

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: P1297642

Luminaire Tested: P3A13R50W2N902750DE010 E3DLD1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297642
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 E3DLD1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

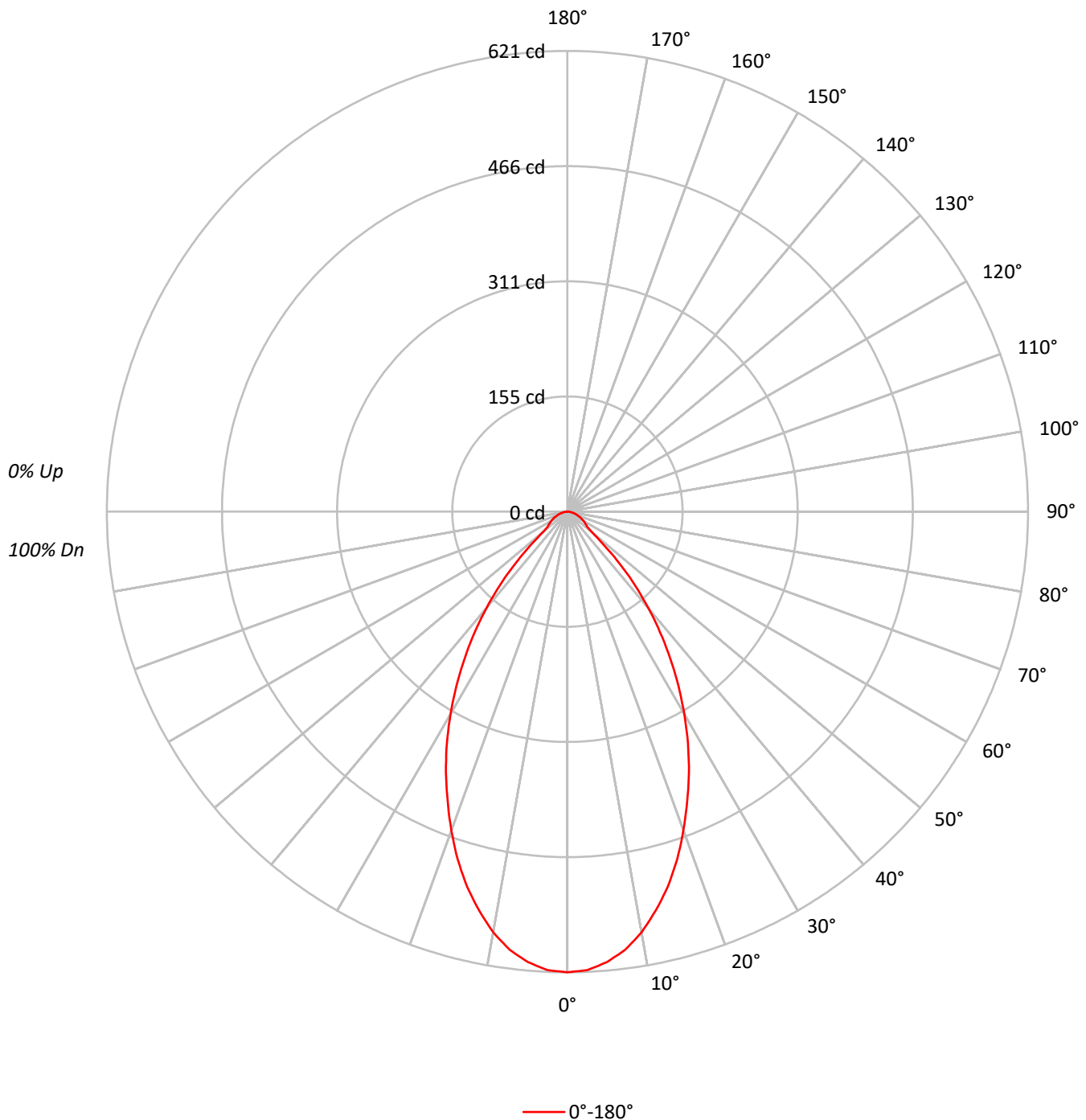
Lumens per Lamp: N/A
Luminaire Lumens: 669.9 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297642

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297642

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1H_3000K

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	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°	136151
5°	134162
10°	128210
15°	118729
20°	106713
25°	93804
30°	79784
35°	64674
40°	48605
45°	31290
50°	14874
55°	11699
60°	11052
65°	10325
70°	9296
75°	8388
80°	7703
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31290 cd/sqm

TEST NUMBER: P1297642

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	8.5
10°-20°	145.8	21.8
20°-30°	177.2	26.4
30°-40°	150.3	22.4
40°-50°	78.0	11.6
50°-60°	28.1	4.2
60°-70°	19.5	2.9
70°-80°	10.5	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°	380.1	56.7
0°-40°	530.4	79.2
0°-60°	636.6	95.0
0°-90°	669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	610	57
15°	523	146
25°	388	177
35°	242	150
45°	101	78
55°	31	28
65°	20	19
75°	10	11
85°	3	3
90°	0	



TEST NUMBER: P1297642

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1H_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	620.9
2.5°	618.6
5°	609.5
7.5°	595.7
10°	575.8
12.5°	550.6
15°	523.0
17.5°	491.7
20°	457.3
22.5°	422.1
25°	387.7
27.5°	351.8
30°	315.1
32.5°	278.3
35°	241.6
37.5°	205.7
40°	169.8
42.5°	135.3
45°	100.9
47.5°	67.3
50°	43.6
52.5°	33.6
55°	30.6
57.5°	27.5
60°	25.2
62.5°	22.2
65°	19.9
67.5°	16.8
70°	14.5
72.5°	12.2
75°	9.9
77.5°	7.6
80°	6.1
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)