

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: P1247841

Luminaire Tested: P3A20R709024D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247841
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: P3A20R709024D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

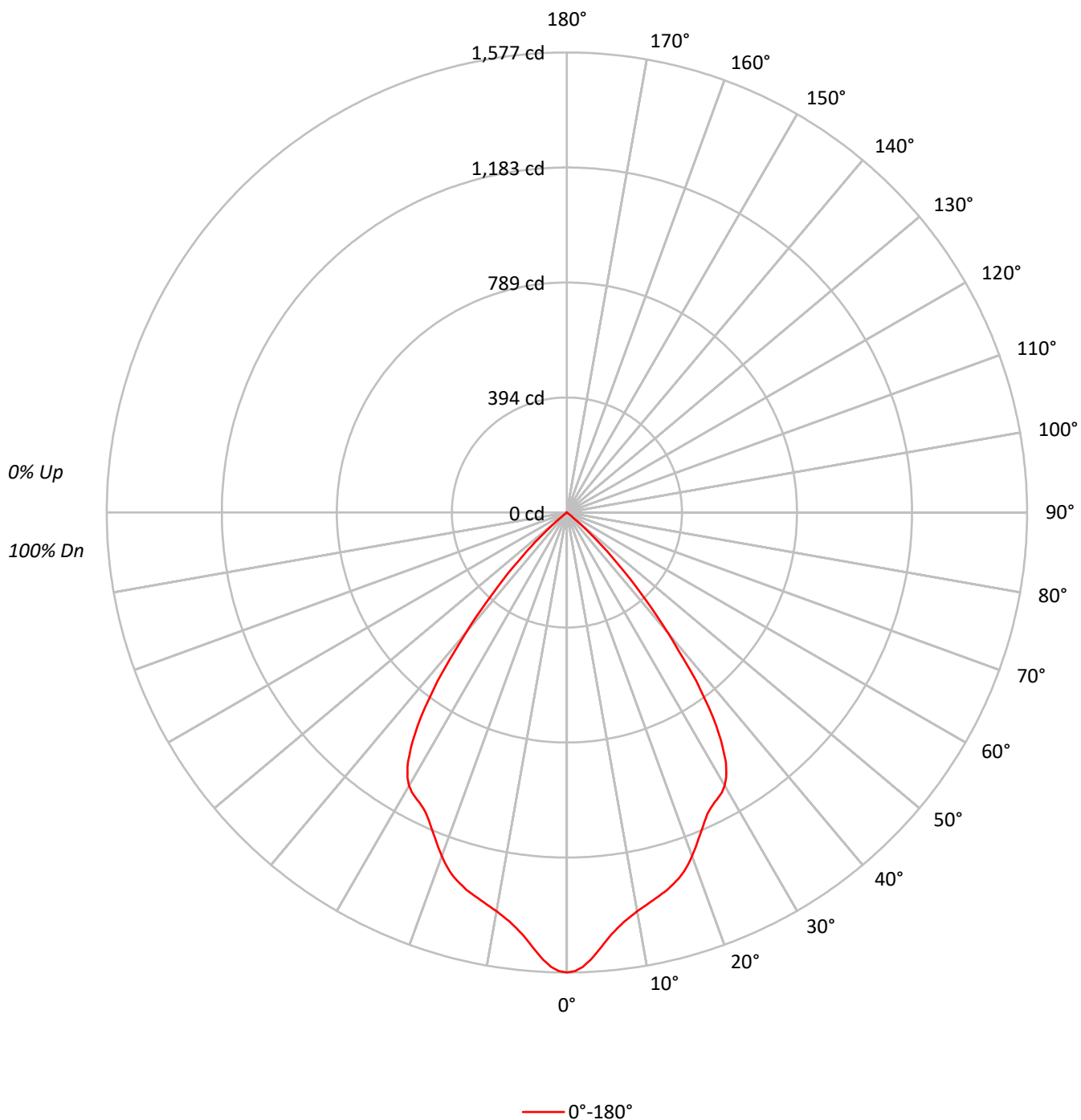
Lumens per Lamp: N/A
Luminaire Lumens: 1778.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	345718
5°	325973
10°	309101
15°	303543
20°	292579
25°	275798
30°	273840
35°	238487
40°	154260
45°	72907
50°	10200
55°	841
60°	658
65°	778
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	7.8
10°-20°	375.5	21.1
20°-30°	531.2	29.9
30°-40°	533.8	30.0
40°-50°	192.0	10.8
50°-60°	5.2	0.3
60°-70°	1.2	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°	1045.0	58.8
0°-40°	1578.8	88.8
0°-60°	1775.9	99.9
0°-90°	1778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1577	
5°	1481	138
15°	1337	375
25°	1140	531
35°	891	534
45°	235	192
55°	2	5
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1576.6
1°	1572.2
2°	1558.4
3°	1536.4
4°	1508.7
5°	1480.9
6°	1454.7
7°	1434.2
8°	1416.0
9°	1401.3
10°	1388.2
11°	1377.3
12°	1367.0
13°	1356.8
14°	1347.3
15°	1337.1
16°	1324.7
17°	1311.5
18°	1295.5
19°	1275.7
20°	1253.8
21°	1229.7
22°	1205.6
23°	1182.3
24°	1159.6
25°	1139.9
26°	1126.0
27°	1115.1
28°	1106.3
29°	1096.1
30°	1081.5
31°	1060.3
32°	1030.4
32.5°	1013.6
33°	990.9
34°	946.4
35°	890.9
36°	829.6
37°	760.2
37.5°	728.1
38°	684.2
39°	606.1
40°	538.9
42.5°	373.2
45°	235.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	126.3
50°	29.9
52.5°	3.7
55°	2.2
57.5°	2.2
60°	1.5
62.5°	1.5
65°	1.5
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)