

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: P1268388

Luminaire Tested: P3A20R709735D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268388
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: P3A20R709735D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

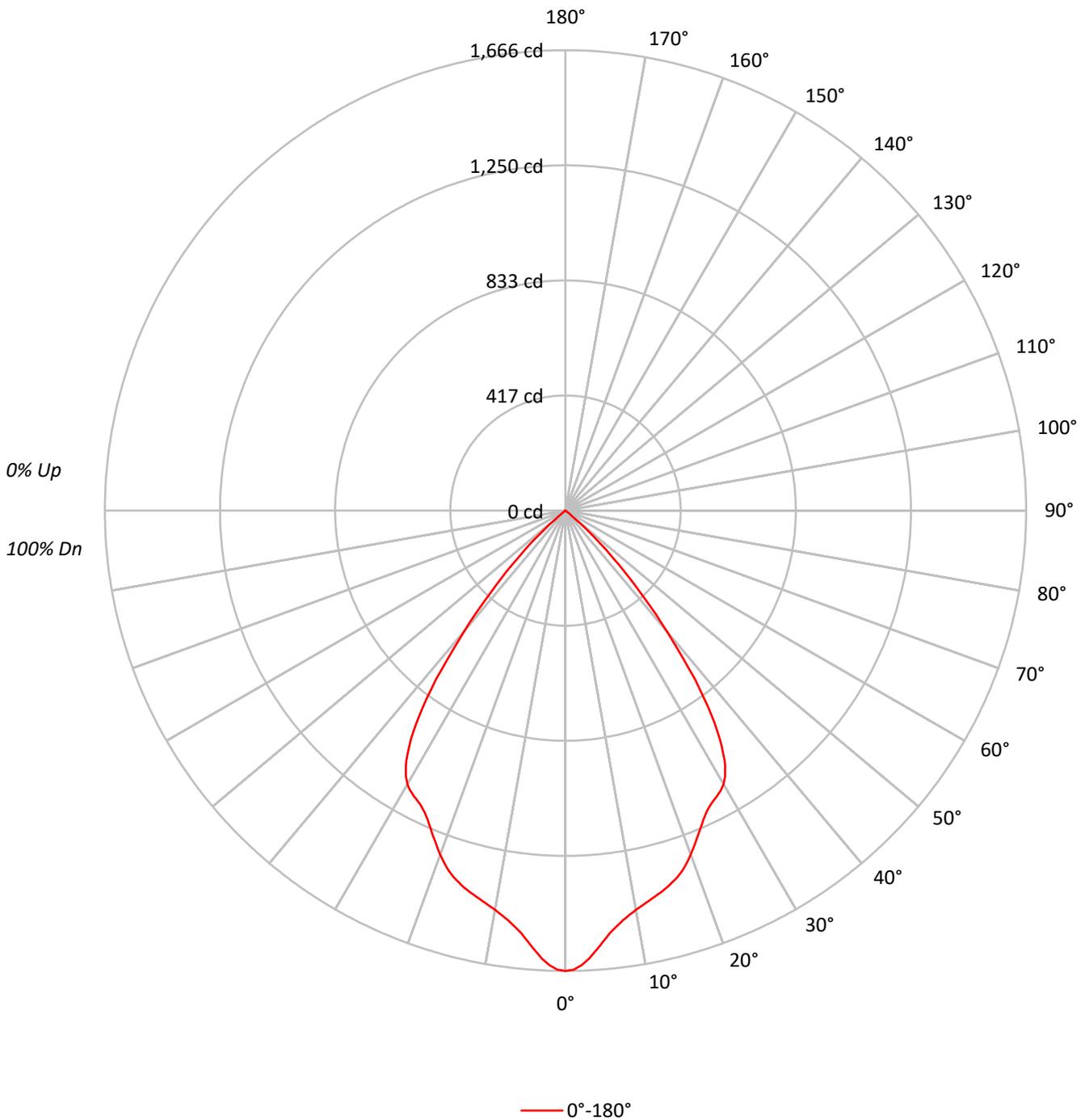
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1879.0 lumens
Efficiency: N/A
Efficacy: 65.2 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

TEST NUMBER: P1268388
CATALOG NUMBER: P3A20R709735D010 E3D1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1268388
 CATALOG NUMBER: P3A20R709735D010 E3D1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57	57	57	57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49	49	49	49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365365
5°	344507
10°	326670
15°	320774
20°	309217
25°	291477
30°	289386
35°	252032
40°	163020
45°	77062
50°	10780
55°	879
60°	658
65°	778
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 77062 cd/sqm



TEST NUMBER: P1268388
 CATALOG NUMBER: P3A20R709735D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	7.8
10°-20°	396.8	21.1
20°-30°	561.4	29.9
30°-40°	564.2	30.0
40°-50°	202.9	10.8
50°-60°	5.4	0.3
60°-70°	1.2	0.1
70°-80°	0.8	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°	1104.3	58.8
0°-40°	1668.5	88.8
0°-60°	1876.8	99.9
0°-90°	1879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1666	
5°	1565	146
15°	1413	397
25°	1205	561
35°	942	564
45°	248	203
55°	2	5
65°	2	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1268388
CATALOG NUMBER: P3A20R709735D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1666.2
1°	1661.5
2°	1646.9
3°	1623.7
4°	1594.4
5°	1565.1
6°	1537.3
7°	1515.7
8°	1496.4
9°	1481.0
10°	1467.1
11°	1455.5
12°	1444.7
13°	1433.9
14°	1423.8
15°	1413.0
16°	1399.9
17°	1386.0
18°	1369.1
19°	1348.2
20°	1325.1
21°	1299.6
22°	1274.1
23°	1249.4
24°	1225.5
25°	1204.7
26°	1190.0
27°	1178.4
28°	1169.2
29°	1158.4
30°	1142.9
31°	1120.6
32°	1088.9
32.5°	1071.2
33°	1047.2
34°	1000.2
35°	941.5
36°	876.7
37°	803.4
37.5°	769.4
38°	723.1
39°	640.5
40°	569.5
42.5°	394.4
45°	248.5



TEST NUMBER: P1268388
CATALOG NUMBER: P3A20R709735D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	133.5
50°	31.6
52.5°	3.9
55°	2.3
57.5°	2.3
60°	1.5
62.5°	1.5
65°	1.5
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)