

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: P1249249

Luminaire Tested: P3AS13R309027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R309027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

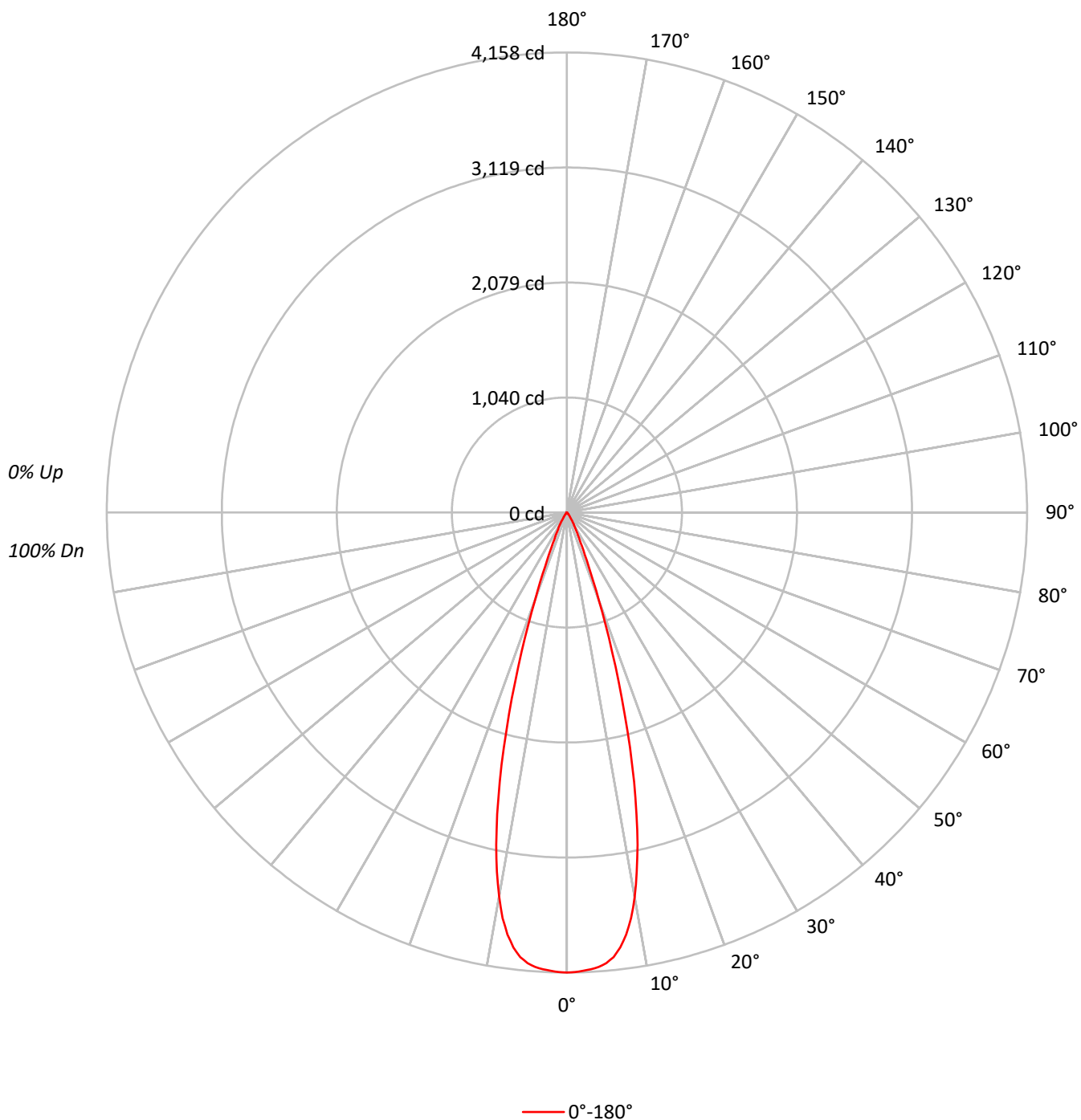
Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1249249

CATALOG NUMBER: P3AS13R309027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1249249

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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	911791
5°	899910
10°	785690
15°	499390
20°	197861
25°	66076
30°	30739
35°	13920
40°	5353
45°	2636
50°	751
55°	344
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2636 cd/sqm

TEST NUMBER: P1249249

CATALOG NUMBER: P3AS13R309027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	32.6
10°-20°	579.6	50.6
20°-30°	149.5	13.0
30°-40°	35.1	3.1
40°-50°	6.9	0.6
50°-60°	0.8	0.1
60°-70°	0.3	0.0
70°-80°	0.0	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°	1102.9	96.2
0°-40°	1138.0	99.3
0°-60°	1145.6	100.0
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4158	
5°	4088	374
15°	2200	580
25°	273	149
35°	52	35
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1249249

CATALOG NUMBER: P3AS13R309027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4158.1
1°	4155.0
2°	4145.2
3°	4134.1
4°	4117.6
5°	4088.3
6°	4040.7
7°	3961.5
8°	3853.4
9°	3712.4
10°	3528.6
11°	3310.2
12°	3071.8
13°	2797.3
14°	2509.9
15°	2199.8
16°	1896.0
17°	1603.3
18°	1322.6
19°	1065.0
20°	847.9
21°	667.3
22°	524.9
23°	415.5
24°	332.8
25°	273.1
26°	227.8
27°	193.5
28°	167.3
29°	143.2
30°	121.4
32.5°	76.5
35°	52.0
37.5°	32.5
40°	18.7
42.5°	12.5
45°	8.5
47.5°	4.9
50°	2.2
52.5°	0.9
55°	0.9
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4



TEST NUMBER: P1249249

CATALOG NUMBER: P3AS13R309027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.0
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)