

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: P1249855

Luminaire Tested: P3AS17R709027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249855
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: P3AS17R709027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

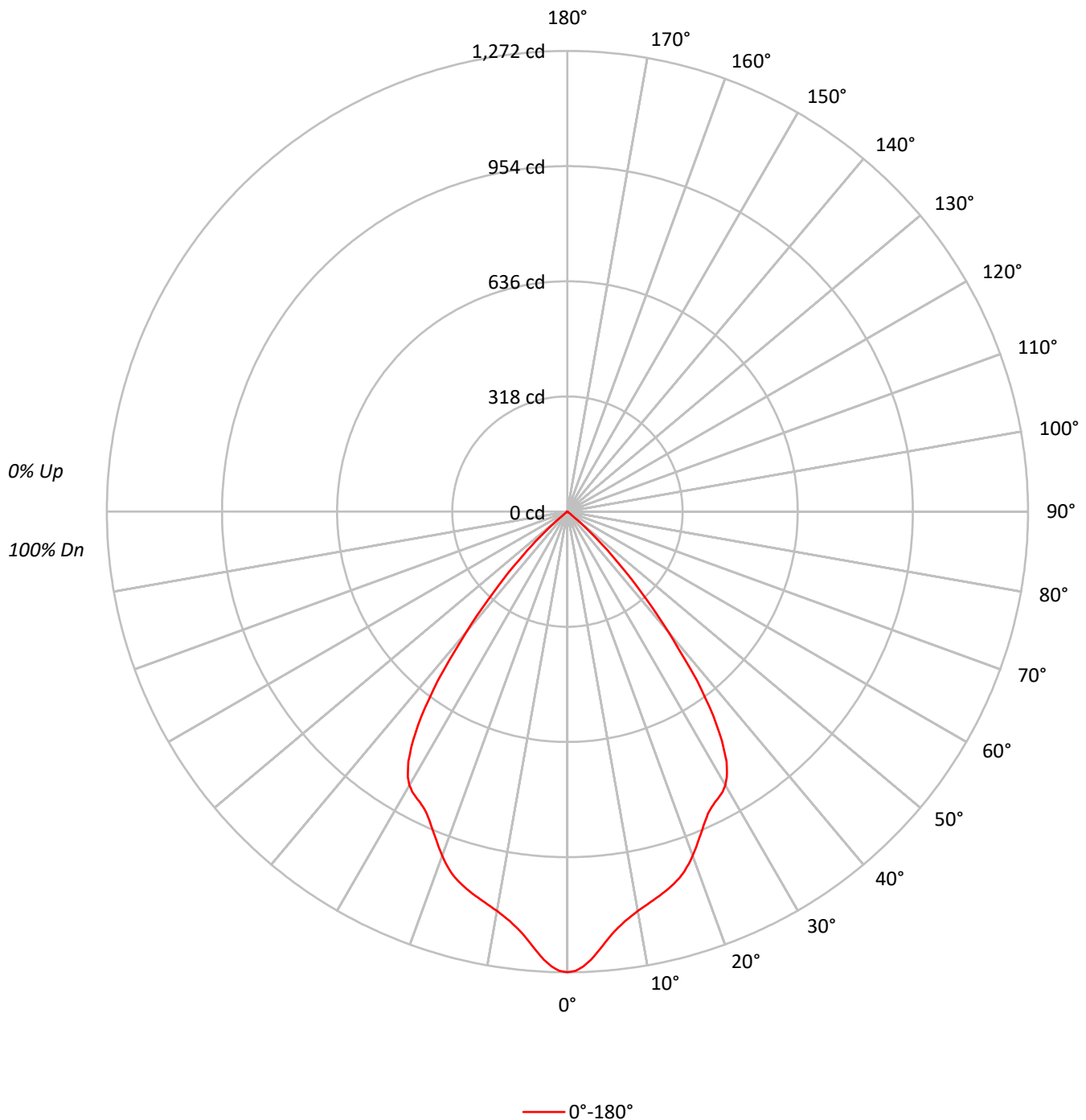
Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1249855

CATALOG NUMBER: P3AS17R709027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1249855

CATALOG NUMBER: P3AS17R709027DE010 E3D1LI

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°	278837
5°	262909
10°	249294
15°	244814
20°	235991
25°	222448
30°	220869
35°	192337
40°	124433
45°	58797
50°	8221
55°	688
60°	526
65°	623
70°	385
75°	508
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58797 cd/sqm

TEST NUMBER: P1249855

CATALOG NUMBER: P3AS17R709027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	7.8
10°-20°	302.8	21.1
20°-30°	428.4	29.9
30°-40°	430.5	30.0
40°-50°	154.8	10.8
50°-60°	4.2	0.3
60°-70°	1.0	0.1
70°-80°	0.6	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°	842.8	58.8
0°-40°	1273.4	88.8
0°-60°	1432.4	99.9
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1272	
5°	1194	112
15°	1078	303
25°	919	428
35°	718	431
45°	190	155
55°	2	4
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1249855

CATALOG NUMBER: P3AS17R709027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1271.6
1°	1268.0
2°	1256.8
3°	1239.2
4°	1216.8
5°	1194.4
6°	1173.2
7°	1156.7
8°	1142.0
9°	1130.2
10°	1119.6
11°	1110.8
12°	1102.5
13°	1094.3
14°	1086.6
15°	1078.4
16°	1068.4
17°	1057.8
18°	1044.8
19°	1028.9
20°	1011.3
21°	991.8
22°	972.4
23°	953.5
24°	935.3
25°	919.4
26°	908.2
27°	899.3
28°	892.3
29°	884.0
30°	872.3
31°	855.2
32°	831.0
32.5°	817.5
33°	799.2
34°	763.3
35°	718.5
36°	669.1
37°	613.1
37.5°	587.2
38°	551.9
39°	488.8
40°	434.7
42.5°	301.0
45°	189.6



TEST NUMBER: P1249855

CATALOG NUMBER: P3AS17R709027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	101.9
50°	24.1
52.5°	2.9
55°	1.8
57.5°	1.8
60°	1.2
62.5°	1.2
65°	1.2
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)