

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: P1297645

Luminaire Tested: P3AS13R50W2N902750DE010 E3DLD1H\_5000K

Issue Date: 1/30/2026

**Test Information**

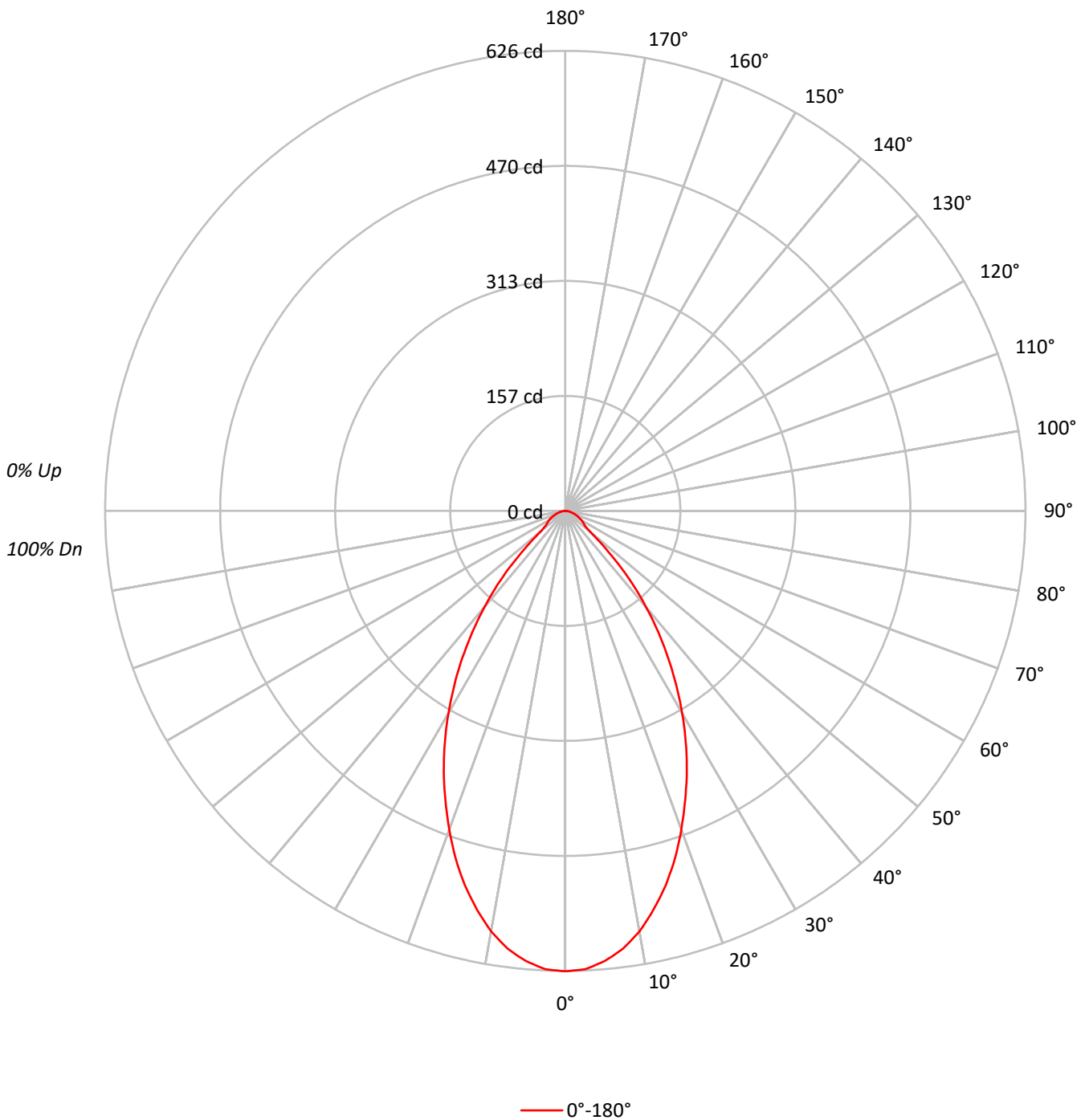
Test Method: LM-79-2019  
Report Number: P1297645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R50W2N902750DE010 E3DLD1H\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 676.0 lumens  
Efficiency: N/A  
Efficacy: 55.0 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: P1297645  
CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1H\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297645

CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1H\_5000K

**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°	137379
5°	135351
10°	129367
15°	119796
20°	107669
25°	94651
30°	80493
35°	65263
40°	49035
45°	31569
50°	15010
55°	11813
60°	11183
65°	10429
70°	9425
75°	8472
80°	7829
85°	7799

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31569 cd/sqm



TEST NUMBER: P1297645

CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1H\_5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	8.5
10°-20°	147.1	21.8
20°-30°	178.8	26.4
30°-40°	151.6	22.4
40°-50°	78.8	11.7
50°-60°	28.4	4.2
60°-70°	19.7	2.9
70°-80°	10.7	1.6
80°-90°	3.3	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°	383.5	56.7
0°-40°	535.1	79.2
0°-60°	642.3	95.0
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	626	
5°	615	58
15°	528	147
25°	391	179
35°	244	152
45°	102	79
55°	31	28
65°	20	20
75°	10	11
85°	3	3
90°	0	



TEST NUMBER: P1297645  
CATALOG NUMBER: P3AS13R50W2N902750DE010 E3DLD1H\_5000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	626.5
2.5°	624.2
5°	614.9
7.5°	601.0
10°	581.0
12.5°	555.5
15°	527.7
17.5°	496.1
20°	461.4
22.5°	425.9
25°	391.2
27.5°	354.9
30°	317.9
32.5°	280.8
35°	243.8
37.5°	207.5
40°	171.3
42.5°	136.6
45°	101.8
47.5°	67.9
50°	44.0
52.5°	33.9
55°	30.9
57.5°	27.8
60°	25.5
62.5°	22.4
65°	20.1
67.5°	17.0
70°	14.7
72.5°	12.3
75°	10.0
77.5°	7.7
80°	6.2
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)