

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: P1258324

Luminaire Tested: P3AS20R709040D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258324
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: P3AS20R709040D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

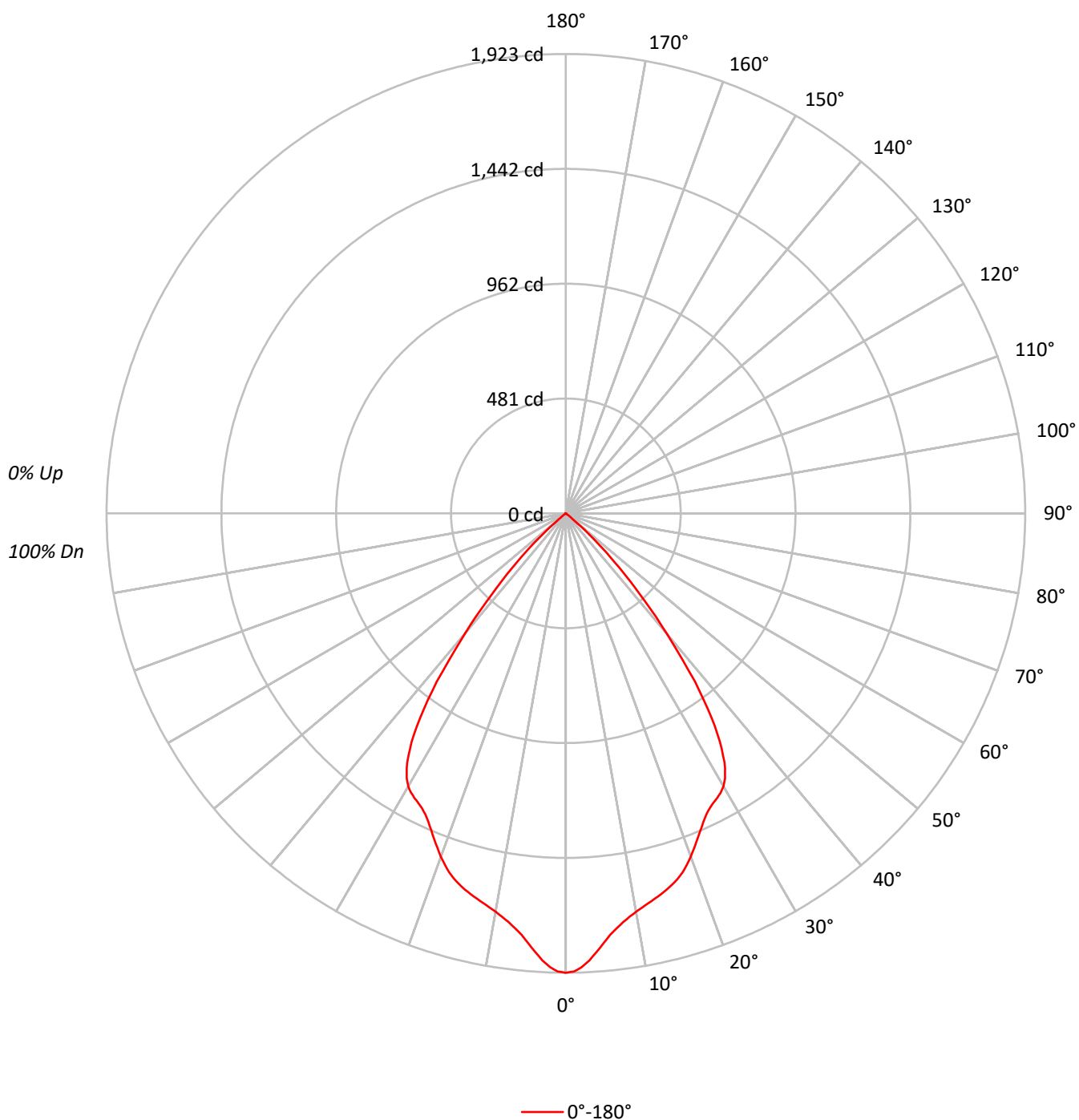
Lumens per Lamp: N/A
Luminaire Lumens: 2169.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	421743
5°	397666
10°	377081
15°	370286
20°	356938
25°	336455
30°	334051
35°	290928
40°	188181
45°	88970
50°	12452
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: 88970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	7.8
10°-20°	458.1	21.1
20°-30°	648.0	29.9
30°-40°	651.2	30.0
40°-50°	234.2	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°	1274.8	58.8
0°-40°	1926.0	88.8
0°-60°	2166.5	99.9
0°-90°	2169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2169.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1923	
5°	1807	169
15°	1631	458
25°	1391	648
35°	1087	651
45°	287	234
55°	3	6
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1923.3
1°	1918.0
2°	1901.1
3°	1874.3
4°	1840.5
5°	1806.6
6°	1774.6
7°	1749.6
8°	1727.3
9°	1709.5
10°	1693.5
11°	1680.1
12°	1667.7
13°	1655.2
14°	1643.6
15°	1631.1
16°	1616.0
17°	1599.9
18°	1580.3
19°	1556.3
20°	1529.6
21°	1500.2
22°	1470.8
23°	1442.3
24°	1414.7
25°	1390.6
26°	1373.7
27°	1360.3
28°	1349.6
29°	1337.1
30°	1319.3
31°	1293.5
32°	1257.0
32.5°	1236.5
33°	1208.9
34°	1154.5
35°	1086.8
36°	1012.0
37°	927.4
37.5°	888.2
38°	834.7
39°	739.4
40°	657.4
42.5°	455.2
45°	286.9

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	154.1
50°	36.5
52.5°	4.5
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)