

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: P1252070

Luminaire Tested: P3AS13R509030DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R509030DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

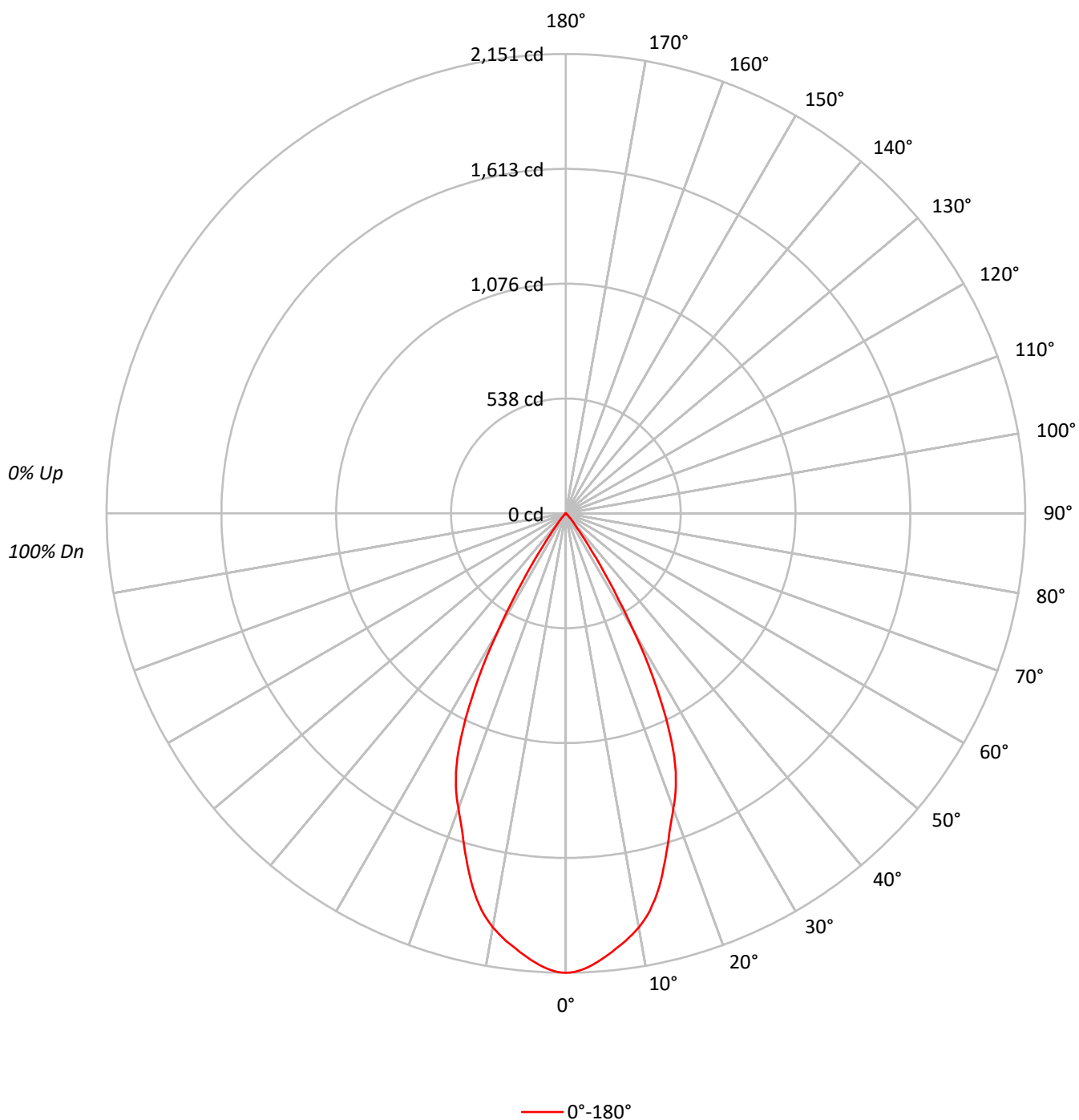
Lumens per Lamp: N/A
Luminaire Lumens: 1350.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252070

CATALOG NUMBER: P3AS13R509030DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1252070

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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	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	471760
5°	459211
10°	438224
15°	396711
20°	343217
25°	281532
30°	161721
35°	50246
40°	13511
45°	4714
50°	1126
55°	382
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4714 cd/sqm

TEST NUMBER: P1252070

CATALOG NUMBER: P3AS13R509030DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	14.5
10°-20°	484.2	35.9
20°-30°	508.9	37.7
30°-40°	145.7	10.8
40°-50°	14.2	1.1
50°-60°	1.2	0.1
60°-70°	0.4	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°	1188.5	88.0
0°-40°	1334.2	98.8
0°-60°	1349.6	100.0
0°-90°	1350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2151	
5°	2086	195
15°	1748	484
25°	1164	509
35°	188	146
45°	15	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1252070

CATALOG NUMBER: P3AS13R509030DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2151.4
1°	2148.1
2°	2138.6
3°	2124.8
4°	2106.2
5°	2086.2
6°	2064.8
7°	2041.9
8°	2020.5
9°	1995.7
10°	1968.1
11°	1936.2
12°	1899.5
13°	1853.8
14°	1804.2
15°	1747.5
16°	1687.5
17°	1629.4
18°	1569.9
19°	1517.5
20°	1470.8
21°	1426.0
22°	1375.1
23°	1316.5
24°	1247.9
25°	1163.6
26°	1072.2
27°	970.2
28°	868.8
29°	759.2
30°	638.7
31°	525.8
32°	422.0
32.5°	376.8
33°	331.0
34°	253.9
35°	187.7
36°	137.7
37°	102.4
37.5°	88.6
38°	76.7
39°	59.5
40°	47.2
42.5°	26.7
45°	15.2



TEST NUMBER: P1252070

CATALOG NUMBER: P3AS13R509030DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.6
50°	3.3
52.5°	1.4
55°	1.0
57.5°	1.0
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
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)