

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: P1246998

Luminaire Tested: P3AS13R509024DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246998
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: P3AS13R509024DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

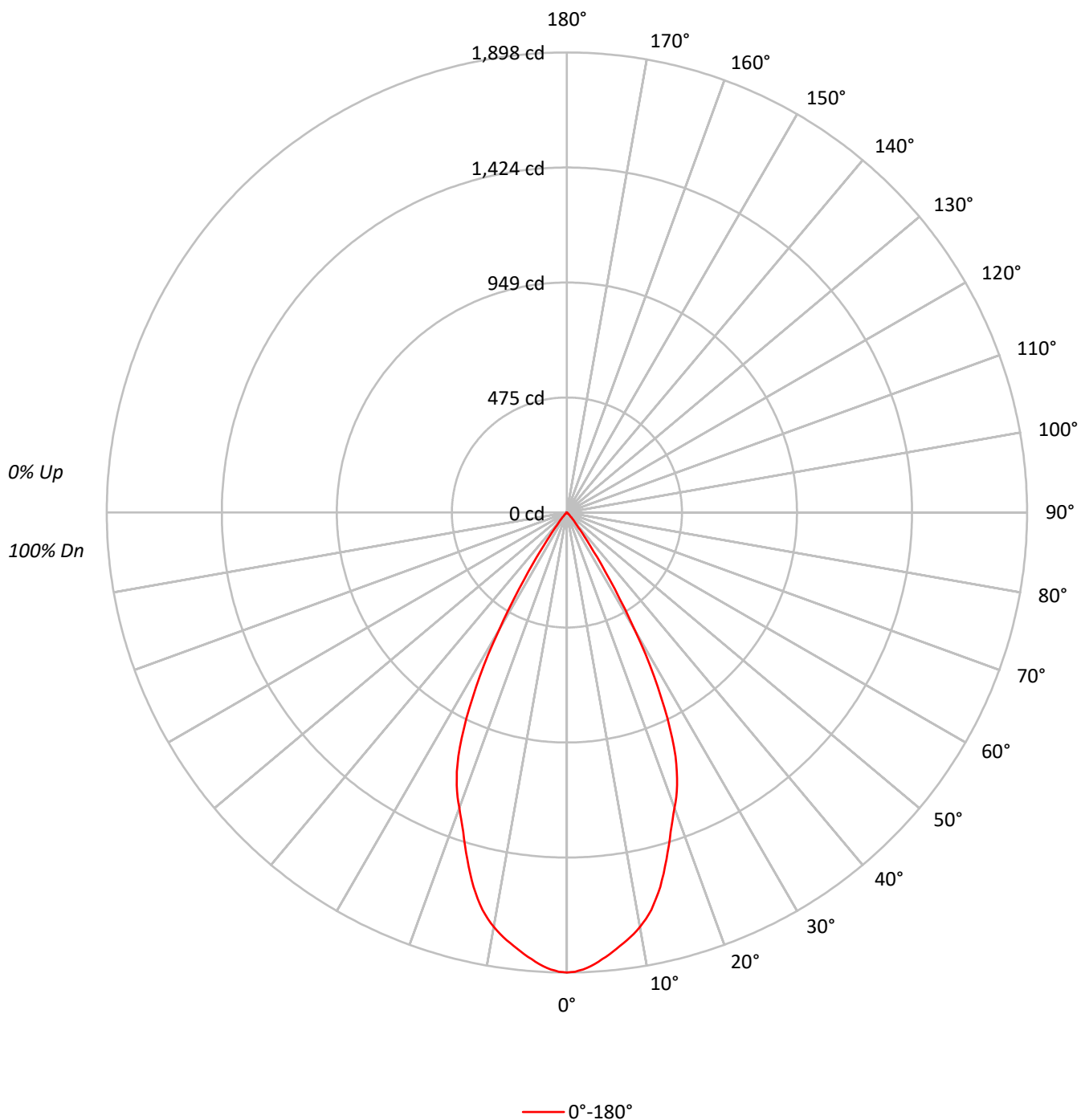
Lumens per Lamp: N/A
Luminaire Lumens: 1191.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246998

CATALOG NUMBER: P3AS13R509024DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1246998

CATALOG NUMBER: P3AS13R509024DE010 E3D1H

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°	416217
5°	405128
10°	386611
15°	349991
20°	302800
25°	248385
30°	142680
35°	44330
40°	11908
45°	4155
50°	989
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4155 cd/sqm

TEST NUMBER: P1246998

CATALOG NUMBER: P3AS13R509024DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	14.5
10°-20°	427.2	35.9
20°-30°	449.0	37.7
30°-40°	128.5	10.8
40°-50°	12.5	1.1
50°-60°	1.0	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°	1048.6	88.0
0°-40°	1177.1	98.8
0°-60°	1190.6	100.0
0°-90°	1191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1898	
5°	1840	172
15°	1542	427
25°	1027	449
35°	166	129
45°	13	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1246998

CATALOG NUMBER: P3AS13R509024DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1898.1
1°	1895.1
2°	1886.7
3°	1874.5
4°	1858.1
5°	1840.5
6°	1821.6
7°	1801.4
8°	1782.5
9°	1760.6
10°	1736.3
11°	1708.1
12°	1675.8
13°	1635.4
14°	1591.7
15°	1541.7
16°	1488.8
17°	1437.5
18°	1385.0
19°	1338.8
20°	1297.6
21°	1258.1
22°	1213.1
23°	1161.4
24°	1100.9
25°	1026.6
26°	945.9
27°	856.0
28°	766.5
29°	669.8
30°	563.5
31°	463.9
32°	372.3
32.5°	332.4
33°	292.0
34°	224.0
35°	165.6
36°	121.4
37°	90.3
37.5°	78.2
38°	67.7
39°	52.5
40°	41.6
42.5°	23.5
45°	13.4



TEST NUMBER: P1246998

CATALOG NUMBER: P3AS13R509024DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.6
50°	2.9
52.5°	1.3
55°	0.8
57.5°	0.8
60°	0.4
62.5°	0.4
65°	0.4
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)