

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: P1270768

Luminaire Tested: P3A20R709740D010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709740D010 E3D1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

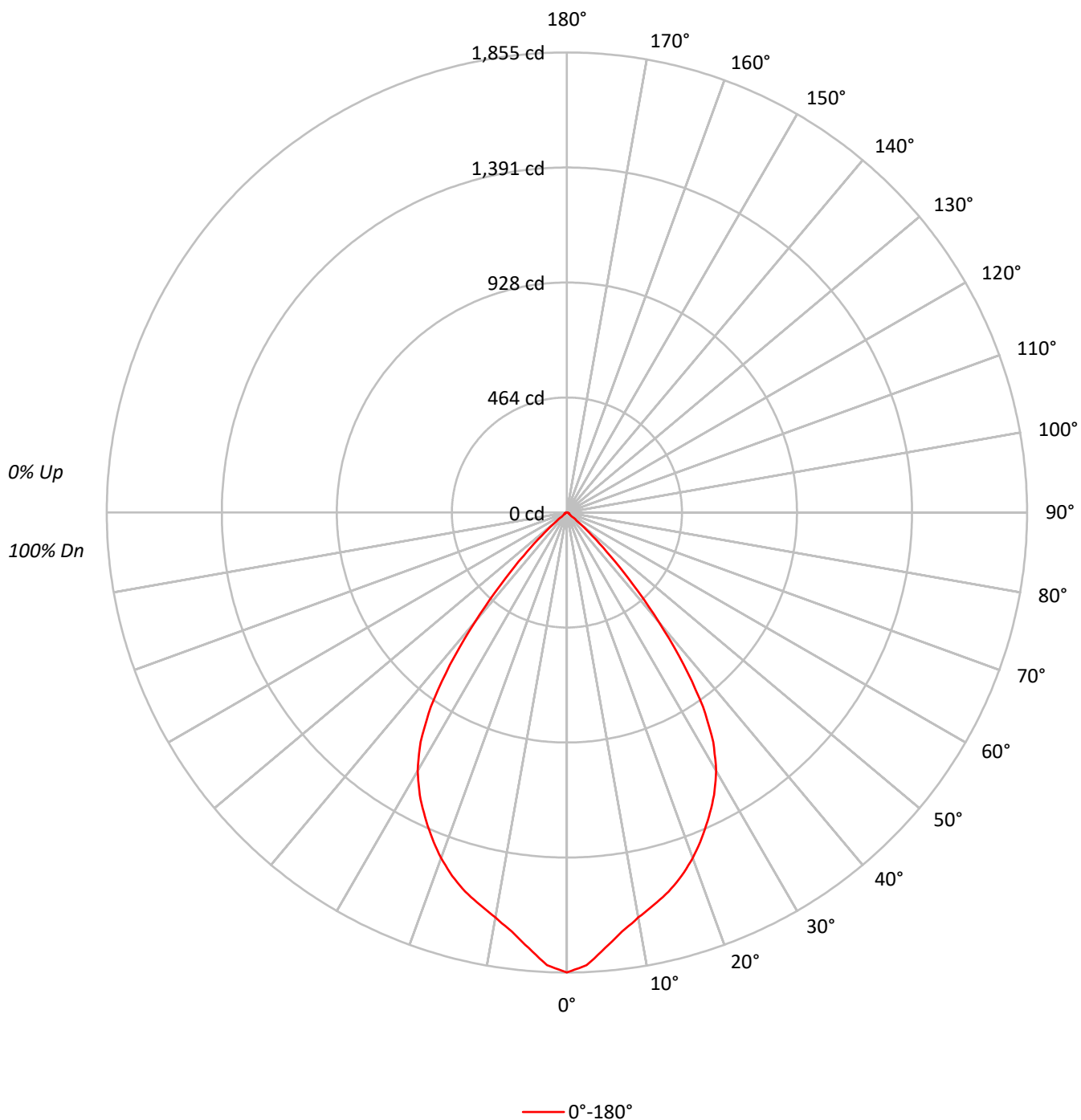
Lumens per Lamp: N/A
Luminaire Lumens: 2048.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270768

CATALOG NUMBER: P3A20R709740D010 E3D1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270768

CATALOG NUMBER: P3A20R709740D010 E3D1MW

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	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	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		85
4	95	87	81	77	94	86	81	76	84	79	75		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	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406678
5°	388047
10°	369221
15°	359344
20°	346063
25°	327527
30°	304629
35°	255887
40°	164938
45°	76659
50°	20093
55°	5008
60°	5043
65°	4255
70°	4167
75°	4151
80°	4167
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76659 cd/sqm

TEST NUMBER: P1270768

CATALOG NUMBER: P3A20R709740D010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	8.1
10°-20°	444.8	21.7
20°-30°	621.4	30.3
30°-40°	576.2	28.1
40°-50°	206.6	10.1
50°-60°	17.5	0.9
60°-70°	8.7	0.4
70°-80°	5.6	0.3
80°-90°	2.2	0.1
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°	1231.2	60.1
0°-40°	1807.4	88.3
0°-60°	2031.5	99.2
0°-90°	2048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2048.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1855	
5°	1763	165
15°	1583	445
25°	1354	621
35°	956	576
45°	247	207
55°	13	18
65°	8	9
75°	5	6
85°	2	2
90°	0	

TEST NUMBER: P1270768

CATALOG NUMBER: P3A20R709740D010 E3D1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1854.6
2.5°	1826.8
5°	1762.9
7.5°	1704.0
10°	1658.2
12.5°	1620.5
15°	1582.9
17.5°	1537.0
20°	1483.0
22.5°	1420.8
25°	1353.7
27.5°	1285.0
30°	1203.1
32.5°	1098.4
35°	955.9
37.5°	774.2
40°	576.2
42.5°	392.9
45°	247.2
47.5°	137.5
50°	58.9
52.5°	19.6
55°	13.1
57.5°	11.5
60°	11.5
62.5°	9.8
65°	8.2
67.5°	8.2
70°	6.5
72.5°	6.5
75°	4.9
77.5°	4.9
80°	3.3
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)