

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: P1297649

Luminaire Tested: P3A13R50W2N902750DE010 E3DLD1LI\_4000K

Issue Date: 1/30/2026

**Test Information**

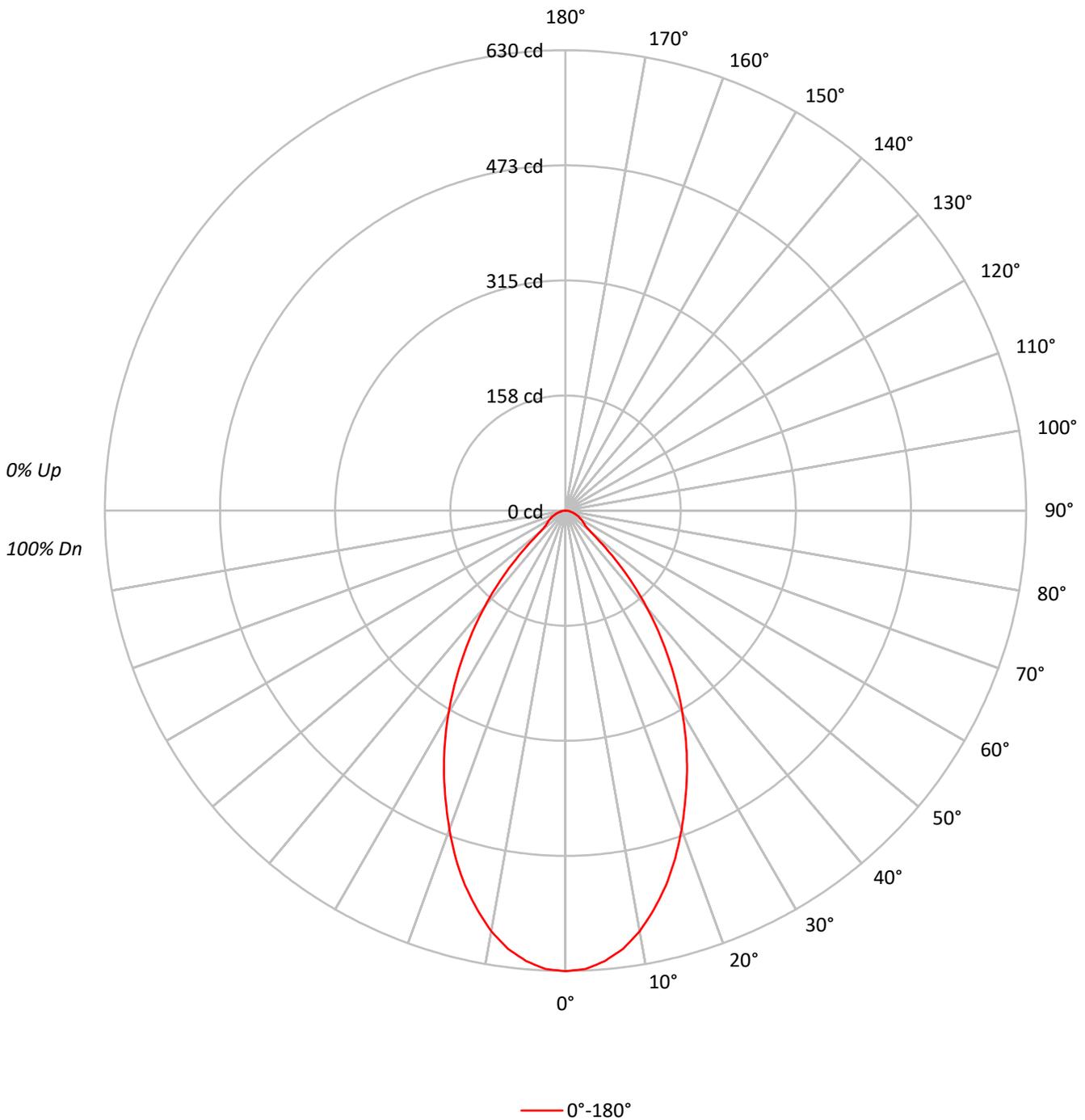
Test Method: LM-79-2019  
Report Number: P1297649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R50W2N902750DE010 E3DLD1LI\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,  
E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 680.0 lumens  
Efficiency: N/A  
Efficacy: 55.3 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
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: P1297649  
CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297649

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI\_4000K

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			

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

	0°
0°	138191
5°	136165
10°	130125
15°	120523
20°	108299
25°	95207
30°	80974
35°	65638
40°	49321
45°	31755
50°	15078
55°	11851
60°	11227
65°	10481
70°	9425
75°	8557
80°	7829
85°	7799

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31755 cd/sqm



TEST NUMBER: P1297649  
 CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	8.5
10°-20°	148.0	21.8
20°-30°	179.8	26.4
30°-40°	152.5	22.4
40°-50°	79.2	11.6
50°-60°	28.5	4.2
60°-70°	19.8	2.9
70°-80°	10.7	1.6
80°-90°	3.4	0.5
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°	385.8	56.7
0°-40°	538.3	79.2
0°-60°	646.1	95.0
0°-90°	680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	630	
5°	619	58
15°	531	148
25°	394	180
35°	245	153
45°	102	79
55°	31	29
65°	20	20
75°	10	11
85°	3	3
90°	0	



TEST NUMBER: P1297649  
CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	630.2
2.5°	627.9
5°	618.6
7.5°	604.6
10°	584.4
12.5°	558.8
15°	530.9
17.5°	499.0
20°	464.1
22.5°	428.4
25°	393.5
27.5°	357.0
30°	319.8
32.5°	282.5
35°	245.2
37.5°	208.8
40°	172.3
42.5°	137.4
45°	102.4
47.5°	68.3
50°	44.2
52.5°	34.1
55°	31.0
57.5°	27.9
60°	25.6
62.5°	22.5
65°	20.2
67.5°	17.1
70°	14.7
72.5°	12.4
75°	10.1
77.5°	7.8
80°	6.2
82.5°	4.7
85°	3.1
87.5°	1.6
90°	0.0

(END OF REPORT)