

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: P1297668

Luminaire Tested: P3A13R50W2N902750DE010 E3DLP1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902750DE010 E3DLP1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

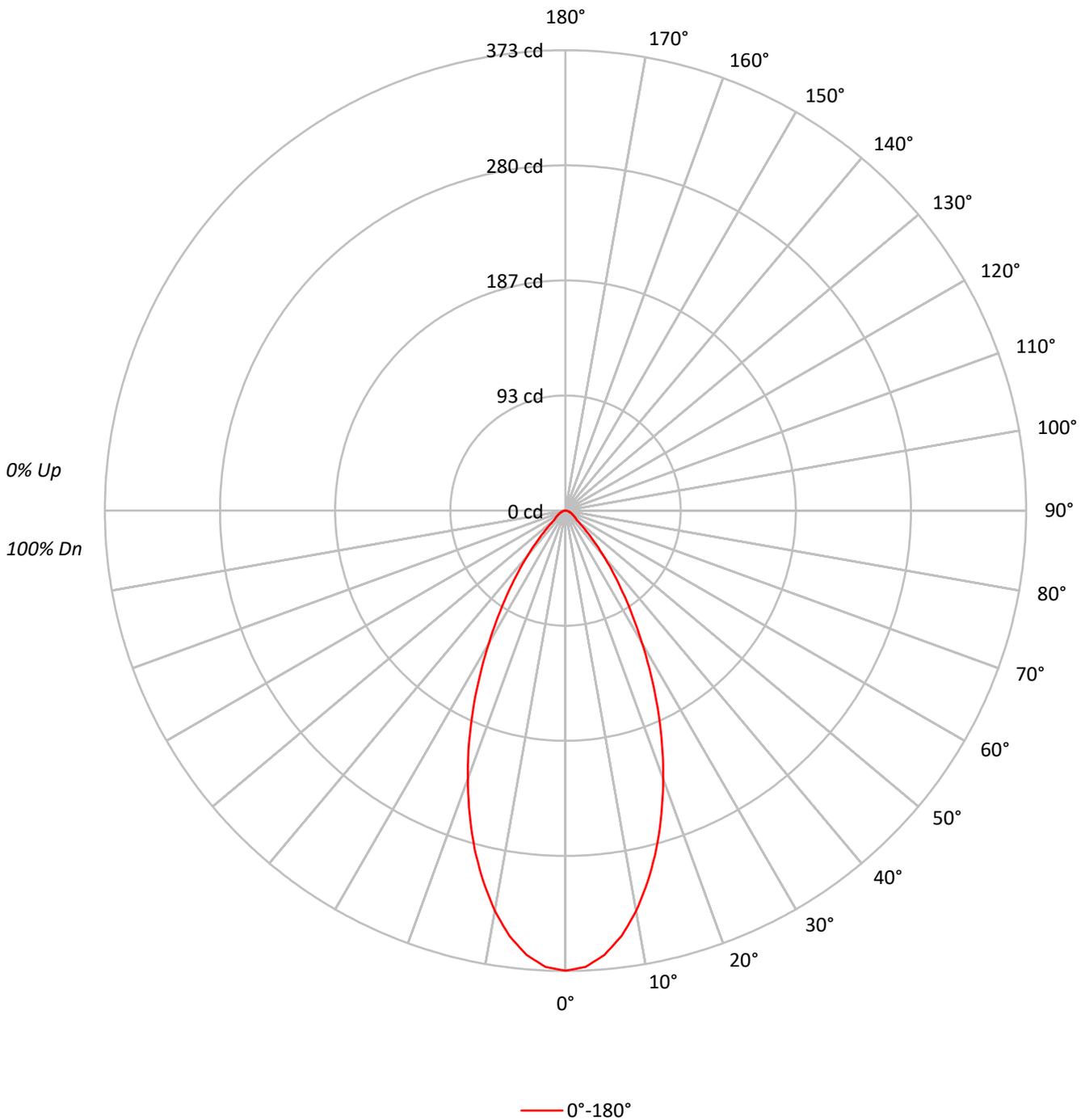
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 22.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
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			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			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73			73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68			68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53			53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81726
5°	79529
10°	73345
15°	64495
20°	53951
25°	42777
30°	31397
35°	21576
40°	13711
45°	7660
50°	4162
55°	3479
60°	2982
65°	2750
70°	2436
75°	2288
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	11.9
10°-20°	78.7	28.0
20°-30°	80.5	28.6
30°-40°	51.0	18.2
40°-50°	20.3	7.2
50°-60°	8.2	2.9
60°-70°	5.3	1.9
70°-80°	2.7	1.0
80°-90°	0.8	0.3
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°	192.6	68.6
0°-40°	243.7	86.7
0°-60°	272.2	96.9
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	373	
5°	361	33
15°	284	79
25°	177	80
35°	81	51
45°	25	20
55°	9	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	372.7
2.5°	370.0
5°	361.3
7.5°	347.6
10°	329.4
12.5°	307.7
15°	284.1
17.5°	258.2
20°	231.2
22.5°	204.2
25°	176.8
27.5°	149.5
30°	124.0
32.5°	101.2
35°	80.6
37.5°	63.1
40°	47.9
42.5°	35.4
45°	24.7
47.5°	16.7
50°	12.2
52.5°	10.3
55°	9.1
57.5°	8.0
60°	6.8
62.5°	6.1
65°	5.3
67.5°	4.6
70°	3.8
72.5°	3.0
75°	2.7
77.5°	1.9
80°	1.5
82.5°	1.1
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)