

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: P1266012

Luminaire Tested: P3A20R709730D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266012
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: P3A20R709730D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

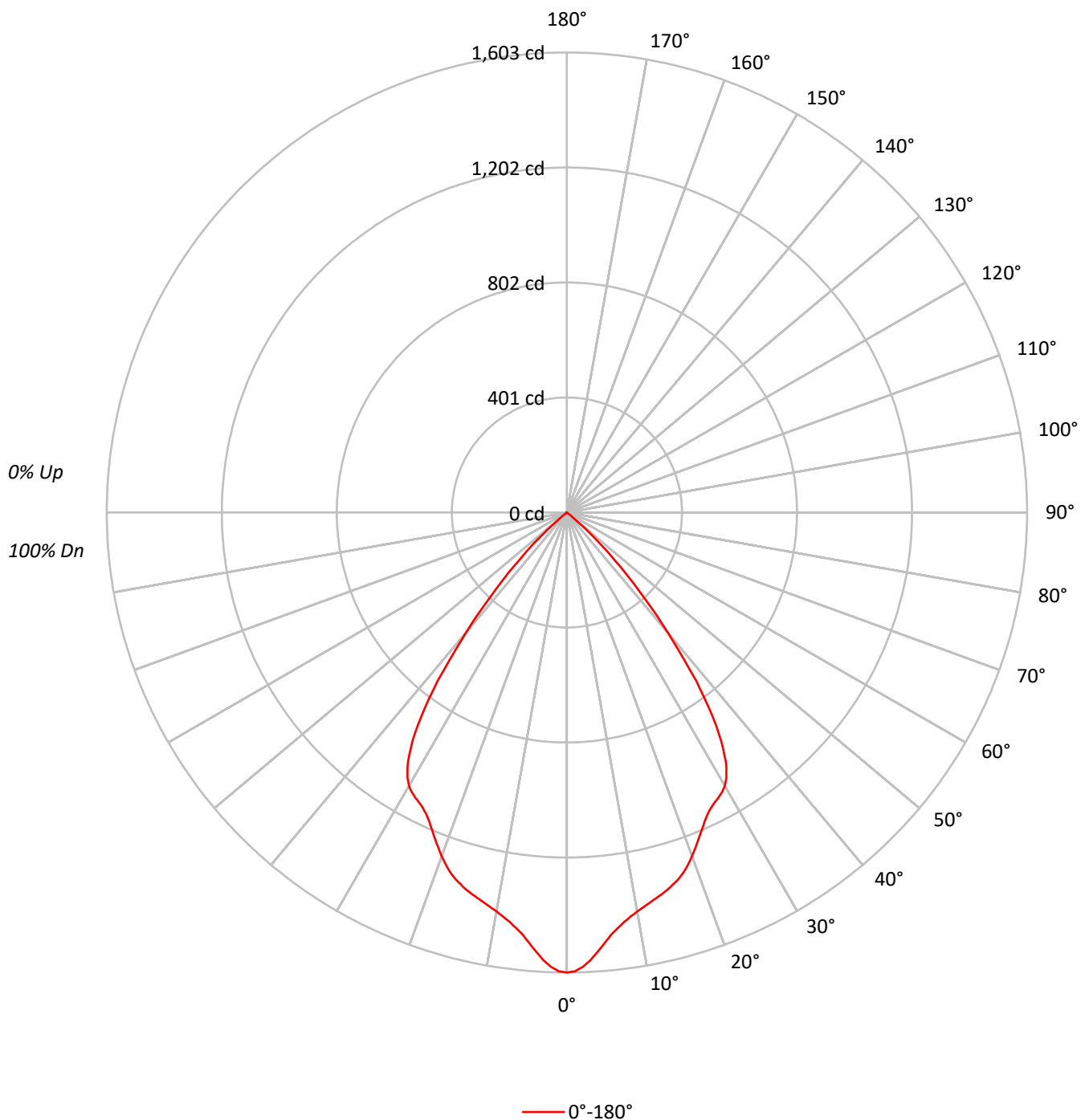
Lumens per Lamp: N/A
Luminaire Lumens: 1807.9 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	351551
5°	331476
10°	314312
15°	308651
20°	297526
25°	280468
30°	278448
35°	242502
40°	156865
45°	74147
50°	10371
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: 74147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	7.8
10°-20°	381.8	21.1
20°-30°	540.2	29.9
30°-40°	542.8	30.0
40°-50°	195.2	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°	1062.6	58.8
0°-40°	1605.4	88.8
0°-60°	1805.9	99.9
0°-90°	1807.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1603	
5°	1506	141
15°	1360	382
25°	1159	540
35°	906	543
45°	239	195
55°	2	5
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1603.2
1°	1598.8
2°	1584.6
3°	1562.4
4°	1534.2
5°	1505.9
6°	1479.2
7°	1458.4
8°	1439.8
9°	1425.0
10°	1411.6
11°	1400.5
12°	1390.1
13°	1379.7
14°	1370.0
15°	1359.6
16°	1347.0
17°	1333.7
18°	1317.3
19°	1297.3
20°	1275.0
21°	1250.5
22°	1226.0
23°	1202.2
24°	1179.2
25°	1159.2
26°	1145.0
27°	1133.9
28°	1125.0
29°	1114.6
30°	1099.7
31°	1078.2
32°	1047.8
32.5°	1030.7
33°	1007.7
34°	962.4
35°	905.9
36°	843.6
37°	773.0
37.5°	740.3
38°	695.8
39°	616.3
40°	548.0
42.5°	379.5
45°	239.1

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	128.5
50°	30.4
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)