

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: P1260083

Luminaire Tested: P3AS13R509050DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260083
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: P3AS13R509050DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

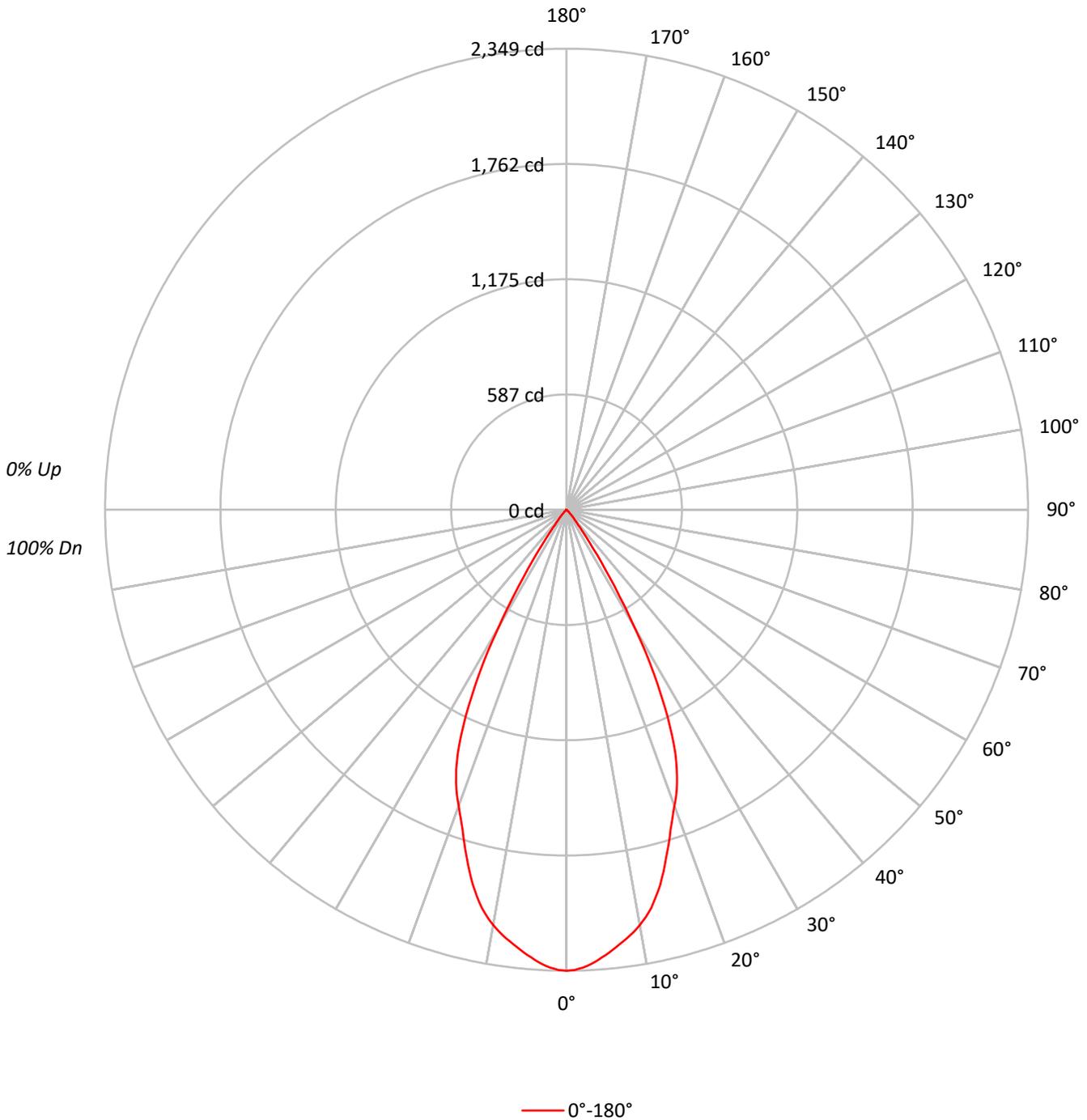
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.0 lumens
Efficiency: N/A
Efficacy: 101.0 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: P1260083
CATALOG NUMBER: P3AS13R509050DE010 E3D1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1260083
 CATALOG NUMBER: P3AS13R509050DE010 E3D1WH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	515112
5°	501385
10°	478459
15°	433169
20°	374743
25°	307397
30°	176584
35°	54850
40°	14742
45°	5148
50°	1228
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: 5148 cd/sqm



TEST NUMBER: P1260083
 CATALOG NUMBER: P3AS13R509050DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	14.5
10°-20°	528.7	35.9
20°-30°	555.7	37.7
30°-40°	159.0	10.8
40°-50°	15.5	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°	1297.7	88.0
0°-40°	1456.7	98.8
0°-60°	1473.5	100.0
0°-90°	1474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2349	
5°	2278	213
15°	1908	529
25°	1270	556
35°	205	159
45°	17	16
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1260083
CATALOG NUMBER: P3AS13R509050DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2349.1
1°	2345.4
2°	2335.0
3°	2319.9
4°	2299.7
5°	2277.8
6°	2254.4
7°	2229.5
8°	2206.1
9°	2179.0
10°	2148.8
11°	2114.0
12°	2074.0
13°	2024.0
14°	1969.9
15°	1908.1
16°	1842.5
17°	1779.1
18°	1714.1
19°	1656.9
20°	1605.9
21°	1557.0
22°	1501.4
23°	1437.4
24°	1362.5
25°	1270.5
26°	1170.6
27°	1059.3
28°	948.6
29°	829.0
30°	697.4
31°	574.1
32°	460.8
32.5°	411.4
33°	361.4
34°	277.2
35°	204.9
36°	150.3
37°	111.8
37.5°	96.7
38°	83.7
39°	65.0
40°	51.5
42.5°	29.1
45°	16.6



TEST NUMBER: P1260083
CATALOG NUMBER: P3AS13R509050DE010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.4
50°	3.6
52.5°	1.6
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)