

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: P1301381

Luminaire Tested: P3A17R50W2N902750DE010 E3D1LI_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3D1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

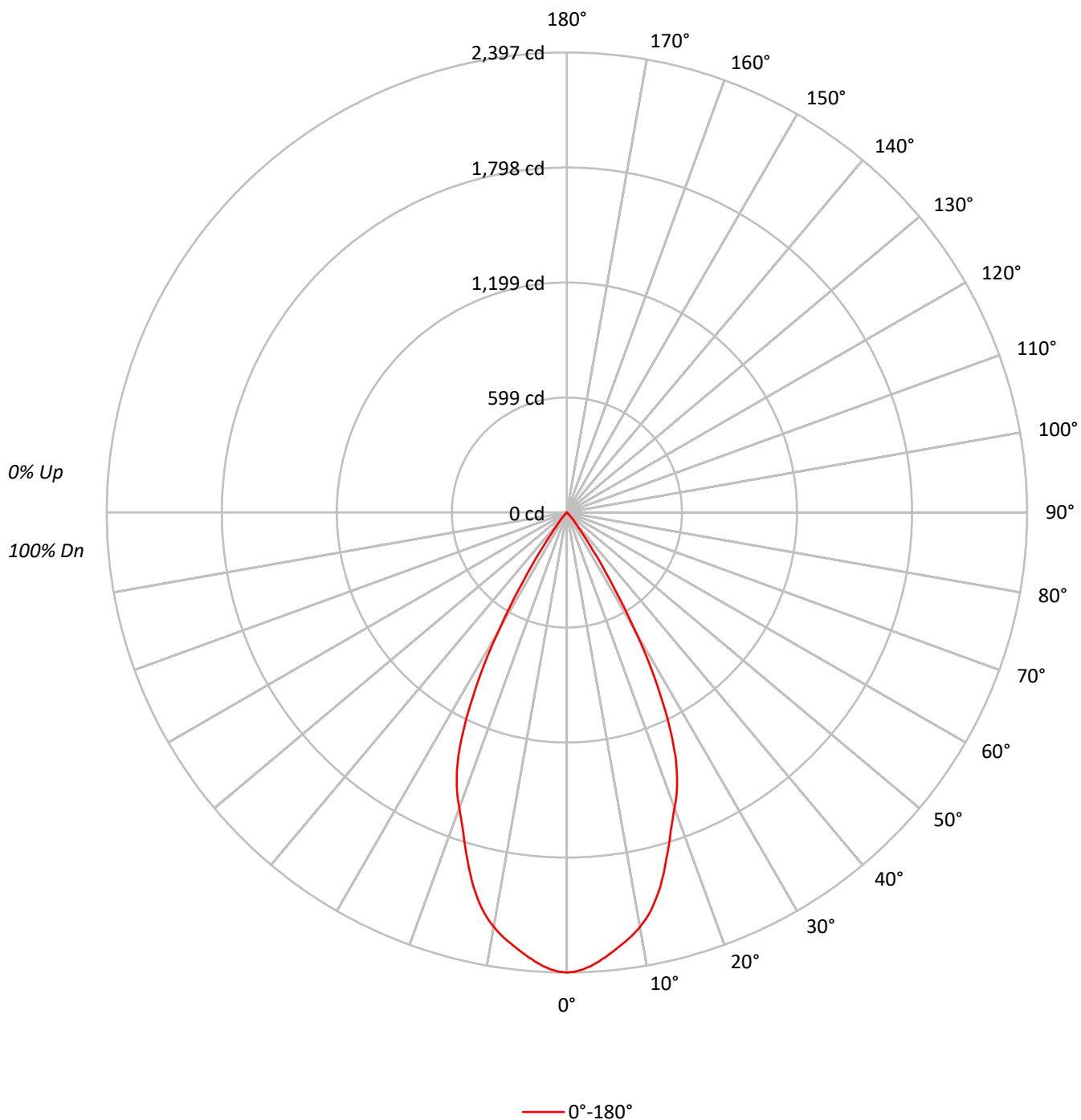
Lumens per Lamp: N/A
Luminaire Lumens: 1504.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1301381

CATALOG NUMBER: P3A17R50W2N902750DE010 E3D1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1301381

CATALOG NUMBER: P3A17R50W2N902750DE010 E3D1LI_2700K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	525594
5°	511599
10°	488212
15°	441978
20°	382373
25°	313639
30°	180180
35°	55974
40°	15028
45°	5272
50°	1262
55°	421
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5272 cd/sqm

TEST NUMBER: P1301381

CATALOG NUMBER: P3A17R50W2N902750DE010 E3D1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	14.5
10°-20°	539.4	35.9
20°-30°	567.0	37.7
30°-40°	162.3	10.8
40°-50°	15.9	1.1
50°-60°	1.3	0.1
60°-70°	0.4	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°	1324.1	88.0
0°-40°	1486.4	98.8
0°-60°	1503.6	100.0
0°-90°	1504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1504.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2397	
5°	2324	218
15°	1947	539
25°	1296	567
35°	209	162
45°	17	16
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1301381

CATALOG NUMBER: P3A17R50W2N902750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2396.9
1°	2393.2
2°	2382.5
3°	2367.2
4°	2346.5
5°	2324.2
6°	2300.3
7°	2274.8
8°	2250.9
9°	2223.4
10°	2192.6
11°	2157.0
12°	2116.2
13°	2065.2
14°	2010.0
15°	1946.9
16°	1880.0
17°	1815.3
18°	1749.0
19°	1690.6
20°	1638.6
21°	1588.7
22°	1531.9
23°	1466.7
24°	1390.3
25°	1296.3
26°	1194.5
27°	1080.9
28°	967.9
29°	845.8
30°	711.6
31°	585.8
32°	470.1
32.5°	419.7
33°	368.8
34°	282.8
35°	209.1
36°	153.4
37°	114.1
37.5°	98.7
38°	85.4
39°	66.3
40°	52.5
42.5°	29.7
45°	17.0



TEST NUMBER: P1301381

CATALOG NUMBER: P3A17R50W2N902750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.6
50°	3.7
52.5°	1.6
55°	1.1
57.5°	1.1
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
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)