

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: P1257947

Luminaire Tested: P3AS17R659040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R659040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

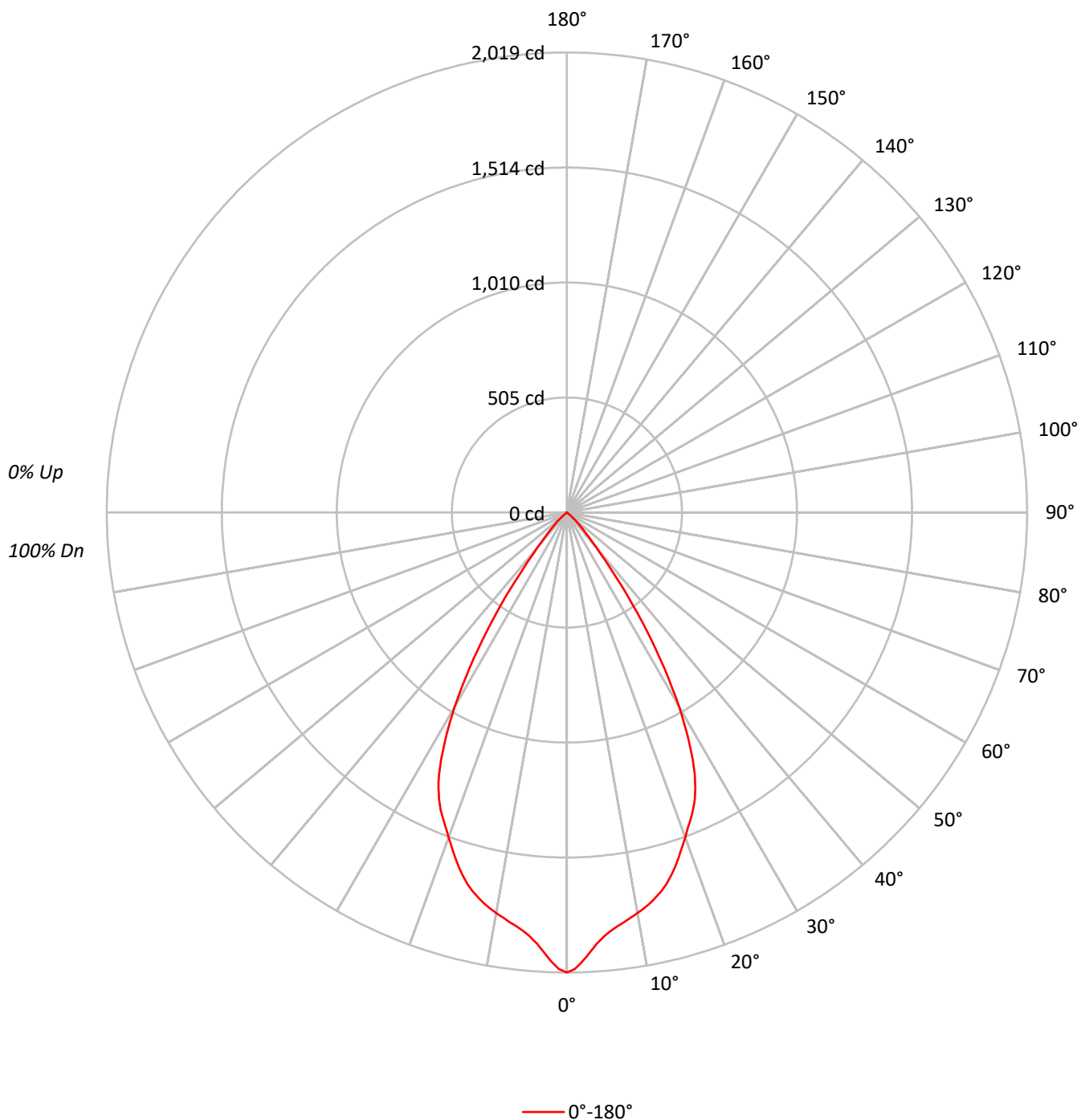
Lumens per Lamp: N/A
Luminaire Lumens: 1652.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1257947

CATALOG NUMBER: P3AS17R659040DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1257947

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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	442662
5°	411027
10°	397476
15°	383067
20°	354137
25°	322664
30°	249304
35°	144500
40°	57336
45°	24437
50°	5799
55°	765
60°	614
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24437 cd/sqm

TEST NUMBER: P1257947

CATALOG NUMBER: P3AS17R659040DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	10.7
10°-20°	470.2	28.5
20°-30°	595.1	36.0
30°-40°	338.8	20.5
40°-50°	67.3	4.1
50°-60°	3.5	0.2
60°-70°	0.9	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	1241.3	75.1
0°-40°	1580.2	95.6
0°-60°	1651.0	99.9
0°-90°	1652.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2019	
5°	1867	176
15°	1687	470
25°	1334	595
35°	540	339
45°	79	67
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1257947

CATALOG NUMBER: P3AS17R659040DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2018.7
1°	2003.8
2°	1971.2
3°	1933.2
4°	1895.8
5°	1867.3
6°	1846.2
7°	1829.3
8°	1814.3
9°	1799.4
10°	1785.1
11°	1769.5
12°	1753.2
13°	1733.5
14°	1712.5
15°	1687.4
16°	1657.5
17°	1624.9
18°	1589.6
19°	1552.2
20°	1517.6
21°	1482.3
22°	1450.4
23°	1417.1
24°	1378.4
25°	1333.6
26°	1279.9
27°	1215.4
28°	1142.8
29°	1065.4
30°	984.6
31°	895.6
32°	807.3
32.5°	761.9
33°	717.7
34°	628.1
35°	539.8
36°	458.3
37°	377.5
37.5°	336.1
38°	302.8
39°	245.1
40°	200.3
42.5°	123.6
45°	78.8



TEST NUMBER: P1257947

CATALOG NUMBER: P3AS17R659040DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	46.2
50°	17.0
52.5°	3.4
55°	2.0
57.5°	1.4
60°	1.4
62.5°	1.4
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)