

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: P1247424

Luminaire Tested: P3A17R559024DE010 E3DLP1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559024DE010 E3DLP1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

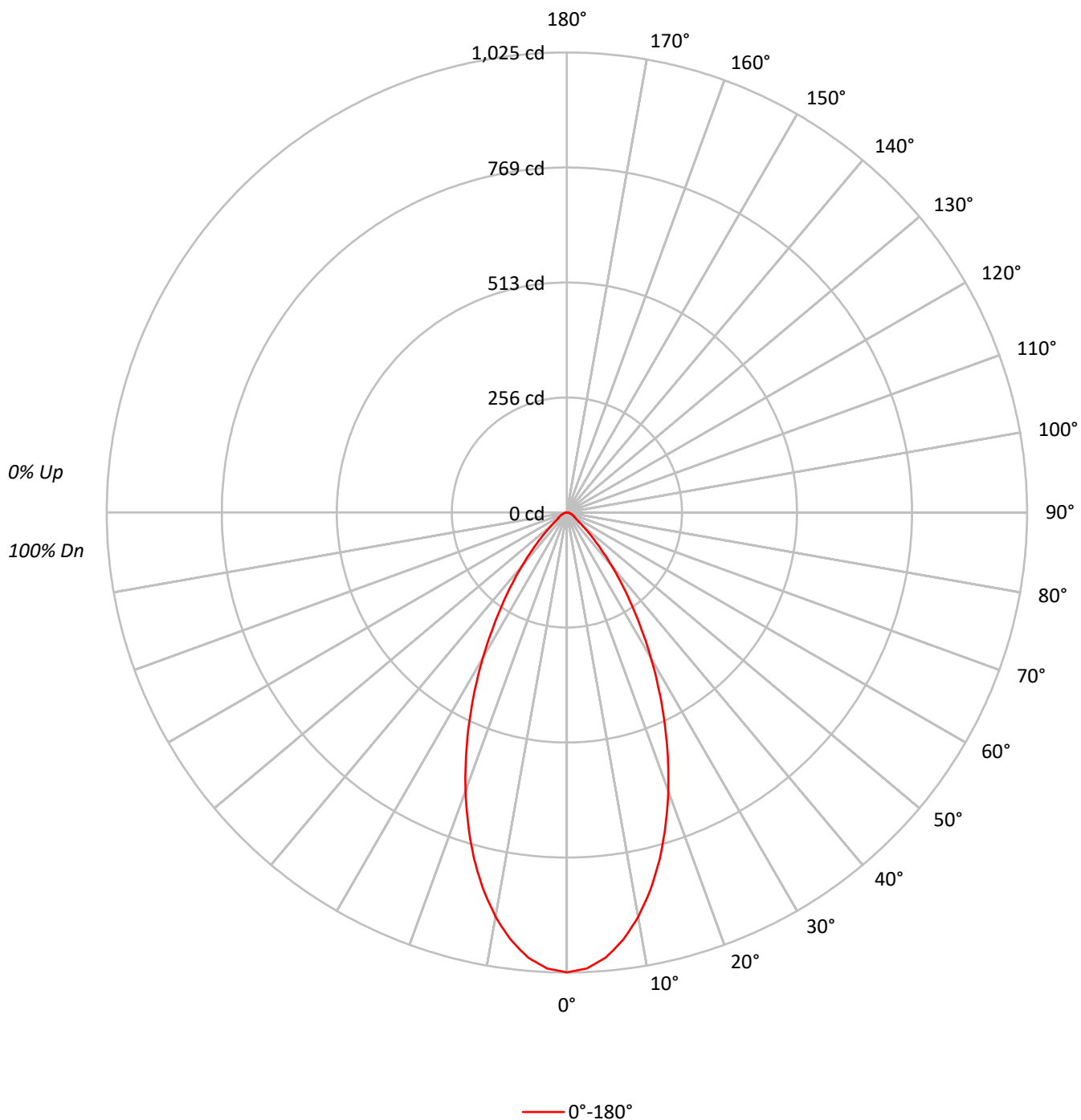
Lumens per Lamp: N/A
Luminaire Lumens: 826.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247424

CATALOG NUMBER: P3A17R559024DE010 E3DLP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247424

CATALOG NUMBER: P3A17R559024DE010 E3DLP1LI

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	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	224697
5°	219062
10°	203648
15°	181363
20°	154107
25°	124386
30°	94825
35°	67432
40°	44512
45°	26390
50°	15488
55°	9558
60°	8464
65°	7679
70°	6540
75°	5761
80°	5683
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26390 cd/sqm

TEST NUMBER: P1247424

CATALOG NUMBER: P3A17R559024DE010 E3DLP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	11.2
10°-20°	221.5	26.8
20°-30°	234.6	28.4
30°-40°	158.5	19.2
40°-50°	69.5	8.4
50°-60°	24.9	3.0
60°-70°	14.6	1.8
70°-80°	7.6	0.9
80°-90°	2.5	0.3
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°	548.5	66.4
0°-40°	707.0	85.6
0°-60°	801.3	97.0
0°-90°	826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1025	
5°	995	92
15°	799	221
25°	514	235
35°	252	159
45°	85	69
55°	25	25
65°	15	15
75°	7	8
85°	2	2
90°	0	

TEST NUMBER: P1247424

CATALOG NUMBER: P3A17R559024DE010 E3DLP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1024.7
2.5°	1016.8
5°	995.2
7.5°	960.0
10°	914.6
12.5°	860.2
15°	798.9
17.5°	730.8
20°	660.4
22.5°	586.7
25°	514.1
27.5°	442.6
30°	374.5
32.5°	309.8
35°	251.9
37.5°	199.7
40°	155.5
42.5°	116.9
45°	85.1
47.5°	62.4
50°	45.4
52.5°	31.8
55°	25.0
57.5°	22.7
60°	19.3
62.5°	17.0
65°	14.8
67.5°	12.5
70°	10.2
72.5°	9.1
75°	6.8
77.5°	5.7
80°	4.5
82.5°	3.4
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)