

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: P1255447

Luminaire Tested: P3AS20R409035D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

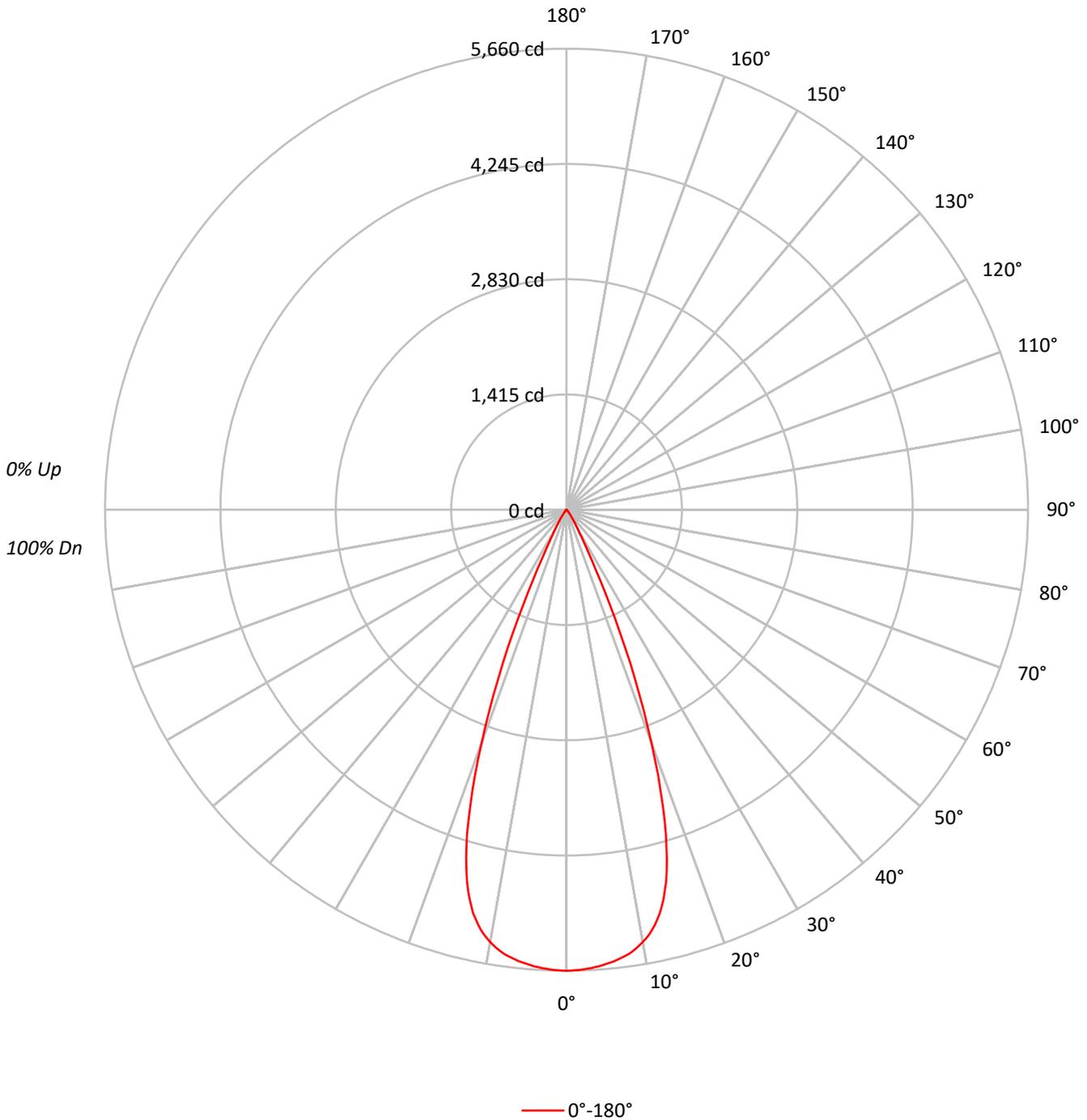
Test Method: LM-79-2019  
Report Number: P1255447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R409035D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2435.0 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
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	100	100	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	88	88	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85	85	85	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82	82	82	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79	79	79	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76	76	76	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73	73	73	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70	70	70	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68	68	68	68

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

	0°
0°	1241172
5°	1232222
10°	1199956
15°	1071902
20°	710748
25°	266265
30°	71226
35°	27840
40°	10019
45°	4745
50°	1467
55°	650
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.3	21.7
10°-20°	1251.1	51.4
20°-30°	567.4	23.3
30°-40°	73.5	3.0
40°-50°	12.7	0.5
50°-60°	1.5	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°	2346.7	96.4
0°-40°	2420.2	99.4
0°-60°	2434.5	100.0
0°-90°	2435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2435.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5660	
5°	5598	528
15°	4722	1251
25°	1100	567
35°	104	74
45°	15	13
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P125447  
CATALOG NUMBER: P3AS20R409035D010 E3D1WMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5660.2
1°	5656.8
2°	5648.3
3°	5635.5
4°	5619.3
5°	5598.0
6°	5573.3
7°	5542.6
8°	5505.1
9°	5453.9
10°	5389.1
11°	5313.3
12°	5211.8
13°	5086.5
14°	4922.9
15°	4721.7
16°	4465.1
17°	4172.7
18°	3821.5
19°	3450.7
20°	3045.8
21°	2640.9
22°	2241.9
23°	1844.7
24°	1454.3
25°	1100.5
26°	814.9
27°	596.7
28°	448.4
29°	348.6
30°	281.3
31°	232.7
32°	194.4
32.5°	177.3
33°	160.3
34°	130.4
35°	104.0
36°	81.8
37°	64.8
37.5°	58.0
38°	51.1
39°	42.6
40°	35.0
42.5°	23.0
45°	15.3



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	9.4
50°	4.3
52.5°	1.7
55°	1.7
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
90°	0.0

(END OF REPORT)