

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: P1249479

Luminaire Tested: P3AS13R709027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249479
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: P3AS13R709027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

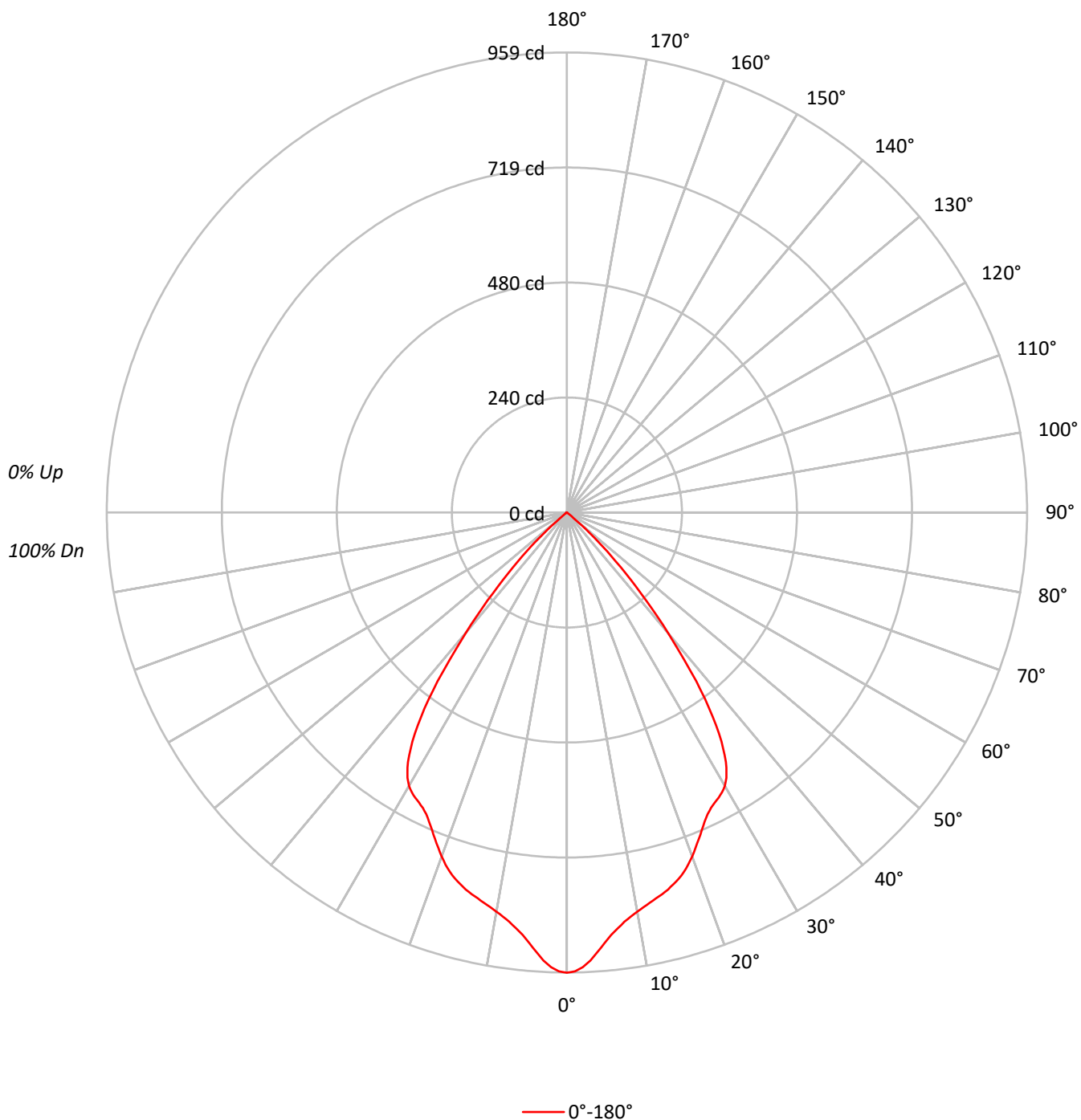
Lumens per Lamp: N/A
Luminaire Lumens: 1081.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	210378
5°	198371
10°	188106
15°	184723
20°	178049
25°	167840
30°	166633
35°	145143
40°	93890
45°	44377
50°	6209
55°	497
60°	395
65°	467
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	7.8
10°-20°	228.5	21.1
20°-30°	323.3	29.9
30°-40°	324.9	30.0
40°-50°	116.8	10.8
50°-60°	3.1	0.3
60°-70°	0.7	0.1
70°-80°	0.4	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°	635.9	58.8
0°-40°	960.8	88.8
0°-60°	1080.7	99.9
0°-90°	1081.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1081.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	959	
5°	901	84
15°	814	229
25°	694	323
35°	542	325
45°	143	117
55°	1	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	959.4
1°	956.8
2°	948.3
3°	935.0
4°	918.1
5°	901.2
6°	885.2
7°	872.8
8°	861.7
9°	852.8
10°	844.8
11°	838.1
12°	831.9
13°	825.7
14°	819.9
15°	813.7
16°	806.1
17°	798.1
18°	788.4
19°	776.4
20°	763.0
21°	748.4
22°	733.7
23°	719.5
24°	705.7
25°	693.7
26°	685.3
27°	678.6
28°	673.3
29°	667.0
30°	658.1
31°	645.3
32°	627.0
32.5°	616.8
33°	603.0
34°	575.9
35°	542.2
36°	504.8
37°	462.6
37.5°	443.1
38°	416.4
39°	368.8
40°	328.0
42.5°	227.1
45°	143.1

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	76.9
50°	18.2
52.5°	2.2
55°	1.3
57.5°	1.3
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)