

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: P1296327

Luminaire Tested: P3A13R30W2N902750DE010 E3D1H\_2700K

Issue Date: 1/29/2026

**Test Information**

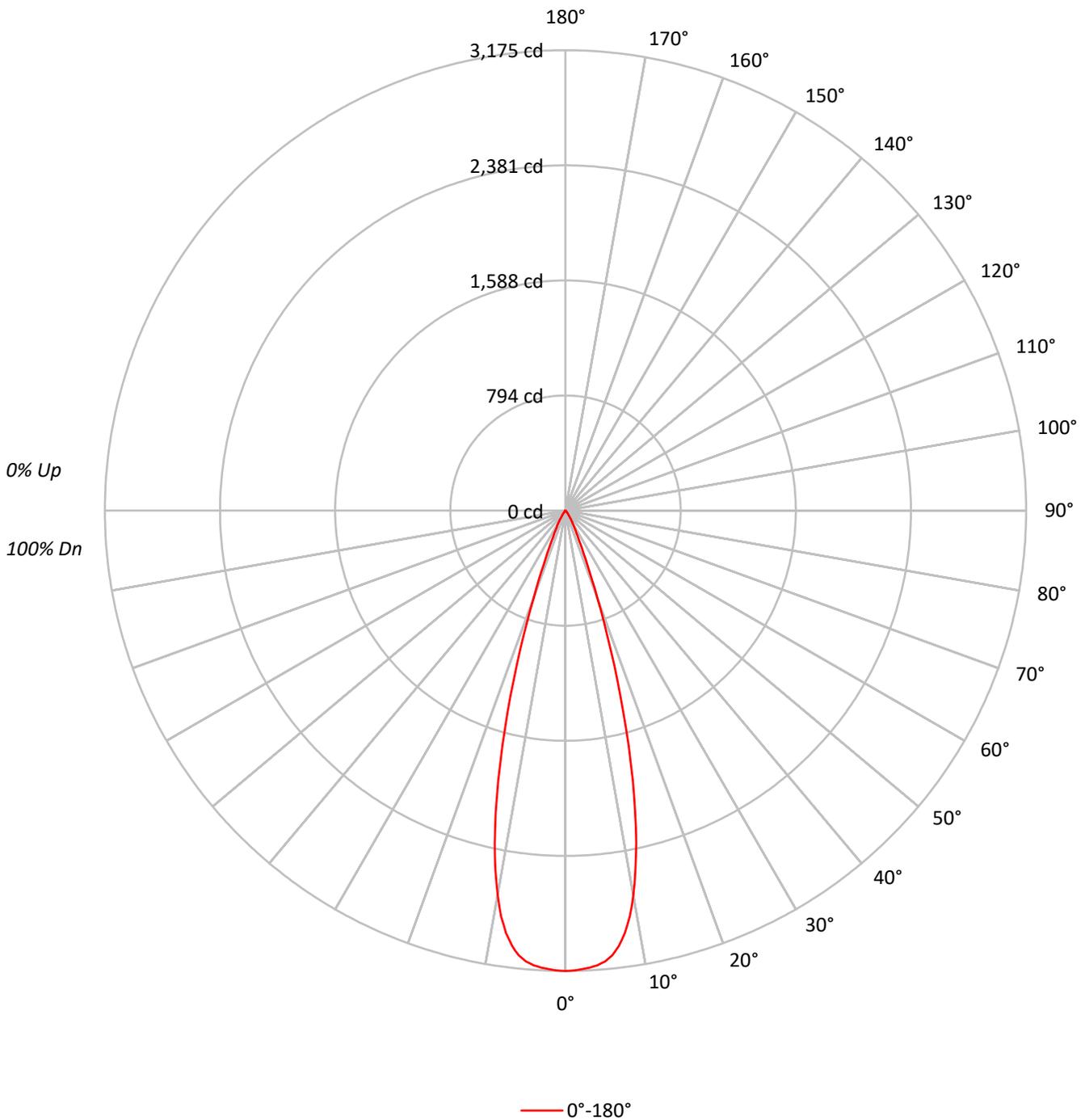
Test Method: LM-79-2019  
Report Number: P1296327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R30W2N902750DE010 E3D1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 875.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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

TEST NUMBER: P1296327  
CATALOG NUMBER: P3A13R30W2N902750DE010 E3D1H\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1296327  
 CATALOG NUMBER: P3A13R30W2N902750DE010 E3D1H\_2700K

**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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	86	85	88
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72	74

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

	0°
0°	696172
5°	687099
10°	599900
15°	381296
20°	151073
25°	50471
30°	23472
35°	10627
40°	4093
45°	2016
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2016 cd/sqm



TEST NUMBER: P1296327

CATALOG NUMBER: P3A13R30W2N902750DE010 E3D1H\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.4	32.6
10°-20°	442.6	50.6
20°-30°	114.1	13.0
30°-40°	26.8	3.1
40°-50°	5.2	0.6
50°-60°	0.6	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°	842.1	96.2
0°-40°	868.9	99.3
0°-60°	874.7	100.0
0°-90°	875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3175	
5°	3122	285
15°	1680	443
25°	209	114
35°	40	27
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1296327  
CATALOG NUMBER: P3A13R30W2N902750DE010 E3D1H\_2700K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3174.8
1°	3172.4
2°	3165.0
3°	3156.5
4°	3143.9
5°	3121.5
6°	3085.1
7°	3024.7
8°	2942.2
9°	2834.5
10°	2694.2
11°	2527.4
12°	2345.4
13°	2135.8
14°	1916.4
15°	1679.6
16°	1447.6
17°	1224.1
18°	1009.8
19°	813.2
20°	647.4
21°	509.5
22°	400.8
23°	317.2
24°	254.1
25°	208.6
26°	173.9
27°	147.8
28°	127.7
29°	109.4
30°	92.7
32.5°	58.4
35°	39.7
37.5°	24.8
40°	14.3
42.5°	9.5
45°	6.5
47.5°	3.7
50°	1.7
52.5°	0.7
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3



TEST NUMBER: P1296327  
CATALOG NUMBER: P3A13R30W2N902750DE010 E3D1H\_2700K

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
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)