

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: P1272867

Luminaire Tested: P3AS20R709827D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272867
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: P3AS20R709827D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

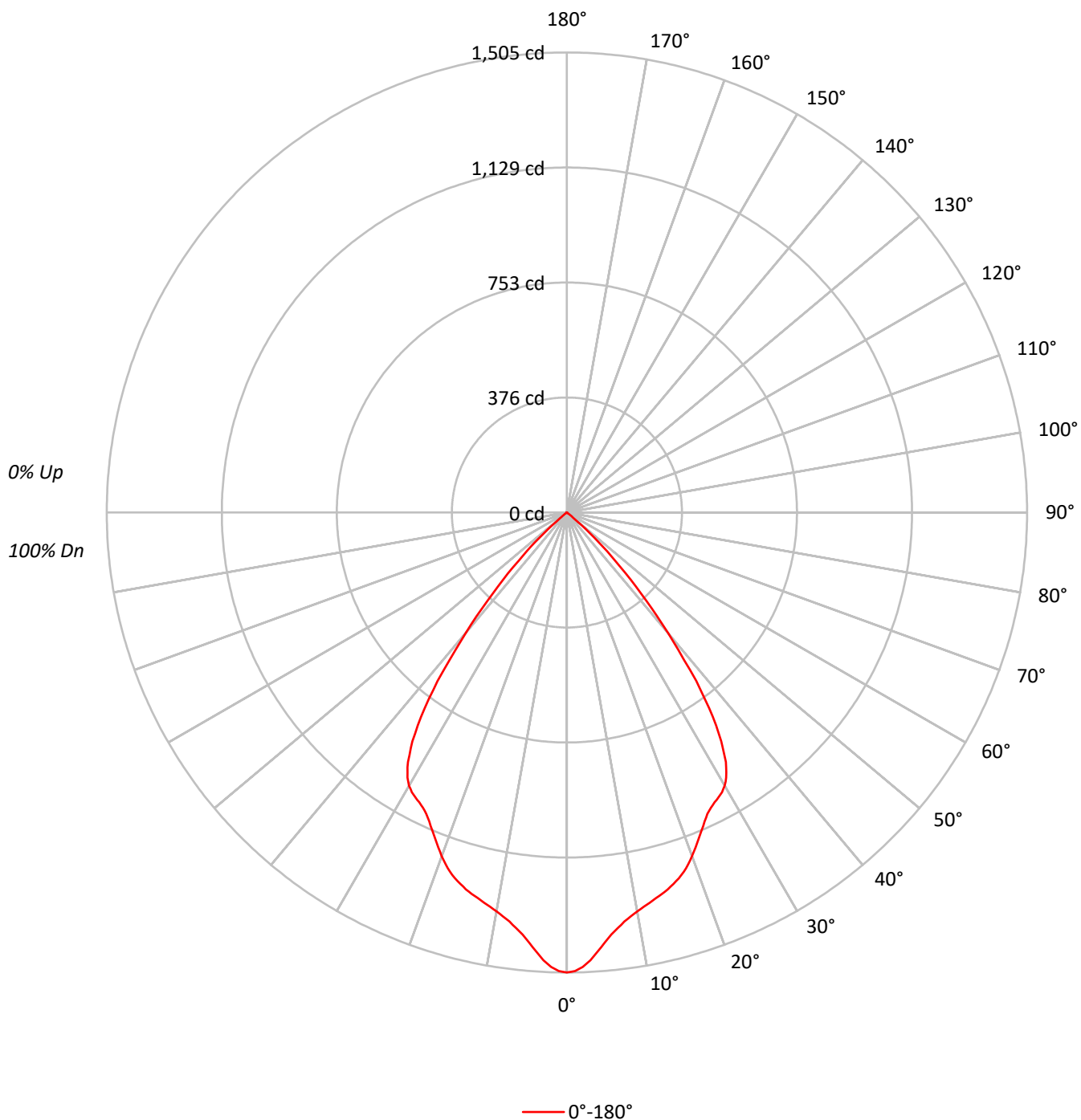
Lumens per Lamp: N/A
Luminaire Lumens: 1697.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	329974
5°	311137
10°	295029
15°	289718
20°	279254
25°	263241
30°	261357
35°	227619
40°	147247
45°	69589
50°	9757
55°	803
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	7.8
10°-20°	358.4	21.1
20°-30°	507.0	29.9
30°-40°	509.5	30.0
40°-50°	183.2	10.8
50°-60°	4.9	0.3
60°-70°	1.1	0.1
70°-80°	0.7	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°	997.4	58.8
0°-40°	1506.9	88.8
0°-60°	1695.1	99.9
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1505	
5°	1414	132
15°	1276	358
25°	1088	507
35°	850	510
45°	224	183
55°	2	5
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1504.8
1°	1500.6
2°	1487.4
3°	1466.5
4°	1440.0
5°	1413.5
6°	1388.4
7°	1368.9
8°	1351.4
9°	1337.5
10°	1325.0
11°	1314.5
12°	1304.8
13°	1295.0
14°	1285.9
15°	1276.2
16°	1264.3
17°	1251.8
18°	1236.4
19°	1217.6
20°	1196.7
21°	1173.7
22°	1150.7
23°	1128.4
24°	1106.8
25°	1088.0
26°	1074.7
27°	1064.3
28°	1055.9
29°	1046.2
30°	1032.2
31°	1012.0
32°	983.4
32.5°	967.4
33°	945.8
34°	903.3
35°	850.3
36°	791.8
37°	725.6
37.5°	694.9
38°	653.1
39°	578.5
40°	514.4
42.5°	356.2
45°	224.4



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	120.6
50°	28.6
52.5°	3.5
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)