

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: P1299141

Luminaire Tested: P3A17R15W2N902750DE010 E3D1LI_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R15W2N902750DE010 E3D1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

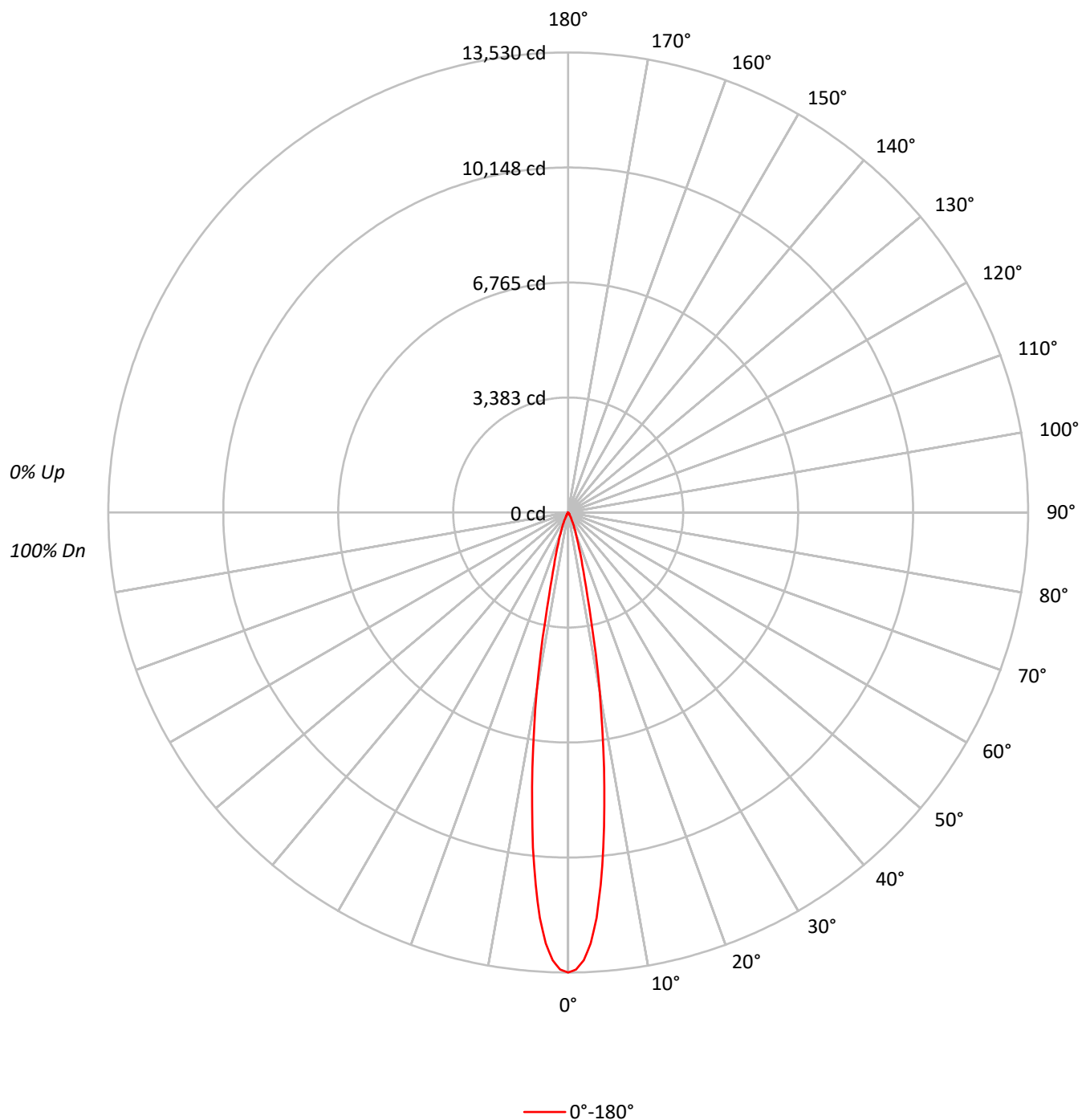
Lumens per Lamp: N/A
Luminaire Lumens: 1558.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299141

CATALOG NUMBER: P3A17R15W2N902750DE010 E3D1LI_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1299141

CATALOG NUMBER: P3A17R15W2N902750DE010 E3D1LI_5000K

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											100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98											98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96											96
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94											94
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92											92
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90											90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88											88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87											87
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85											85
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	85	84											84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82											82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2966824
5°	2419254
10°	1184814
15°	362635
20°	153570
25°	69464
30°	27067
35°	12501
40°	3893
45°	1458
50°	614
55°	229
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1458 cd/sqm

TEST NUMBER: P1299141

CATALOG NUMBER: P3A17R15W2N902750DE010 E3D1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.5	54.9
10°-20°	524.9	33.7
20°-30°	141.0	9.0
30°-40°	31.1	2.0
40°-50°	4.4	0.3
50°-60°	0.8	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°	1521.4	97.7
0°-40°	1552.5	99.6
0°-60°	1557.7	100.0
0°-90°	1558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13530	
5°	10991	855
15°	1597	525
25°	287	141
35°	47	31
45°	5	4
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

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CATALOG NUMBER: P3A17R15W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	13529.8
1°	13445.4
2°	13174.2
3°	12685.6
4°	11950.1
5°	10990.7
6°	9905.5
7°	8696.7
8°	7586.1
9°	6408.7
10°	5321.1
11°	4244.7
12°	3265.8
13°	2512.0
14°	1988.5
15°	1597.4
17.5°	990.1
20°	658.1
22.5°	443.1
25°	287.1
27.5°	170.1
30°	106.9
32.5°	72.1
35°	46.7
37.5°	26.0
40°	13.6
42.5°	7.7
45°	4.7
47.5°	3.0
50°	1.8
52.5°	1.2
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.0
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



TEST NUMBER: P1299141

CATALOG NUMBER: P3A17R15W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (continued):



(END OF REPORT)