

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: P1297646

Luminaire Tested: P3A13R50W2N902750DE010 E3DLD1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297646
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

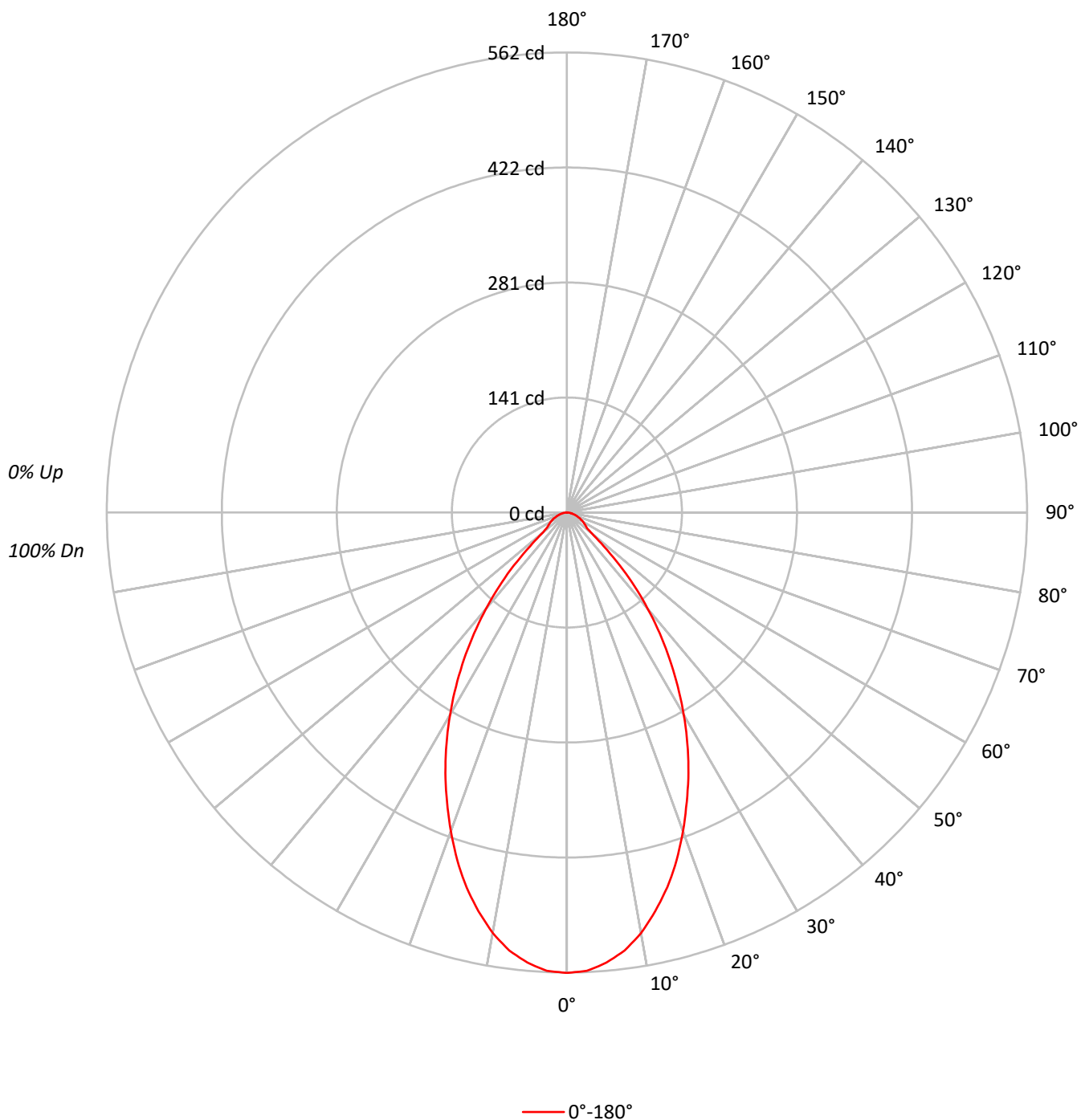
Lumens per Lamp: N/A
Luminaire Lumens: 607.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297646

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1297646

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI_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	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°	123345
5°	121527
10°	116164
15°	107583
20°	96678
25°	84973
30°	72264
35°	58598
40°	44025
45°	28344
50°	13475
55°	10590
60°	10043
65°	9340
70°	8463
75°	7625
80°	6945
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28344 cd/sqm

TEST NUMBER: P1297646

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	8.5
10°-20°	132.1	21.8
20°-30°	160.5	26.4
30°-40°	136.1	22.4
40°-50°	70.7	11.6
50°-60°	25.5	4.2
60°-70°	17.6	2.9
70°-80°	9.6	1.6
80°-90°	3.0	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°	344.4	56.7
0°-40°	480.5	79.2
0°-60°	576.8	95.0
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	552	52
15°	474	132
25°	351	161
35°	219	136
45°	91	71
55°	28	26
65°	18	18
75°	9	10
85°	3	3
90°	0	



TEST NUMBER: P1297646

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DLD1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	562.5
2.5°	560.5
5°	552.1
7.5°	539.7
10°	521.7
12.5°	498.8
15°	473.9
17.5°	445.5
20°	414.3
22.5°	382.4
25°	351.2
27.5°	318.7
30°	285.4
32.5°	252.2
35°	218.9
37.5°	186.4
40°	153.8
42.5°	122.6
45°	91.4
47.5°	61.0
50°	39.5
52.5°	30.5
55°	27.7
57.5°	24.9
60°	22.9
62.5°	20.1
65°	18.0
67.5°	15.2
70°	13.2
72.5°	11.1
75°	9.0
77.5°	6.9
80°	5.5
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)