203.7
40°	107.3
42.5°	69.1
45°	47.3
47.5°	32.7
50°	18.2
52.5°	10.9
55°	7.3
57.5°	7.3
60°	7.3
62.5°	5.5
65°	5.5
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)