

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: P1270767

Luminaire Tested: P3A20R709740D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270767
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: P3A20R709740D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

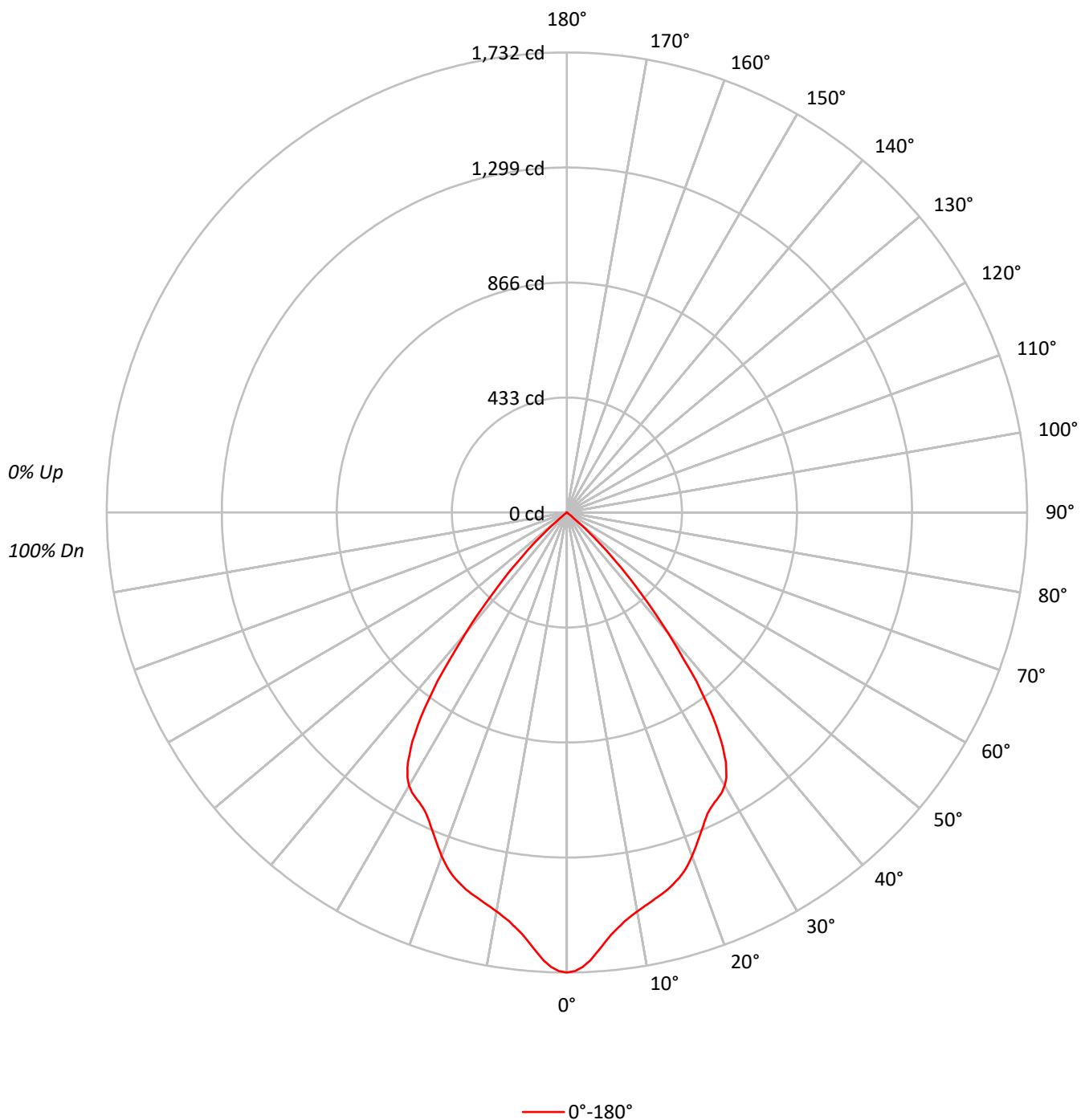
Lumens per Lamp: N/A
Luminaire Lumens: 1953.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1270767

CATALOG NUMBER: P3A20R709740D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1270767

CATALOG NUMBER: P3A20R709740D010 E3D1LI

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°	379750
5°	358066
10°	339517
15°	333418
20°	321375
25°	302945
30°	300780
35°	261964
40°	169460
45°	80101
50°	11224
55°	918
60°	702
65°	830
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 80101 cd/sqm

TEST NUMBER: P1270767

CATALOG NUMBER: P3A20R709740D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	7.8
10°-20°	412.4	21.1
20°-30°	583.5	29.9
30°-40°	586.4	30.0
40°-50°	210.9	10.8
50°-60°	5.7	0.3
60°-70°	1.3	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°	1147.8	58.8
0°-40°	1734.2	88.8
0°-60°	1950.8	99.9
0°-90°	1953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1953.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1732	
5°	1627	152
15°	1469	412
25°	1252	583
35°	979	586
45°	258	211
55°	2	6
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1270767

CATALOG NUMBER: P3A20R709740D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1731.8
1°	1727.0
2°	1711.7
3°	1687.7
4°	1657.2
5°	1626.7
6°	1597.8
7°	1575.4
8°	1555.3
9°	1539.3
10°	1524.8
11°	1512.8
12°	1501.6
13°	1490.3
14°	1479.9
15°	1468.7
16°	1455.1
17°	1440.6
18°	1423.0
19°	1401.3
20°	1377.2
21°	1350.8
22°	1324.3
23°	1298.6
24°	1273.8
25°	1252.1
26°	1236.9
27°	1224.8
28°	1215.2
29°	1204.0
30°	1187.9
31°	1164.7
32°	1131.8
32.5°	1113.3
33°	1088.5
34°	1039.6
35°	978.6
36°	911.2
37°	835.0
37.5°	799.7
38°	751.6
39°	665.8
40°	592.0
42.5°	409.9
45°	258.3



TEST NUMBER: P1270767

CATALOG NUMBER: P3A20R709740D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	138.8
50°	32.9
52.5°	4.0
55°	2.4
57.5°	2.4
60°	1.6
62.5°	1.6
65°	1.6
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)