

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: P1297614

Luminaire Tested: P3A13R50W2N902750DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902750DE010 E3DL1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

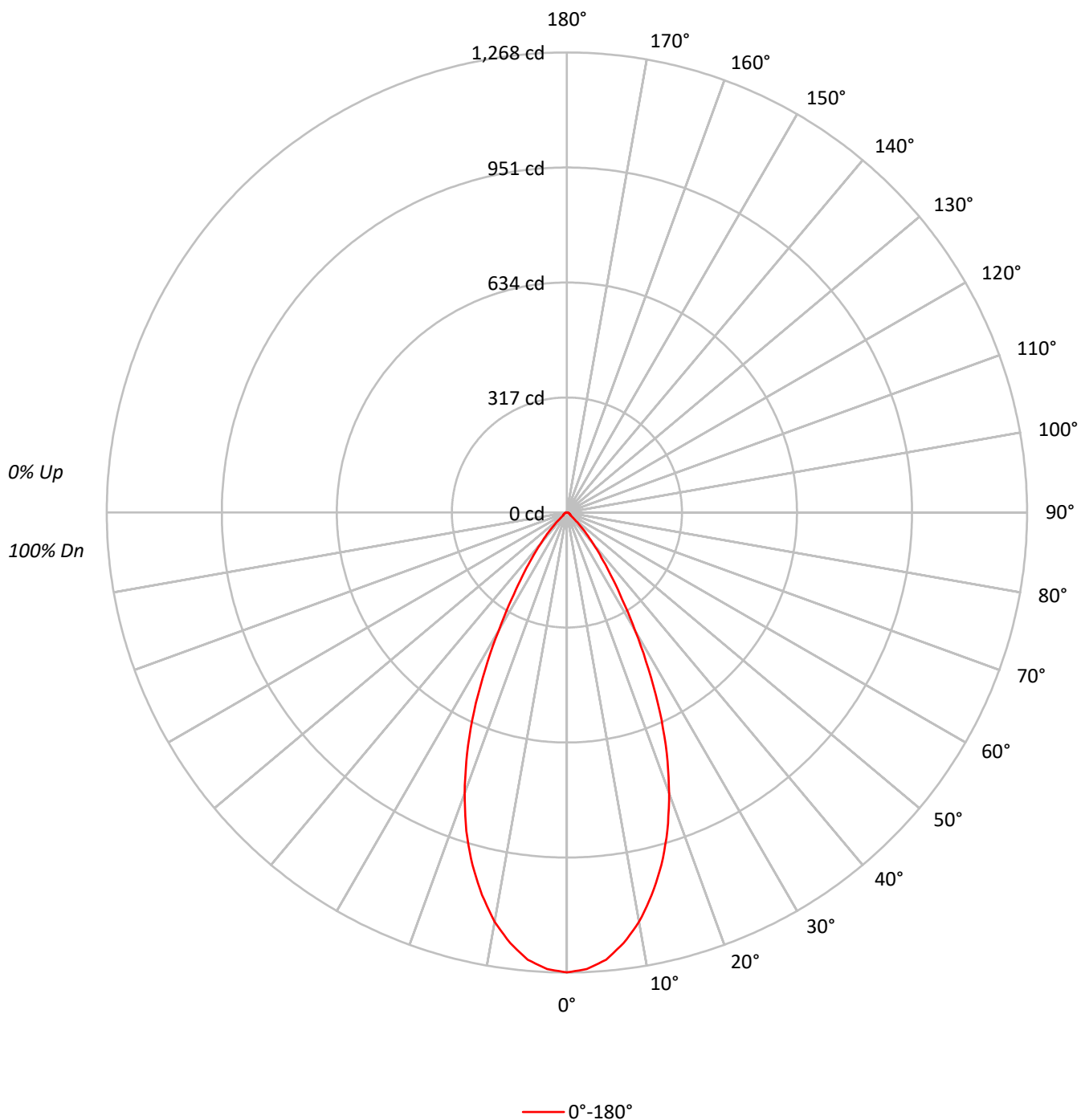
Lumens per Lamp: N/A
Luminaire Lumens: 873.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76		
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72		
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67		
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64		
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60		
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57		
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277938
5°	272352
10°	255105
15°	228378
20°	192190
25°	146670
30°	95331
35°	56510
40°	32661
45°	16374
50°	6106
55°	4741
60°	4429
65°	4047
70°	3975
75°	3982
80°	3915
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	13.2
10°-20°	278.2	31.9
20°-30°	272.9	31.3
30°-40°	137.5	15.7
40°-50°	43.5	5.0
50°-60°	11.3	1.3
60°-70°	8.0	0.9
70°-80°	4.9	0.6
80°-90°	1.7	0.2
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°	666.2	76.3
0°-40°	803.7	92.1
0°-60°	858.5	98.3
0°-90°	873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1268	
5°	1237	115
15°	1006	278
25°	606	273
35°	211	137
45°	53	43
55°	12	11
65°	8	8
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1267.5
2.5°	1259.8
5°	1237.3
7.5°	1196.9
10°	1145.7
12.5°	1079.7
15°	1006.0
17.5°	920.6
20°	823.6
22.5°	718.8
25°	606.2
27.5°	486.7
30°	376.5
32.5°	283.3
35°	211.1
37.5°	156.0
40°	114.1
42.5°	80.7
45°	52.8
47.5°	30.3
50°	17.9
52.5°	13.2
55°	12.4
57.5°	10.9
60°	10.1
62.5°	9.3
65°	7.8
67.5°	7.0
70°	6.2
72.5°	5.4
75°	4.7
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)