

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: P1270285

Luminaire Tested: P3A17R509740DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509740DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

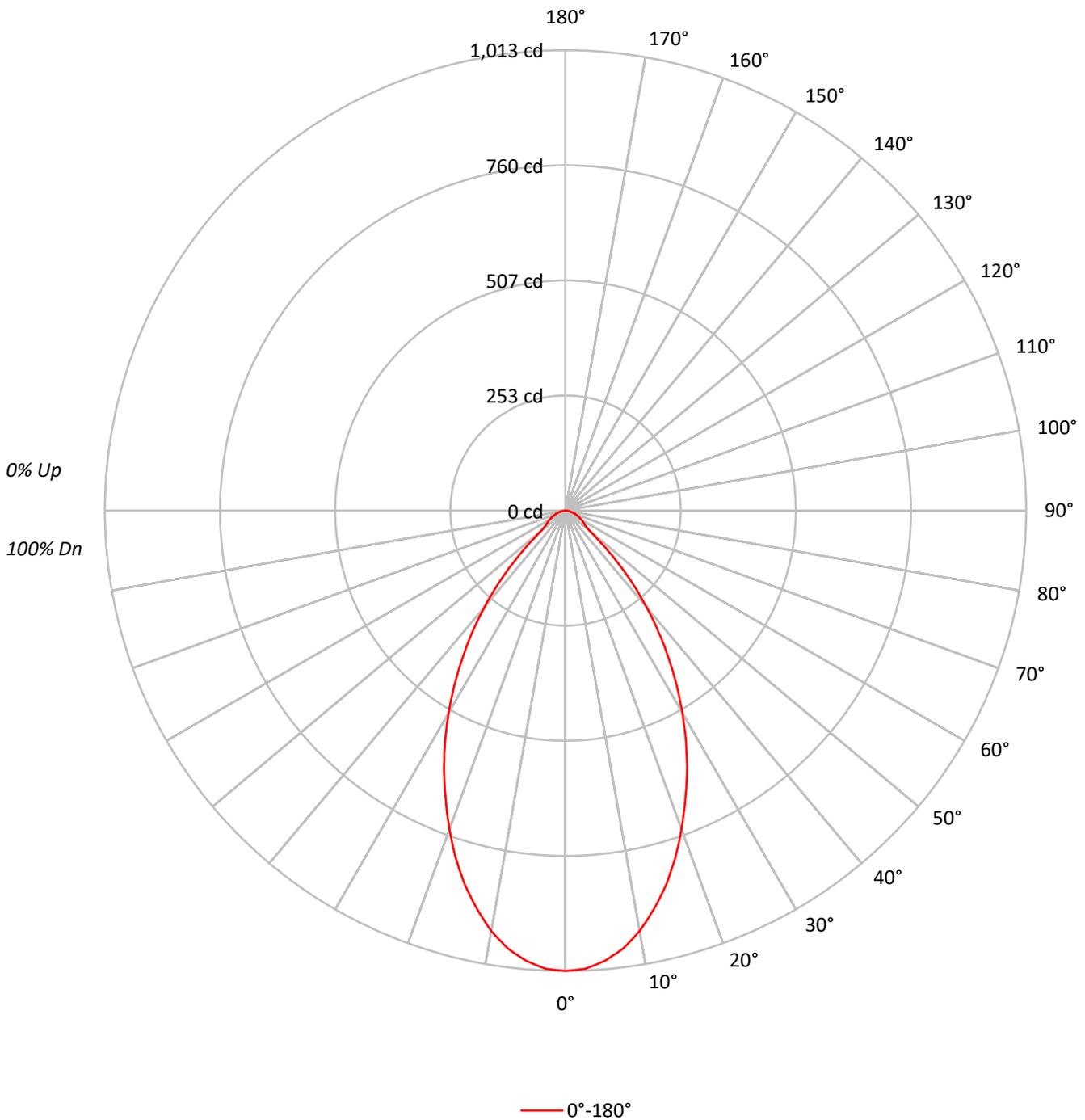
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1093.0 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1270285
CATALOG NUMBER: P3A17R509740DE010 E3DLD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1270285
 CATALOG NUMBER: P3A17R509740DE010 E3DLD1LI

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222109
5°	218842
10°	209148
15°	193713
20°	174082
25°	153033
30°	130147
35°	105524
40°	79263
45°	51075
50°	24255
55°	19077
60°	18069
65°	16811
70°	15195
75°	13725
80°	12628
85°	12580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51075 cd/sqm



TEST NUMBER: P1270285
 CATALOG NUMBER: P3A17R509740DE010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	8.5
10°-20°	237.9	21.8
20°-30°	289.0	26.4
30°-40°	245.1	22.4
40°-50°	127.3	11.7
50°-60°	45.9	4.2
60°-70°	31.8	2.9
70°-80°	17.3	1.6
80°-90°	5.4	0.5
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°	620.1	56.7
0°-40°	865.3	79.2
0°-60°	1038.6	95.0
0°-90°	1093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1093.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1013	
5°	994	93
15°	853	238
25°	632	289
35°	394	245
45°	165	127
55°	50	46
65°	32	32
75°	16	17
85°	5	5
90°	0	



TEST NUMBER: P1270285
CATALOG NUMBER: P3A17R509740DE010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1012.9
2.5°	1009.2
5°	994.2
7.5°	971.8
10°	939.3
12.5°	898.2
15°	853.3
17.5°	802.1
20°	746.0
22.5°	688.6
25°	632.5
27.5°	573.8
30°	514.0
32.5°	454.1
35°	394.2
37.5°	335.6
40°	276.9
42.5°	220.8
45°	164.7
47.5°	109.8
50°	71.1
52.5°	54.9
55°	49.9
57.5°	44.9
60°	41.2
62.5°	36.2
65°	32.4
67.5°	27.4
70°	23.7
72.5°	20.0
75°	16.2
77.5°	12.5
80°	10.0
82.5°	7.5
85°	5.0
87.5°	2.5
90°	0.0

(END OF REPORT)