

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: P1247412

Luminaire Tested: P3A17R559024DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559024DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

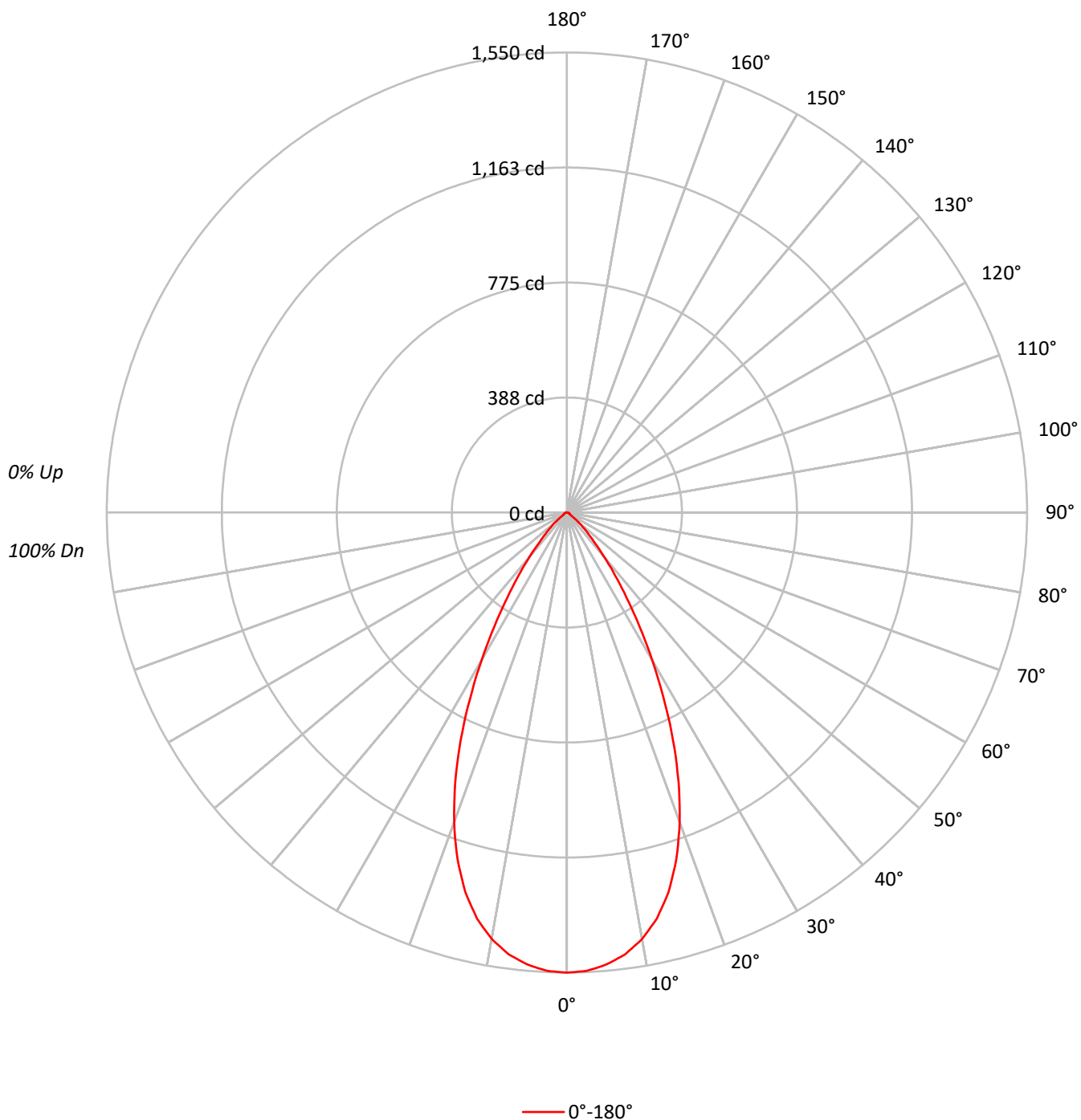
Lumens per Lamp: N/A
Luminaire Lumens: 1238.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247412

CATALOG NUMBER: P3A17R559024DE010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247412

CATALOG NUMBER: P3A17R559024DE010 E3DL1LI

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339951
5°	336495
10°	324955
15°	300365
20°	259186
25°	204713
30°	145212
35°	93639
40°	56248
45°	31693
50°	17057
55°	6079
60°	5482
65°	5292
70°	5129
75°	4829
80°	4293
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31693 cd/sqm

TEST NUMBER: P1247412

CATALOG NUMBER: P3A17R559024DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	11.6
10°-20°	365.9	29.6
20°-30°	383.4	31.0
30°-40°	223.7	18.1
40°-50°	83.7	6.8
50°-60°	19.7	1.6
60°-70°	10.1	0.8
70°-80°	6.0	0.5
80°-90°	1.7	0.1
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°	893.1	72.1
0°-40°	1116.8	90.2
0°-60°	1220.2	98.6
0°-90°	1238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1238.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1550	
5°	1529	144
15°	1323	366
25°	846	383
35°	350	224
45°	102	84
55°	16	20
65°	10	10
75°	6	6
85°	1	2
90°	0	

TEST NUMBER: P1247412

CATALOG NUMBER: P3A17R559024DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1550.3
2.5°	1545.7
5°	1528.7
7.5°	1501.4
10°	1459.4
12.5°	1400.4
15°	1323.1
17.5°	1225.5
20°	1110.7
22.5°	982.4
25°	846.1
27.5°	706.4
30°	573.5
32.5°	453.2
35°	349.8
37.5°	265.8
40°	196.5
42.5°	140.8
45°	102.2
47.5°	73.8
50°	50.0
52.5°	28.4
55°	15.9
57.5°	13.6
60°	12.5
62.5°	11.4
65°	10.2
67.5°	9.1
70°	8.0
72.5°	6.8
75°	5.7
77.5°	4.5
80°	3.4
82.5°	2.3
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)