

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: P1297654

Luminaire Tested: P3A13R50W2N902750DE010 E3DLD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297654
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 E3DLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

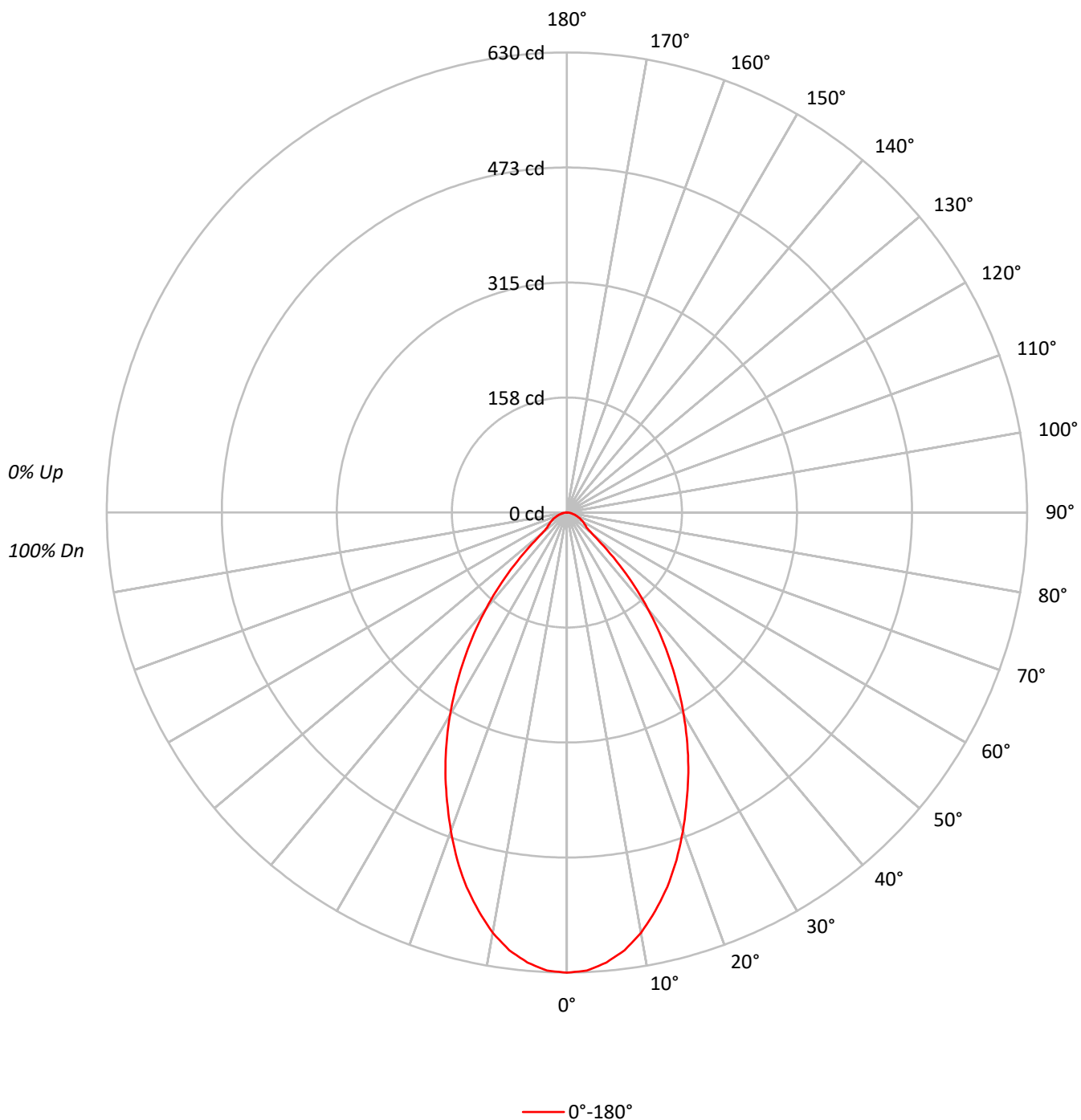
Lumens per Lamp: N/A
Luminaire Lumens: 680.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297654

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1MW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1297654

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1MW_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

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: P1297654

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1MW_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: P1297654

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1MW_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)