

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: P1274157

Luminaire Tested: P3A13R559830DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274157
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: P3A13R559830DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

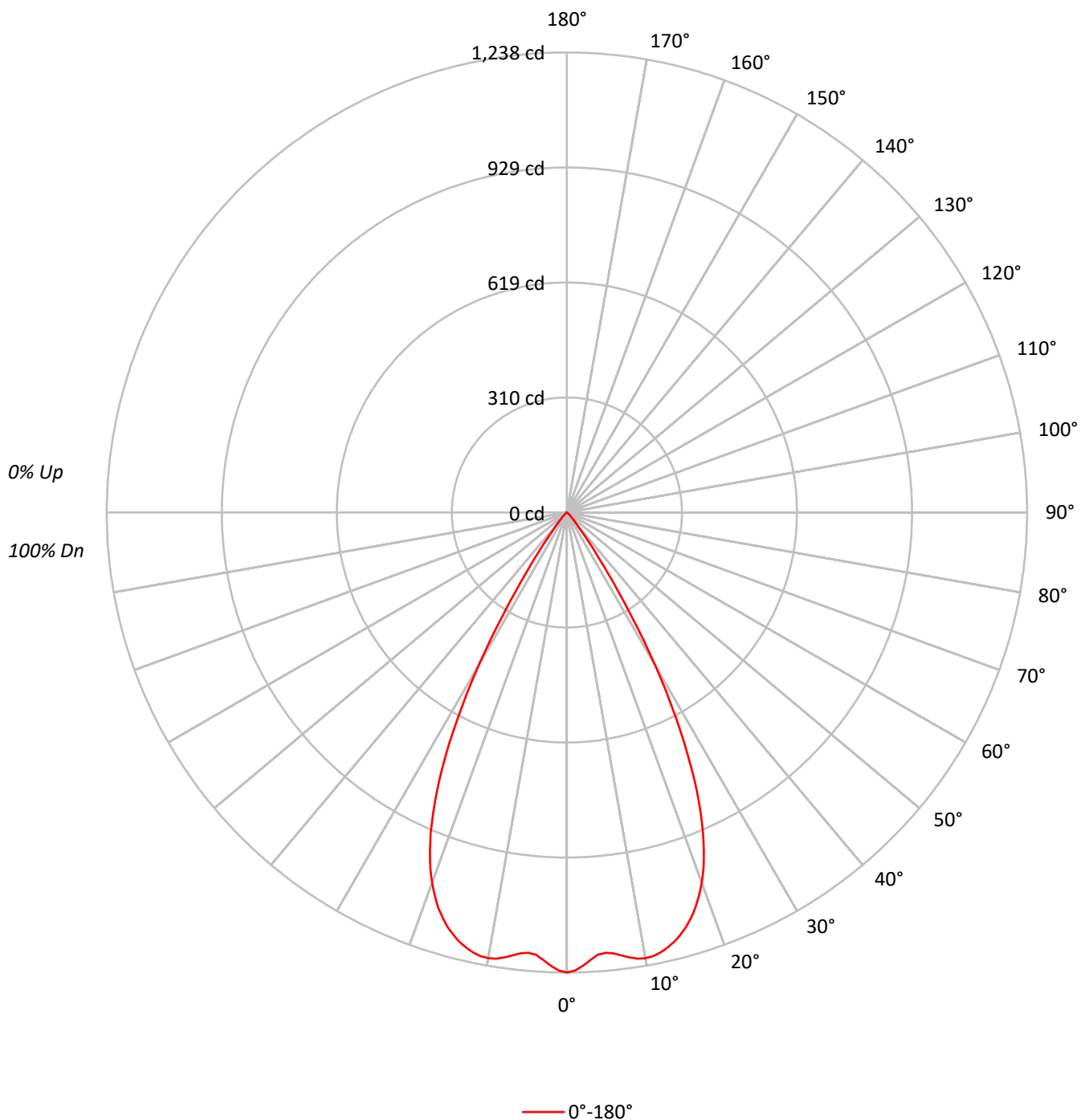
Lumens per Lamp: N/A
Luminaire Lumens: 936.1 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1274157

CATALOG NUMBER: P3A13R559830DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1274157

CATALOG NUMBER: P3A13R559830DE010 E3D1LI

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	82	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	65	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°	271426
5°	261831
10°	271182
15°	267357
20°	247448
25°	200116
30°	119917
35°	40636
40°	11192
45°	4962
50°	1467
55°	268
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4962 cd/sqm

TEST NUMBER: P1274157

CATALOG NUMBER: P3A13R559830DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	12.3
10°-20°	327.9	35.0
20°-30°	364.5	38.9
30°-40°	113.5	12.1
40°-50°	13.6	1.5
50°-60°	1.1	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°	807.5	86.3
0°-40°	920.9	98.4
0°-60°	935.6	100.0
0°-90°	936.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1238	
5°	1190	115
15°	1178	328
25°	827	364
35°	152	113
45°	16	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1274157

CATALOG NUMBER: P3A13R559830DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1237.8
1°	1233.2
2°	1221.1
3°	1206.2
4°	1192.7
5°	1189.5
6°	1193.0
7°	1200.5
8°	1209.0
9°	1215.8
10°	1217.9
11°	1216.5
12°	1210.8
13°	1201.9
14°	1191.6
15°	1177.7
16°	1161.7
17°	1141.5
18°	1118.7
19°	1091.3
20°	1060.4
21°	1025.2
22°	983.6
23°	937.7
24°	885.1
25°	827.1
26°	763.5
27°	695.9
28°	623.7
29°	549.4
30°	473.6
31°	397.6
32°	323.2
32.5°	290.2
33°	256.0
34°	198.1
35°	151.8
36°	115.6
37°	85.7
37.5°	73.3
38°	63.7
39°	48.4
40°	39.1
42.5°	24.9
45°	16.0



TEST NUMBER: P1274157
CATALOG NUMBER: P3A13R559830DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.6
50°	4.3
52.5°	1.4
55°	0.7
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)