

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: P1270680

Luminaire Tested: P3A20R559740D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559740D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

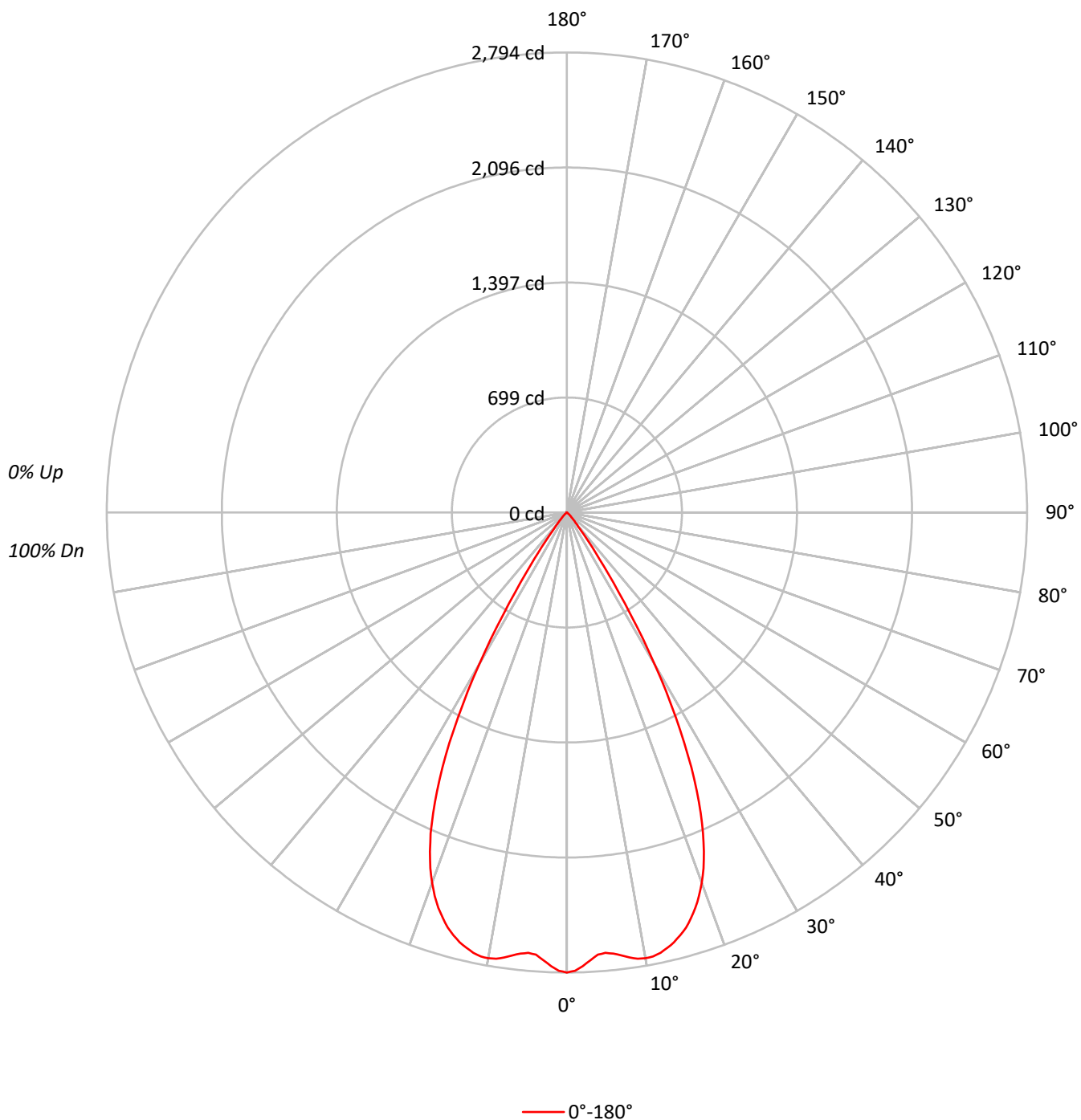
Lumens per Lamp: N/A
Luminaire Lumens: 2113.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270680

CATALOG NUMBER: P3A20R559740D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1270680

CATALOG NUMBER: P3A20R559740D010 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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	612736
5°	591062
10°	612191
15°	603568
20°	558602
25°	451768
30°	270751
35°	91765
40°	25276
45°	11195
50°	3275
55°	612
60°	351
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11195 cd/sqm

TEST NUMBER: P1270680

CATALOG NUMBER: P3A20R559740D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.8	12.3
10°-20°	740.2	35.0
20°-30°	822.8	38.9
30°-40°	256.2	12.1
40°-50°	30.8	1.5
50°-60°	2.4	0.1
60°-70°	0.8	0.0
70°-80°	0.1	0.0
80°-90°	0.0	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°	1822.8	86.3
0°-40°	2079.0	98.4
0°-60°	2112.1	100.0
0°-90°	2113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2794	
5°	2685	260
15°	2659	740
25°	1867	823
35°	343	256
45°	36	31
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270680

CATALOG NUMBER: P3A20R559740D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2794.3
1°	2783.9
2°	2756.6
3°	2722.9
4°	2692.4
5°	2685.2
6°	2693.2
7°	2710.1
8°	2729.3
9°	2744.6
10°	2749.4
11°	2746.2
12°	2733.3
13°	2713.3
14°	2690.0
15°	2658.7
16°	2622.6
17°	2576.8
18°	2525.4
19°	2463.6
20°	2393.8
21°	2314.3
22°	2220.4
23°	2116.8
24°	1998.0
25°	1867.2
26°	1723.5
27°	1571.0
28°	1408.0
29°	1240.2
30°	1069.3
31°	897.5
32°	729.7
32.5°	655.0
33°	578.0
34°	447.1
35°	342.8
36°	260.9
37°	193.5
37.5°	165.4
38°	143.7
39°	109.2
40°	88.3
42.5°	56.2
45°	36.1



TEST NUMBER: P1270680

CATALOG NUMBER: P3A20R559740D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	21.7
50°	9.6
52.5°	3.2
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)