

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: P1300126

Luminaire Tested: P3A17R30W2N902750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300126
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: P3A17R30W2N902750DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

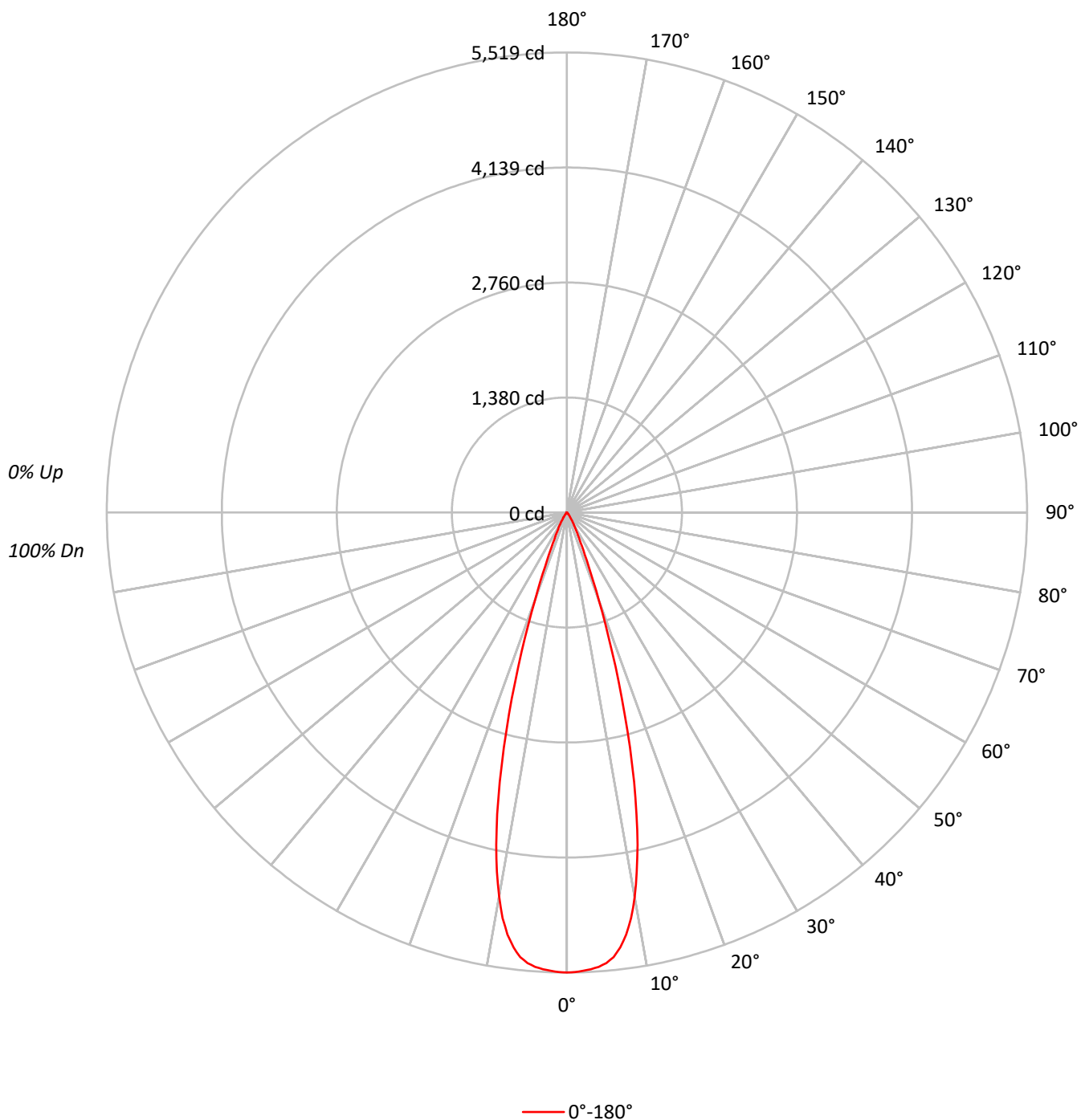
Lumens per Lamp: N/A
Luminaire Lumens: 1521.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94		
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90		
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88		
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85		
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82		
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80		
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78		
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76		
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1210144
5°	1194362
10°	1042800
15°	662819
20°	262616
25°	87707
30°	40816
35°	18498
40°	7099
45°	3473
50°	1023
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.1	32.6
10°-20°	769.3	50.6
20°-30°	198.4	13.0
30°-40°	46.6	3.1
40°-50°	9.1	0.6
50°-60°	1.1	0.1
60°-70°	0.5	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°	1463.8	96.2
0°-40°	1510.4	99.3
0°-60°	1520.5	100.0
0°-90°	1521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5519	
5°	5426	496
15°	2920	769
25°	362	198
35°	69	47
45°	11	9
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5518.7
1°	5514.6
2°	5501.6
3°	5486.9
4°	5465.0
5°	5426.0
6°	5362.9
7°	5257.8
8°	5114.3
9°	4927.1
10°	4683.3
11°	4393.4
12°	4076.9
13°	3712.6
14°	3331.2
15°	2919.7
16°	2516.4
17°	2127.9
18°	1755.3
19°	1413.5
20°	1125.4
21°	885.6
22°	696.7
23°	551.5
24°	441.6
25°	362.5
26°	302.3
27°	256.8
28°	222.0
29°	190.1
30°	161.2
32.5°	101.6
35°	69.1
37.5°	43.1
40°	24.8
42.5°	16.5
45°	11.2
47.5°	6.5
50°	3.0
52.5°	1.2
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
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)