

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: P1247031

Luminaire Tested: P3A13R559024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

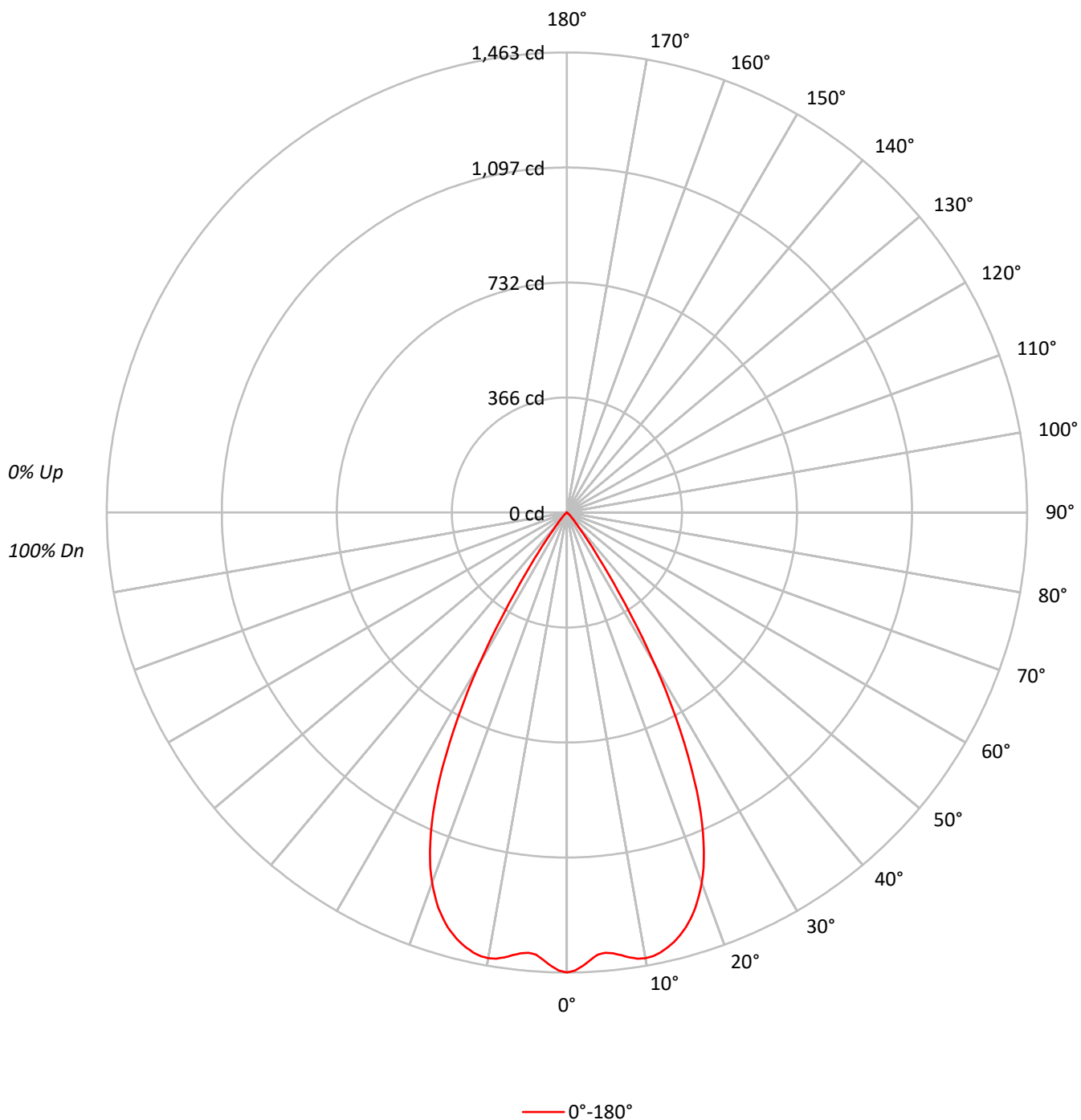
Lumens per Lamp: N/A
Luminaire Lumens: 1105.9 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247031

CATALOG NUMBER: P3A13R559024DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1247031

CATALOG NUMBER: P3A13R559024DE010 E3D1WMH

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	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320720
5°	309376
10°	320435
15°	315916
20°	292392
25°	236457
30°	141718
35°	48024
40°	13225
45°	5861
50°	1706
55°	306
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5861 cd/sqm

TEST NUMBER: P1247031

CATALOG NUMBER: P3A13R559024DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	12.3
10°-20°	387.5	35.0
20°-30°	430.7	38.9
30°-40°	134.1	12.1
40°-50°	16.1	1.5
50°-60°	1.2	0.1
60°-70°	0.4	0.0
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°	954.1	86.3
0°-40°	1088.2	98.4
0°-60°	1105.5	100.0
0°-90°	1105.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1105.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1463	
5°	1406	136
15°	1392	387
25°	977	431
35°	179	134
45°	19	16
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247031

CATALOG NUMBER: P3A13R559024DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1462.6
1°	1457.2
2°	1442.9
3°	1425.2
4°	1409.3
5°	1405.5
6°	1409.7
7°	1418.5
8°	1428.6
9°	1436.6
10°	1439.1
11°	1437.4
12°	1430.7
13°	1420.2
14°	1408.0
15°	1391.6
16°	1372.7
17°	1348.8
18°	1321.9
19°	1289.5
20°	1253.0
21°	1211.4
22°	1162.2
23°	1108.0
24°	1045.8
25°	977.3
26°	902.1
27°	822.3
28°	737.0
29°	649.2
30°	559.7
31°	469.8
32°	381.9
32.5°	342.9
33°	302.5
34°	234.0
35°	179.4
36°	136.6
37°	101.3
37.5°	86.6
38°	75.2
39°	57.1
40°	46.2
42.5°	29.4
45°	18.9

TEST NUMBER: P1247031

CATALOG NUMBER: P3A13R559024DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	11.3
50°	5.0
52.5°	1.7
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)