

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: P1263252

Luminaire Tested: P3A17R709727DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R709727DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

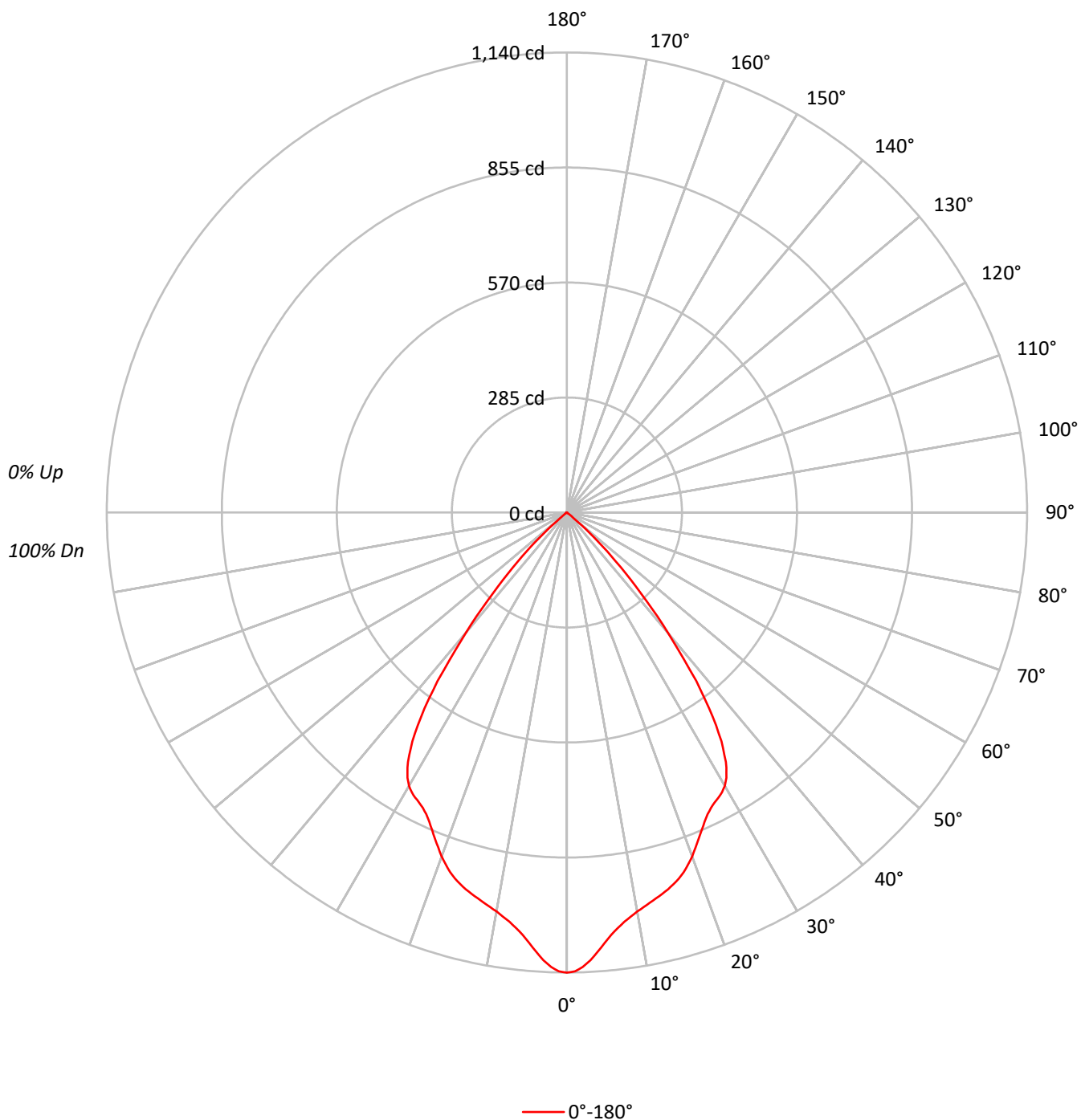
Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	250046
5°	235769
10°	223576
15°	219547
20°	211628
25°	199487
30°	198056
35°	172501
40°	111580
45°	52750
50°	7403
55°	612
60°	482
65°	571
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	7.8
10°-20°	271.6	21.1
20°-30°	384.2	29.9
30°-40°	386.1	30.0
40°-50°	138.9	10.8
50°-60°	3.7	0.3
60°-70°	0.9	0.1
70°-80°	0.5	0.0
80°-90°	0.1	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°	755.8	58.8
0°-40°	1141.9	88.8
0°-60°	1284.5	99.9
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1140	
5°	1071	100
15°	967	272
25°	824	384
35°	644	386
45°	170	139
55°	2	4
65°	1	1
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1140.3
1°	1137.2
2°	1127.1
3°	1111.3
4°	1091.2
5°	1071.1
6°	1052.1
7°	1037.3
8°	1024.1
9°	1013.6
10°	1004.1
11°	996.1
12°	988.8
13°	981.4
14°	974.5
15°	967.1
16°	958.1
17°	948.6
18°	937.0
19°	922.7
20°	906.9
21°	889.5
22°	872.0
23°	855.1
24°	838.7
25°	824.5
26°	814.5
27°	806.5
28°	800.2
29°	792.8
30°	782.2
31°	766.9
32°	745.3
32.5°	733.1
33°	716.7
34°	684.5
35°	644.4
36°	600.0
37°	549.8
37.5°	526.6
38°	494.9
39°	438.4
40°	389.8
42.5°	269.9
45°	170.1

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	91.4
50°	21.7
52.5°	2.6
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)