

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: P1296349

Luminaire Tested: P3A13R30W2N902750DE010 E3D1WMH_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3D1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

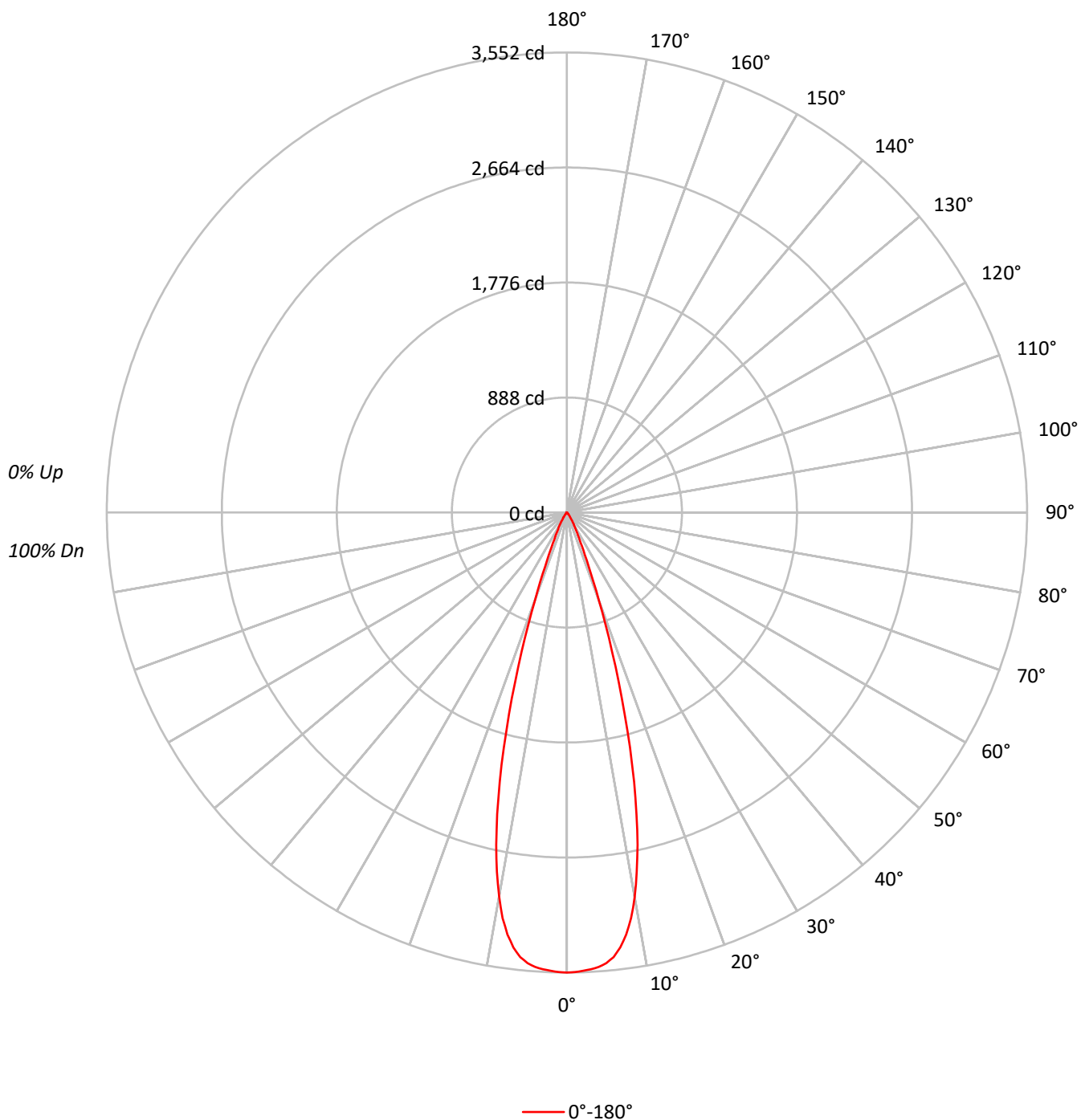
Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				0				0
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98	97				100				
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94				97				
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92	91				94				
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	91	89	88	87				90				
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	86	85	84				88				
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83	82				85				
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	81	80	79				82				
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78	77				80				
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76	75				78				
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74	73				76				
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72	71				74				

AVERAGE LUMINANCE (cd/sqm):

0°	778929
5°	768763
10°	671197
15°	426631
20°	169018
25°	56447
30°	26257
35°	11912
40°	4580
45°	2233
50°	648
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.3	32.6
10°-20°	495.2	50.6
20°-30°	127.7	13.0
30°-40°	30.0	3.1
40°-50°	5.8	0.6
50°-60°	0.7	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	942.1	96.2
0°-40°	972.1	99.3
0°-60°	978.7	100.0
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3552	
5°	3492	319
15°	1879	495
25°	233	128
35°	44	30
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3552.2
1°	3549.5
2°	3541.1
3°	3531.6
4°	3517.6
5°	3492.5
6°	3451.8
7°	3384.2
8°	3291.8
9°	3171.4
10°	3014.4
11°	2827.8
12°	2624.1
13°	2389.6
14°	2144.1
15°	1879.3
16°	1619.7
17°	1369.6
18°	1129.8
19°	909.8
20°	724.3
21°	570.0
22°	448.4
23°	355.0
24°	284.3
25°	233.3
26°	194.6
27°	165.3
28°	142.9
29°	122.4
30°	103.7
32.5°	65.4
35°	44.5
37.5°	27.7
40°	16.0
42.5°	10.6
45°	7.2
47.5°	4.2
50°	1.9
52.5°	0.8
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)