

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: P1250548

Luminaire Tested: P3AS24R709027D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R709027D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

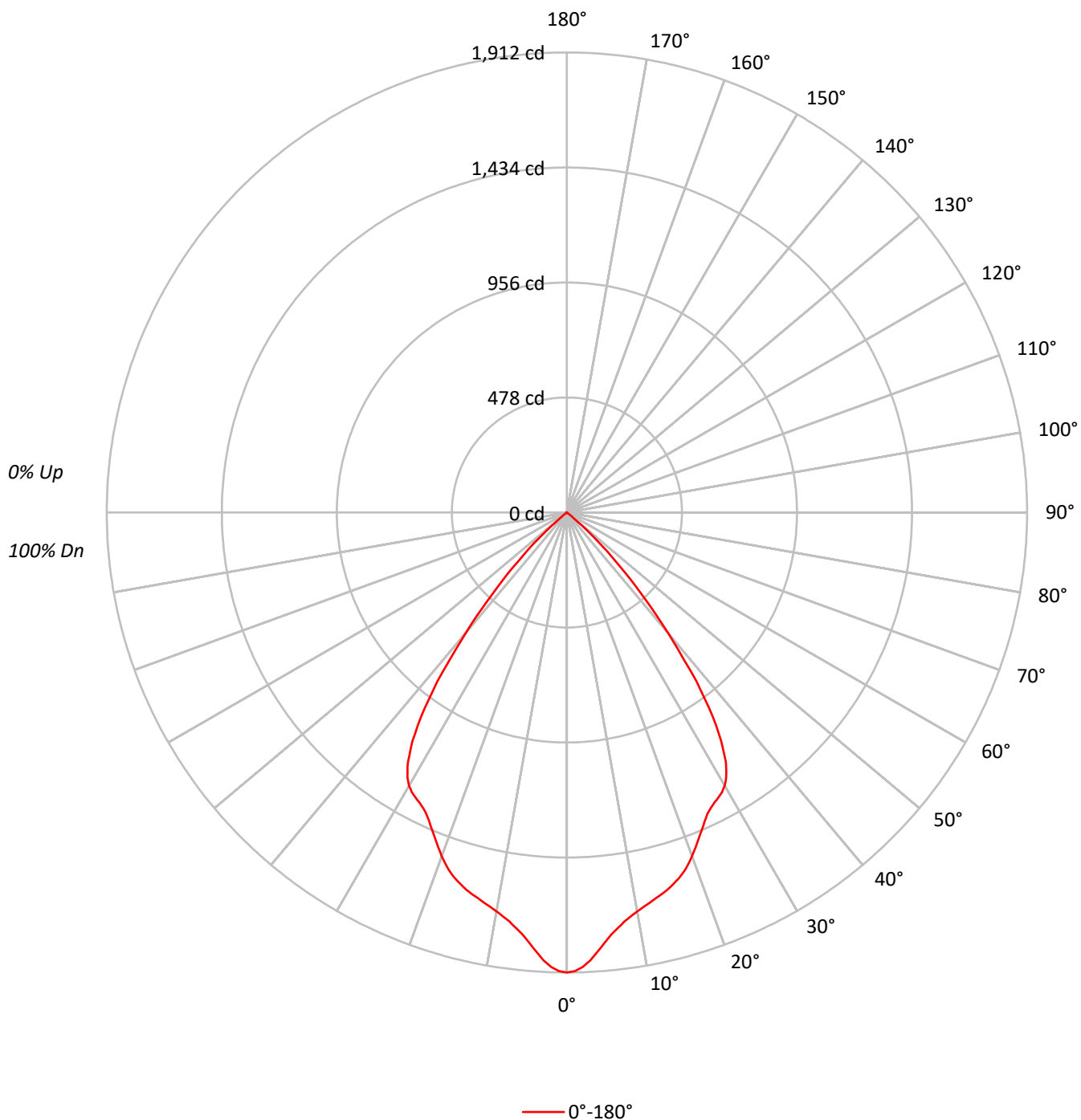
Lumens per Lamp: N/A
Luminaire Lumens: 2156.1 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419221
5°	395288
10°	374809
15°	368084
20°	354791
25°	334447
30°	332051
35°	289188
40°	187065
45°	88412
50°	12383
55°	1032
60°	789
65°	934
70°	577
75°	763
80°	1137
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88412 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	7.8
10°-20°	455.3	21.1
20°-30°	644.1	29.9
30°-40°	647.3	30.0
40°-50°	232.8	10.8
50°-60°	6.3	0.3
60°-70°	1.4	0.1
70°-80°	1.0	0.0
80°-90°	0.1	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°	1267.2	58.8
0°-40°	1914.5	88.8
0°-60°	2153.5	99.9
0°-90°	2156.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2156.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1912	
5°	1796	168
15°	1621	455
25°	1382	644
35°	1080	647
45°	285	233
55°	3	6
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1911.8
1°	1906.5
2°	1889.7
3°	1863.1
4°	1829.4
5°	1795.8
6°	1763.9
7°	1739.1
8°	1717.0
9°	1699.3
10°	1683.3
11°	1670.1
12°	1657.7
13°	1645.3
14°	1633.7
15°	1621.4
16°	1606.3
17°	1590.4
18°	1570.9
19°	1547.0
20°	1520.4
21°	1491.2
22°	1462.0
23°	1433.6
24°	1406.2
25°	1382.3
26°	1365.4
27°	1352.2
28°	1341.5
29°	1329.1
30°	1311.4
31°	1285.7
32°	1249.4
32.5°	1229.1
33°	1201.6
34°	1147.6
35°	1080.3
36°	1005.9
37°	921.8
37.5°	882.8
38°	829.7
39°	735.0
40°	653.5
42.5°	452.5
45°	285.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	153.2
50°	36.3
52.5°	4.4
55°	2.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)