

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: P1270231

Luminaire Tested: P3A17R409740DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409740DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

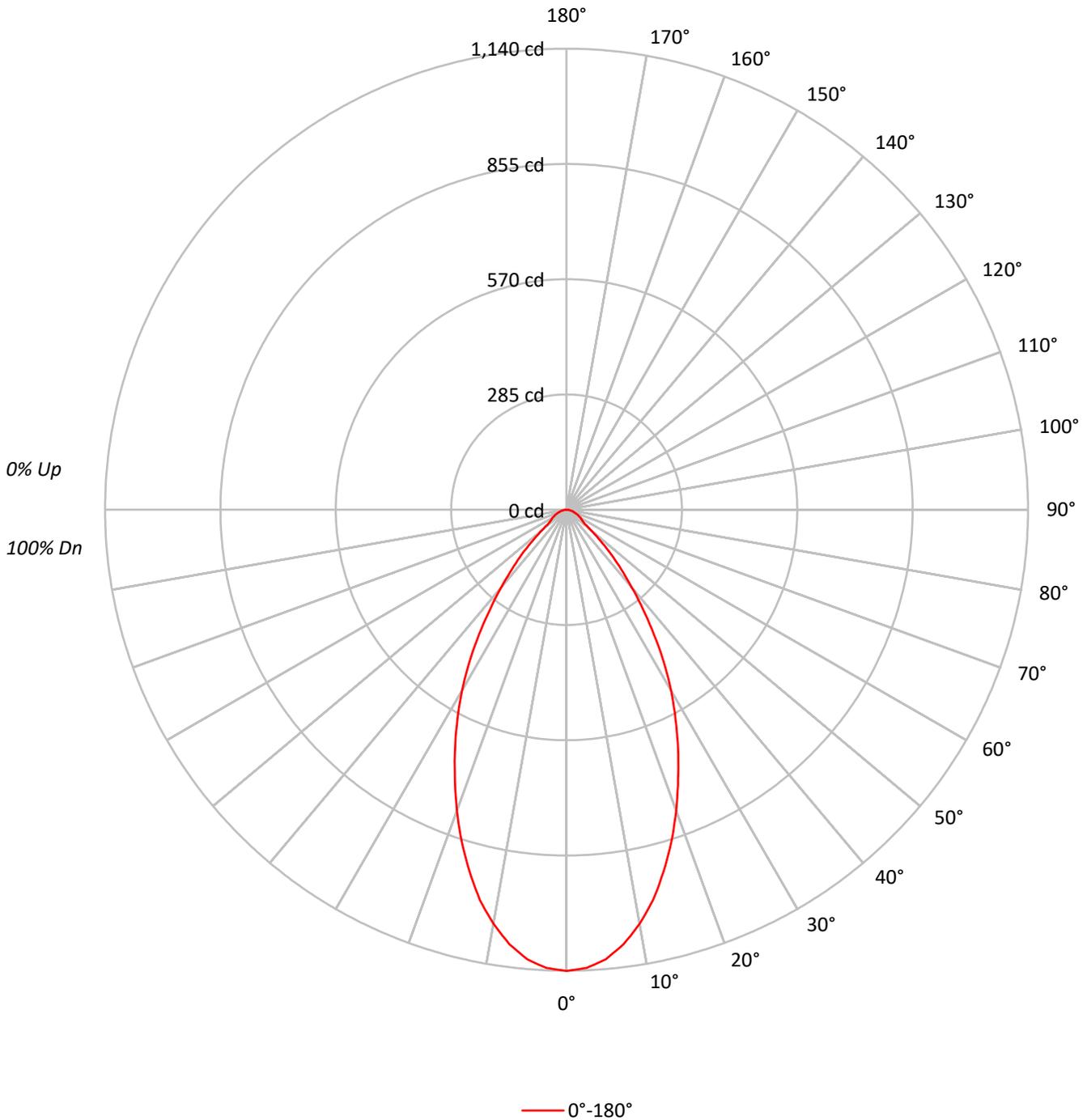
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69				69
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64				64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59				59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55				55
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51				51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48				48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	250068
5°	245542
10°	231459
15°	210217
20°	184676
25°	157703
30°	130653
35°	100759
40°	71706
45°	48315
50°	26370
55°	18580
60°	17499
65°	16189
70°	14361
75°	13725
80°	10986
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 48315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	9.3
10°-20°	258.0	23.2
20°-30°	298.2	26.8
30°-40°	235.0	21.1
40°-50°	120.6	10.8
50°-60°	46.1	4.1
60°-70°	30.5	2.7
70°-80°	16.6	1.5
80°-90°	4.9	0.4
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°	660.2	59.3
0°-40°	895.2	80.4
0°-60°	1062.0	95.3
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1140	
5°	1116	104
15°	926	258
25°	652	298
35°	376	235
45°	156	121
55°	49	46
65°	31	31
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1140.4
2.5°	1134.2
5°	1115.5
7.5°	1083.1
10°	1039.5
12.5°	988.4
15°	926.0
17.5°	861.2
20°	791.4
22.5°	720.4
25°	651.8
27.5°	583.3
30°	516.0
32.5°	447.4
35°	376.4
37.5°	310.3
40°	250.5
42.5°	199.4
45°	155.8
47.5°	113.4
50°	77.3
52.5°	56.1
55°	48.6
57.5°	43.6
60°	39.9
62.5°	34.9
65°	31.2
67.5°	26.2
70°	22.4
72.5°	18.7
75°	16.2
77.5°	12.5
80°	8.7
82.5°	7.5
85°	3.7
87.5°	2.5
90°	0.0

(END OF REPORT)