

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: P1297621

Luminaire Tested: P3A13R50W2N902750DE010 E3DL1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297621
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 E3DL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

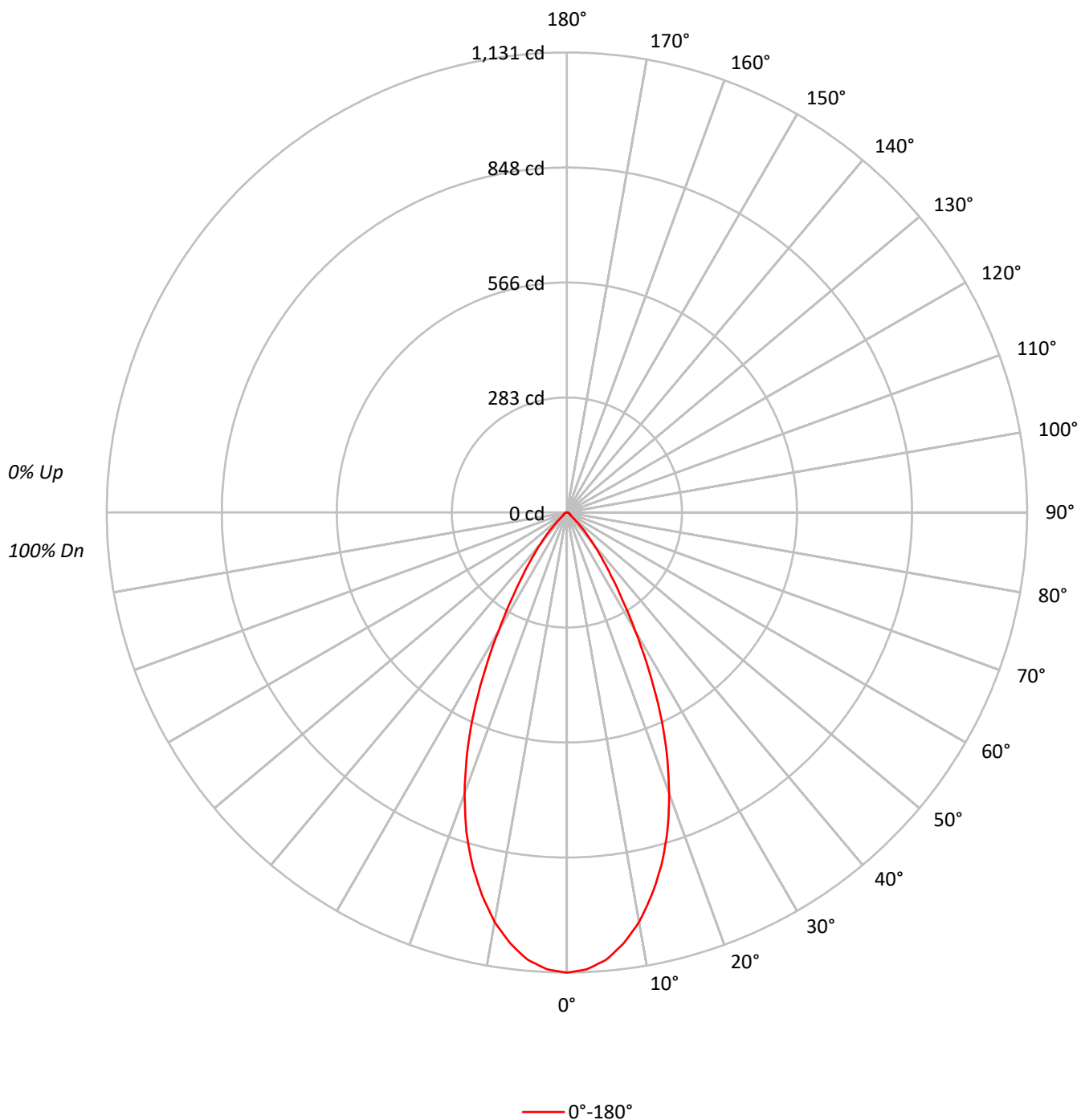
Lumens per Lamp: N/A
Luminaire Lumens: 779.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	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°	248028
5°	243011
10°	227629
15°	203770
20°	171492
25°	130870
30°	85051
35°	50433
40°	29140
45°	14606
50°	5424
55°	4244
60°	3947
65°	3580
70°	3526
75°	3558
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	13.2
10°-20°	248.2	31.9
20°-30°	243.5	31.3
30°-40°	122.7	15.7
40°-50°	38.8	5.0
50°-60°	10.1	1.3
60°-70°	7.1	0.9
70°-80°	4.4	0.6
80°-90°	1.5	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°	594.5	76.3
0°-40°	717.2	92.1
0°-60°	766.0	98.3
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1131	
5°	1104	103
15°	898	248
25°	541	244
35°	188	123
45°	47	39
55°	11	10
65°	7	7
75°	4	4
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1131.1
2.5°	1124.1
5°	1104.0
7.5°	1068.0
10°	1022.3
12.5°	963.4
15°	897.6
17.5°	821.5
20°	734.9
22.5°	641.4
25°	540.9
27.5°	434.3
30°	335.9
32.5°	252.8
35°	188.4
37.5°	139.2
40°	101.8
42.5°	72.0
45°	47.1
47.5°	27.0
50°	15.9
52.5°	11.8
55°	11.1
57.5°	9.7
60°	9.0
62.5°	8.3
65°	6.9
67.5°	6.2
70°	5.5
72.5°	4.8
75°	4.2
77.5°	3.5
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)