

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: P1247034

Luminaire Tested: P3A13R559024DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247034
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: P3A13R559024DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

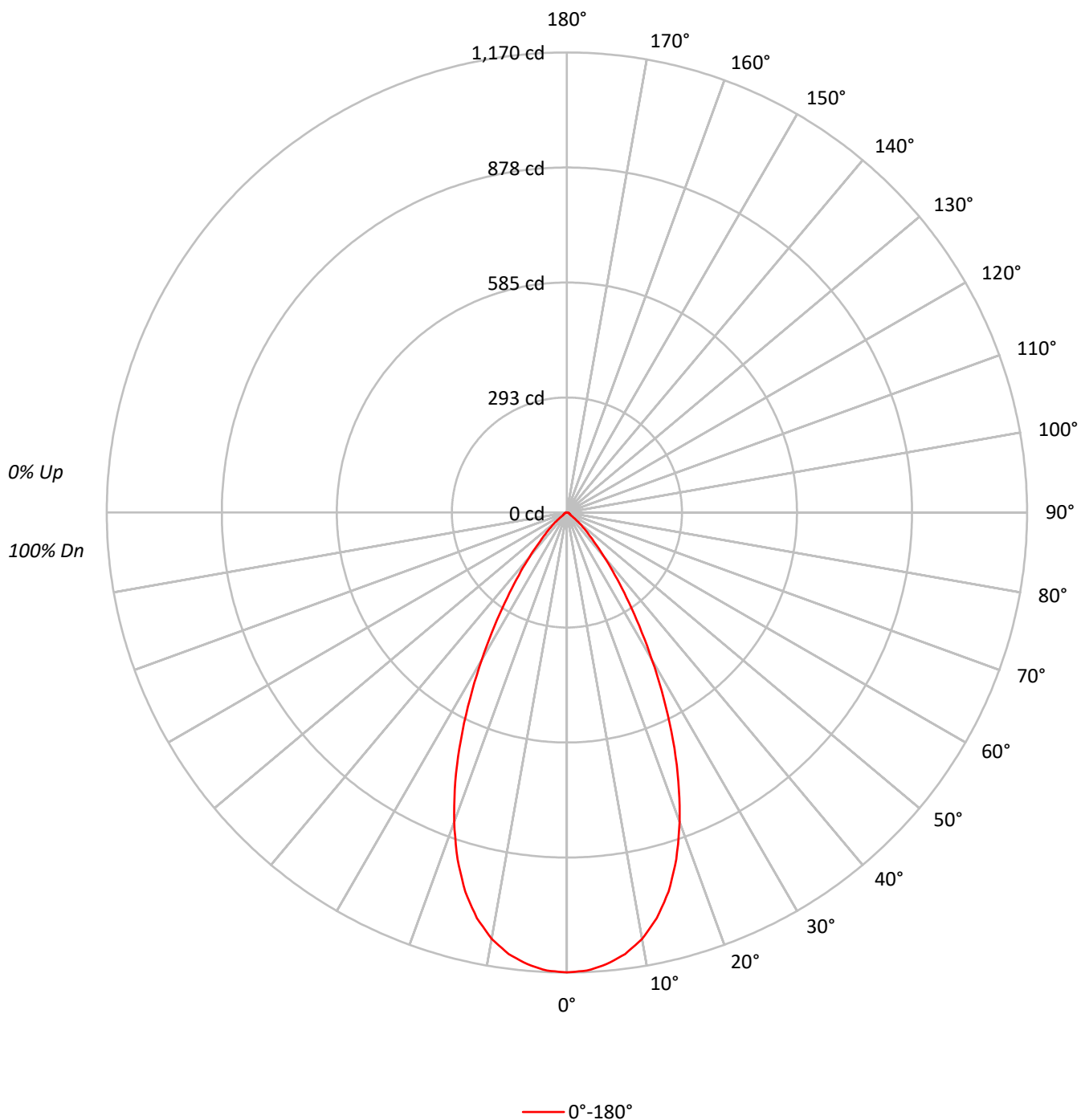
Lumens per Lamp: N/A
Luminaire Lumens: 934.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1247034

CATALOG NUMBER: P3A13R559024DE010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247034

CATALOG NUMBER: P3A13R559024DE010 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°	256471
5°	253862
10°	245152
15°	226607
20°	195550
25°	154461
30°	109561
35°	70644
40°	42422
45°	23909
50°	12861
55°	4588
60°	4122
65°	3995
70°	3847
75°	3643
80°	3283
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23909 cd/sqm

TEST NUMBER: P1247034

CATALOG NUMBER: P3A13R559024DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	11.6
10°-20°	276.0	29.6
20°-30°	289.3	31.0
30°-40°	168.8	18.1
40°-50°	63.1	6.8
50°-60°	14.9	1.6
60°-70°	7.6	0.8
70°-80°	4.5	0.5
80°-90°	1.3	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°	673.8	72.1
0°-40°	842.6	90.2
0°-60°	920.6	98.6
0°-90°	934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1170	
5°	1153	108
15°	998	276
25°	638	289
35°	264	169
45°	77	63
55°	12	15
65°	8	8
75°	4	5
85°	1	1
90°	0	

TEST NUMBER: P1247034

CATALOG NUMBER: P3A13R559024DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1169.6
2.5°	1166.2
5°	1153.3
7.5°	1132.8
10°	1101.0
12.5°	1056.5
15°	998.2
17.5°	924.5
20°	838.0
22.5°	741.2
25°	638.4
27.5°	533.0
30°	432.7
32.5°	341.9
35°	263.9
37.5°	200.5
40°	148.2
42.5°	106.2
45°	77.1
47.5°	55.7
50°	37.7
52.5°	21.4
55°	12.0
57.5°	10.3
60°	9.4
62.5°	8.6
65°	7.7
67.5°	6.9
70°	6.0
72.5°	5.1
75°	4.3
77.5°	3.4
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)