

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: P1300130

Luminaire Tested: P3A17R30W2N902750DE010 E3D1LI_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300130
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 E3D1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

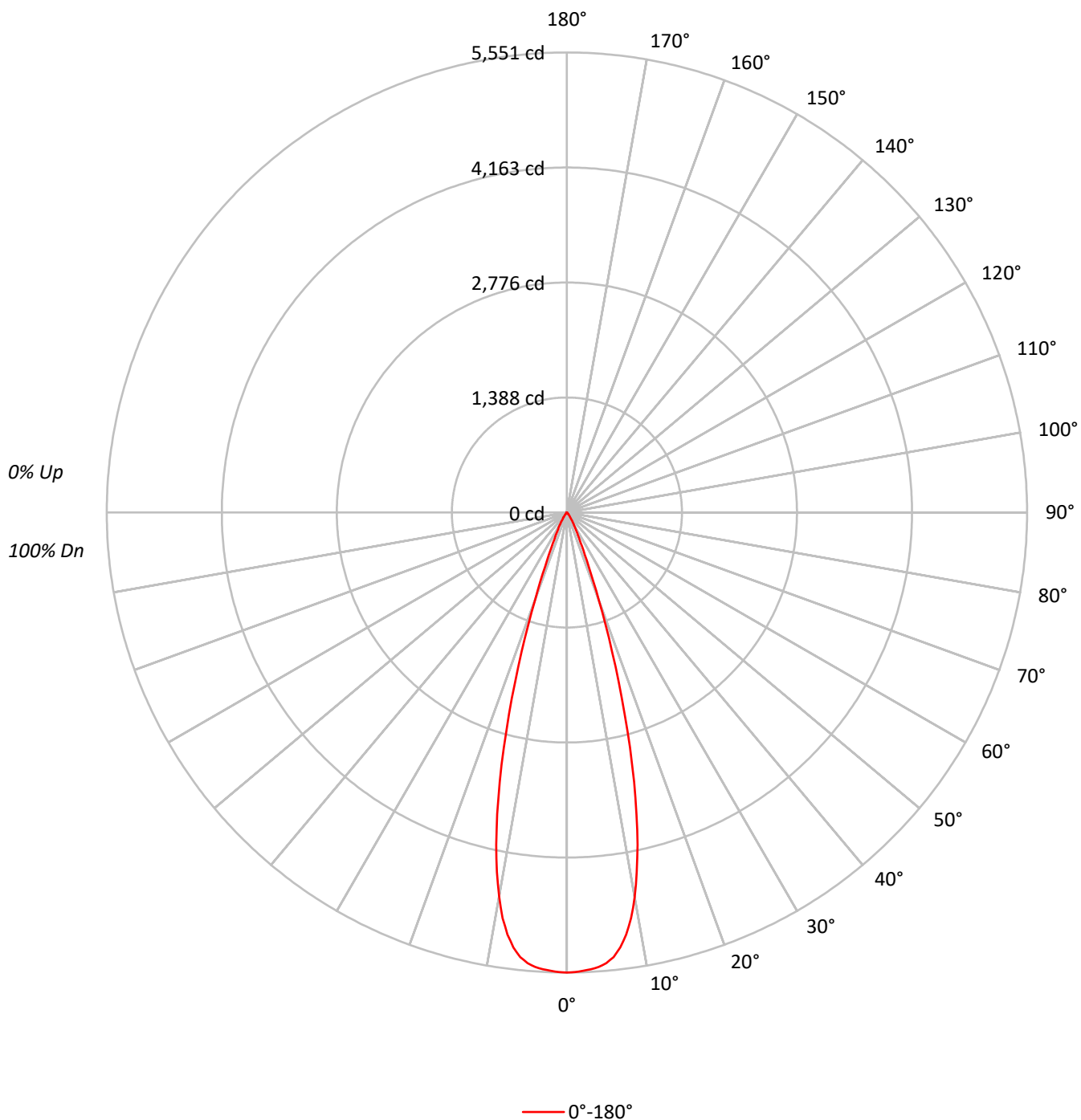
Lumens per Lamp: N/A
Luminaire Lumens: 1530.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1217315
5°	1201450
10°	1048967
15°	666746
20°	264156
25°	88239
30°	41044
35°	18605
40°	7128
45°	3504
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: 3504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.0	32.6
10°-20°	773.9	50.6
20°-30°	199.5	13.0
30°-40°	46.9	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°	1472.4	96.2
0°-40°	1519.3	99.3
0°-60°	1529.5	100.0
0°-90°	1530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1530.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5551	
5°	5458	499
15°	2937	774
25°	365	200
35°	70	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°	5551.4
1°	5547.2
2°	5534.2
3°	5519.3
4°	5497.4
5°	5458.2
6°	5394.6
7°	5288.9
8°	5144.6
9°	4956.3
10°	4711.0
11°	4419.4
12°	4101.0
13°	3734.6
14°	3350.9
15°	2937.0
16°	2531.3
17°	2140.5
18°	1765.7
19°	1421.9
20°	1132.0
21°	890.9
22°	700.8
23°	554.7
24°	444.3
25°	364.7
26°	304.1
27°	258.4
28°	223.3
29°	191.2
30°	162.1
32.5°	102.2
35°	69.5
37.5°	43.4
40°	24.9
42.5°	16.6
45°	11.3
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)