

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: P1255297

Luminaire Tested: P3AS20R159035D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

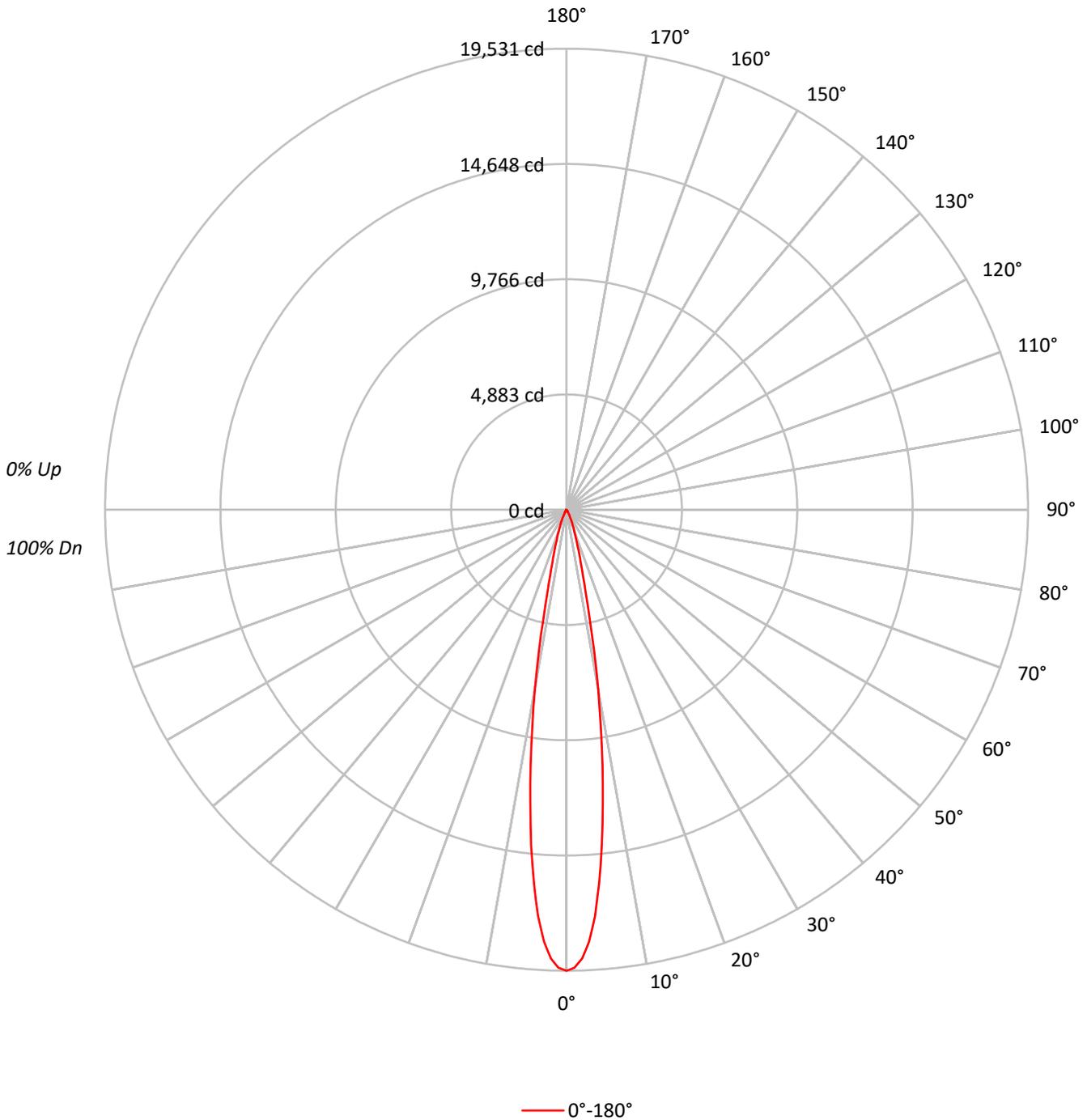
Test Method: LM-79-2019  
Report Number: P1255297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159035D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2249.1 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	94	93	91	90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	91	89	88	87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	90	88	86	85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	85	88	86	85	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	87	85	83	82

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

	0°
0°	4282683
5°	3492243
10°	1710300
15°	523476
20°	221686
25°	100288
30°	39095
35°	18042
40°	5611
45°	2109
50°	887
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2109 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1234.9	54.9
10°-20°	757.8	33.7
20°-30°	203.5	9.1
30°-40°	44.8	2.0
40°-50°	6.3	0.3
50°-60°	1.2	0.1
60°-70°	0.6	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2196.3	97.7
0°-40°	2241.1	99.6
0°-60°	2248.5	100.0
0°-90°	2249.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19531	
5°	15865	###
15°	2306	758
25°	414	204
35°	67	45
45°	7	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	19530.6
1°	19408.6
2°	19017.2
3°	18311.9
4°	17250.2
5°	15865.3
6°	14298.7
7°	12553.9
8°	10950.7
9°	9251.1
10°	7681.1
11°	6127.3
12°	4714.2
13°	3626.1
14°	2870.5
15°	2305.9
17.5°	1429.3
20°	950.0
22.5°	639.6
25°	414.5
27.5°	245.6
30°	154.4
32.5°	104.0
35°	67.4
37.5°	37.5
40°	19.6
42.5°	11.1
45°	6.8
47.5°	4.3
50°	2.6
52.5°	1.7
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)