

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: P1252019

Luminaire Tested: P3AS13R409030DE010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

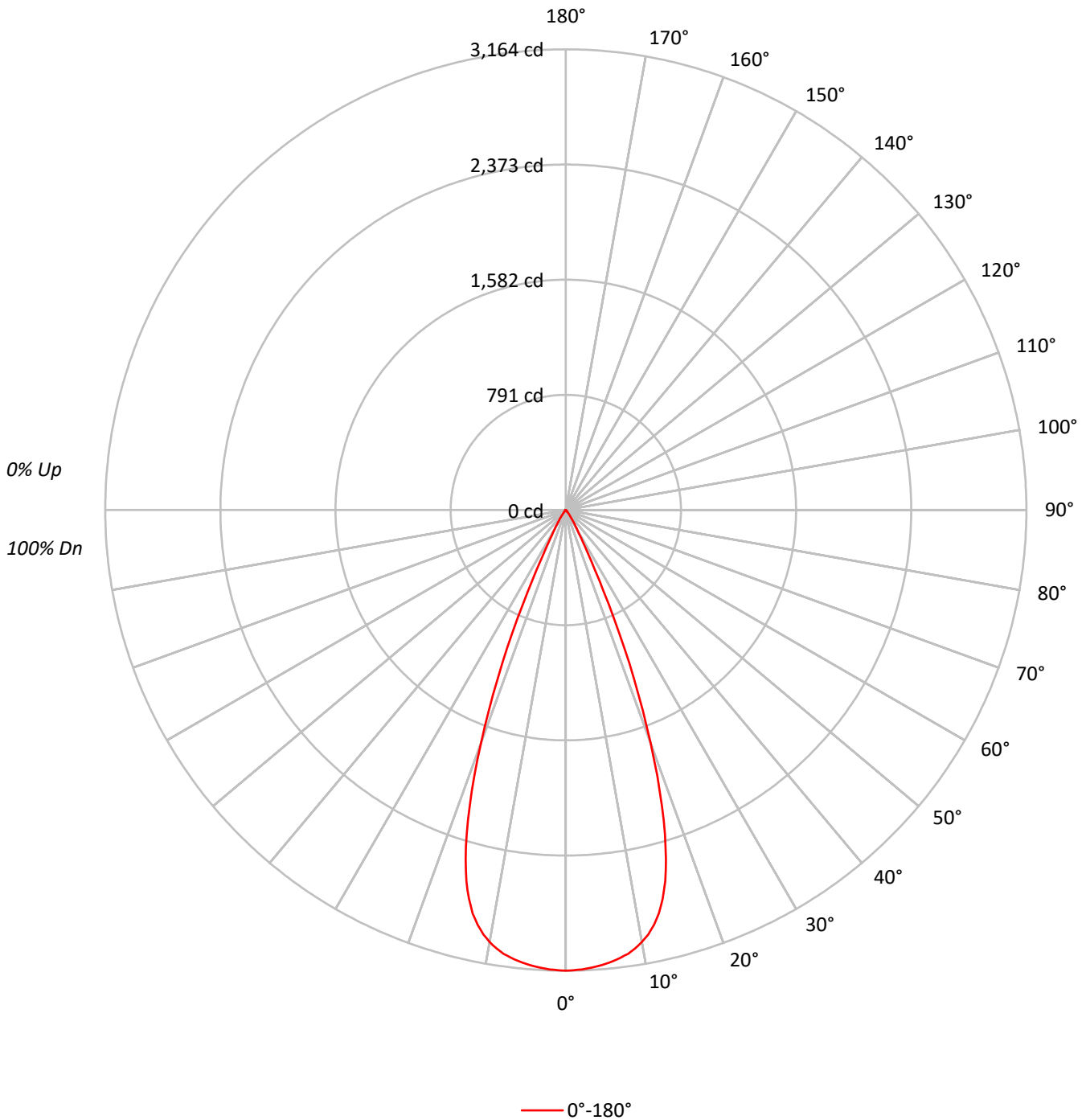
Test Method: LM-79-2019  
Report Number: P1252019  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R409030DE010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1361.0 lumens  
Efficiency: N/A  
Efficacy: 93.2 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): 14.6  
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				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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	71	71	71	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	69	69	69	68

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

	0°
0°	693738
5°	688728
10°	670707
15°	599118
20°	397261
25°	148823
30°	39804
35°	15553
40°	5582
45°	2667
50°	819
55°	382
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2667 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.3	21.7
10°-20°	699.3	51.4
20°-30°	317.1	23.3
30°-40°	41.1	3.0
40°-50°	7.1	0.5
50°-60°	0.9	0.1
60°-70°	0.3	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°	1311.7	96.4
0°-40°	1352.8	99.4
0°-60°	1360.7	100.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3164	
5°	3129	295
15°	2639	699
25°	615	317
35°	58	41
45°	9	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3163.7
1°	3161.8
2°	3157.0
3°	3149.9
4°	3140.8
5°	3128.9
6°	3115.1
7°	3097.9
8°	3077.0
9°	3048.4
10°	3012.2
11°	2969.8
12°	2913.1
13°	2843.0
14°	2751.5
15°	2639.1
16°	2495.7
17°	2332.3
18°	2136.0
19°	1928.7
20°	1702.4
21°	1476.1
22°	1253.1
23°	1031.1
24°	812.8
25°	615.1
26°	455.5
27°	333.5
28°	250.6
29°	194.9
30°	157.2
31°	130.1
32°	108.6
32.5°	99.1
33°	89.6
34°	72.9
35°	58.1
36°	45.7
37°	36.2
37.5°	32.4
38°	28.6
39°	23.8
40°	19.5
42.5°	12.9
45°	8.6



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	5.2
50°	2.4
52.5°	1.0
55°	1.0
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
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)