

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: P1253138

Luminaire Tested: P3AS24R509030D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253138
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: P3AS24R509030D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

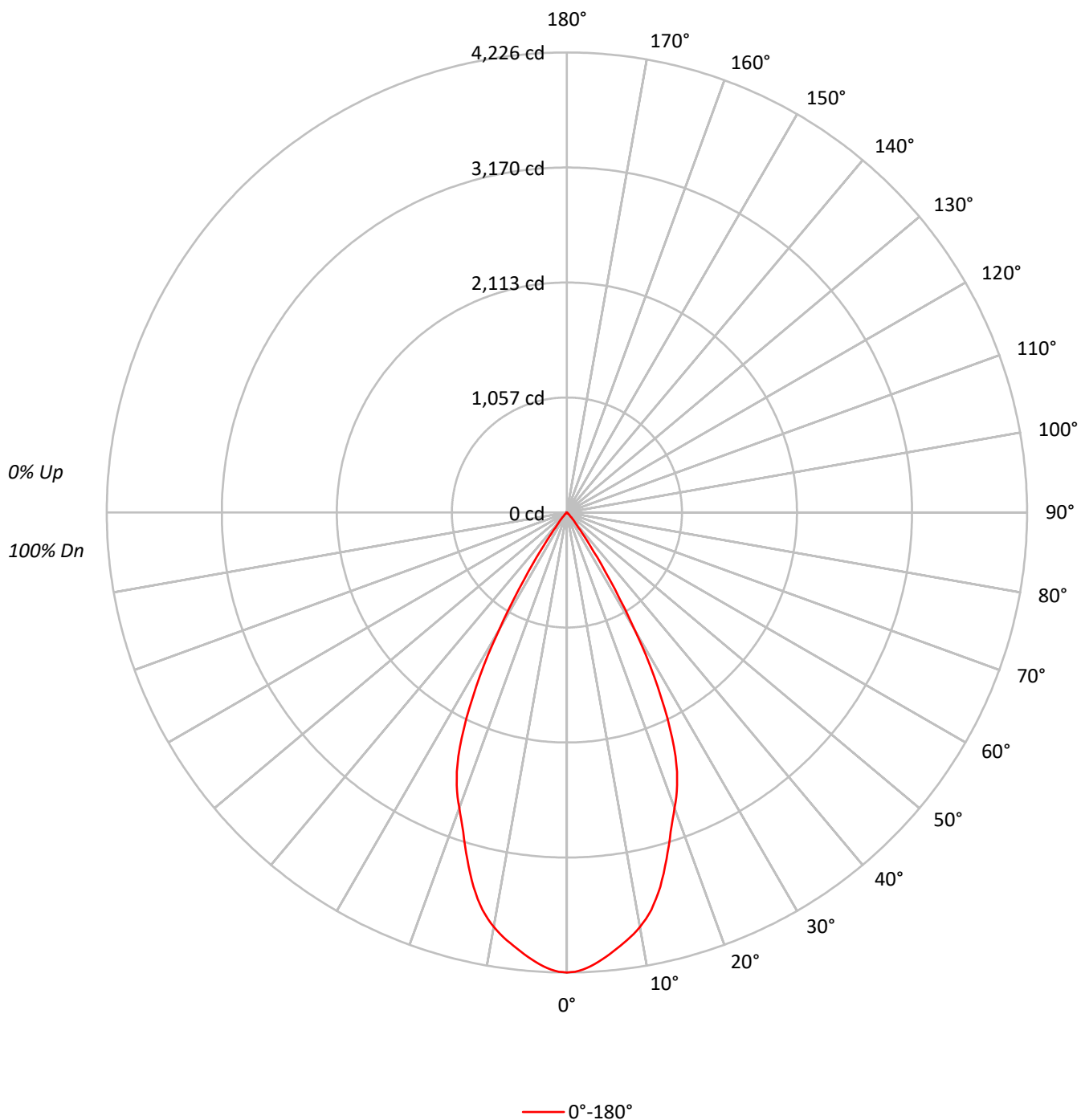
Lumens per Lamp: N/A
Luminaire Lumens: 2652.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1253138

CATALOG NUMBER: P3AS24R509030D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1253138

CATALOG NUMBER: P3AS24R509030D010 E3D1WH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	926768
5°	902089
10°	860861
15°	779346
20°	674229
25°	553048
30°	317694
35°	98698
40°	26507
45°	9272
50°	2217
55°	726
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9272 cd/sqm

TEST NUMBER: P1253138

CATALOG NUMBER: P3AS24R509030D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	14.5
10°-20°	951.2	35.9
20°-30°	999.8	37.7
30°-40°	286.1	10.8
40°-50°	27.9	1.1
50°-60°	2.3	0.1
60°-70°	0.8	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°	2334.8	88.0
0°-40°	2621.0	98.8
0°-60°	2651.2	100.0
0°-90°	2652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4226	
5°	4098	384
15°	3433	951
25°	2286	1000
35°	369	286
45°	30	28
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1253138

CATALOG NUMBER: P3AS24R509030D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4226.4
1°	4219.9
2°	4201.1
3°	4174.0
4°	4137.5
5°	4098.2
6°	4056.1
7°	4011.2
8°	3969.1
9°	3920.4
10°	3866.2
11°	3803.5
12°	3731.4
13°	3641.6
14°	3544.3
15°	3433.0
16°	3315.1
17°	3200.9
18°	3084.0
19°	2981.0
20°	2889.3
21°	2801.4
22°	2701.3
23°	2586.2
24°	2451.4
25°	2285.8
26°	2106.2
27°	1906.0
28°	1706.7
29°	1491.5
30°	1254.7
31°	1033.0
32°	829.0
32.5°	740.1
33°	650.3
34°	498.7
35°	368.7
36°	270.4
37°	201.2
37.5°	174.0
38°	150.6
39°	117.0
40°	92.6
42.5°	52.4
45°	29.9

TEST NUMBER: P1253138

CATALOG NUMBER: P3AS24R509030D010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	16.8
50°	6.5
52.5°	2.8
55°	1.9
57.5°	1.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
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)