

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: P1301179

Luminaire Tested: P3A17R45W2N902750DE010 E3DLP1LI_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R45W2N902750DE010 E3DLP1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

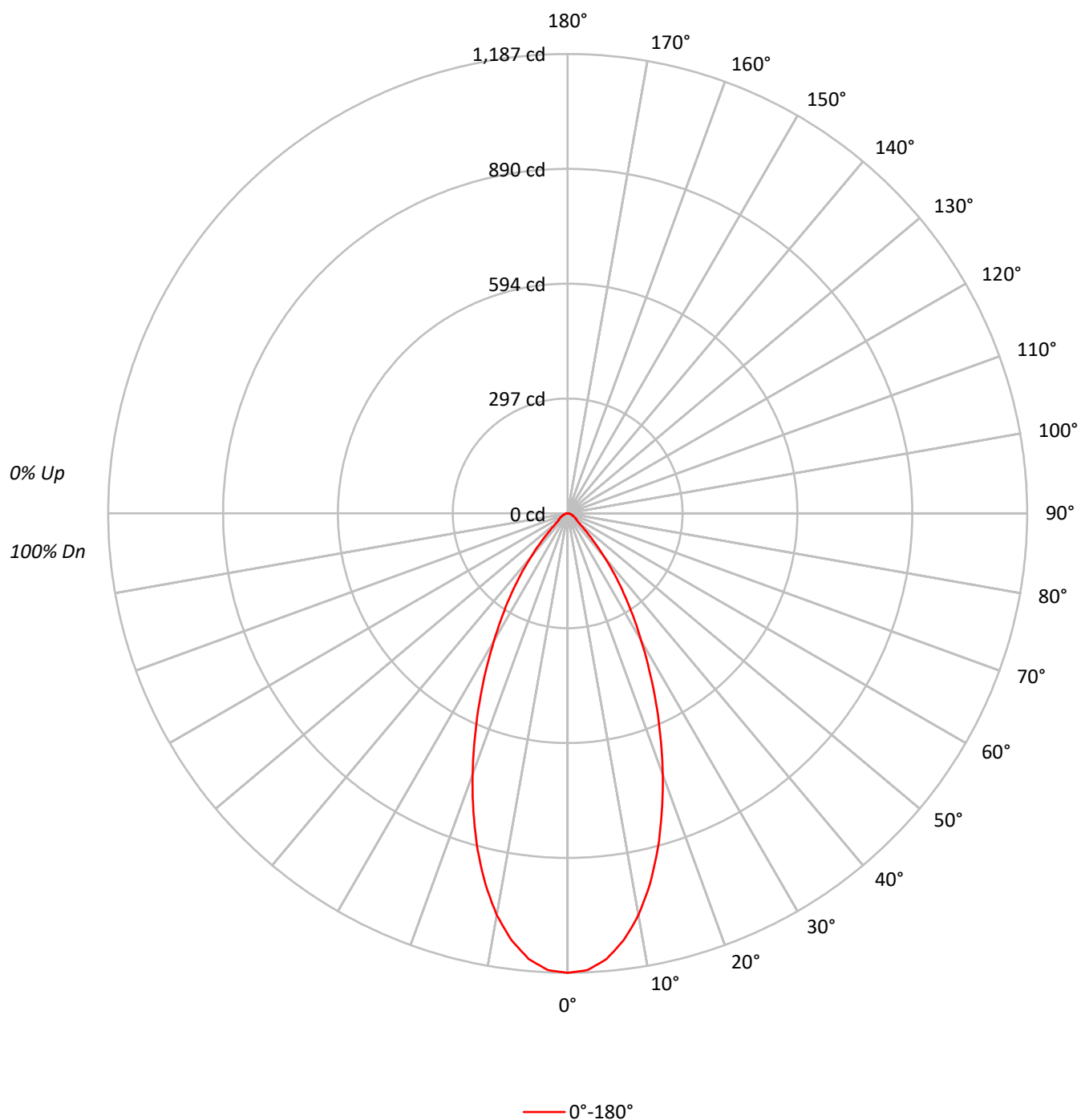
Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1301179

CATALOG NUMBER: P3A17R45W2N902750DE010 E3DLP1LI_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1301179

CATALOG NUMBER: P3A17R45W2N902750DE010 E3DLP1LI_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69	65	61	60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58	56
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	260330
5°	254391
10°	234665
15°	204065
20°	167641
25°	130435
30°	96319
35°	67780
40°	42308
45°	22917
50°	12383
55°	10666
60°	9561
65°	8146
70°	6988
75°	7202
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22917 cd/sqm

TEST NUMBER: P1301179

CATALOG NUMBER: P3A17R45W2N902750DE010 E3DLP1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	12.2
10°-20°	248.5	28.4
20°-30°	246.7	28.2
30°-40°	158.9	18.2
40°-50°	61.2	7.0
50°-60°	24.9	2.8
60°-70°	15.7	1.8
70°-80°	8.5	1.0
80°-90°	2.6	0.3
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°	602.2	68.9
0°-40°	761.1	87.1
0°-60°	847.2	96.9
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1187	
5°	1156	107
15°	899	248
25°	539	247
35°	253	159
45°	74	61
55°	28	25
65°	16	16
75°	8	8
85°	2	3
90°	0	



TEST NUMBER: P1301179

CATALOG NUMBER: P3A17R45W2N902750DE010 E3DLP1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1187.2
2.5°	1181.1
5°	1155.7
7.5°	1112.1
10°	1053.9
12.5°	981.3
15°	898.9
17.5°	809.2
20°	718.4
22.5°	626.3
25°	539.1
27.5°	456.7
30°	380.4
32.5°	313.8
35°	253.2
37.5°	198.7
40°	147.8
42.5°	106.6
45°	73.9
47.5°	49.7
50°	36.3
52.5°	30.3
55°	27.9
57.5°	24.2
60°	21.8
62.5°	18.2
65°	15.7
67.5°	13.3
70°	10.9
72.5°	9.7
75°	8.5
77.5°	6.1
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)