

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: P1268304

Luminaire Tested: P3A20R559735D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268304
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: P3A20R559735D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

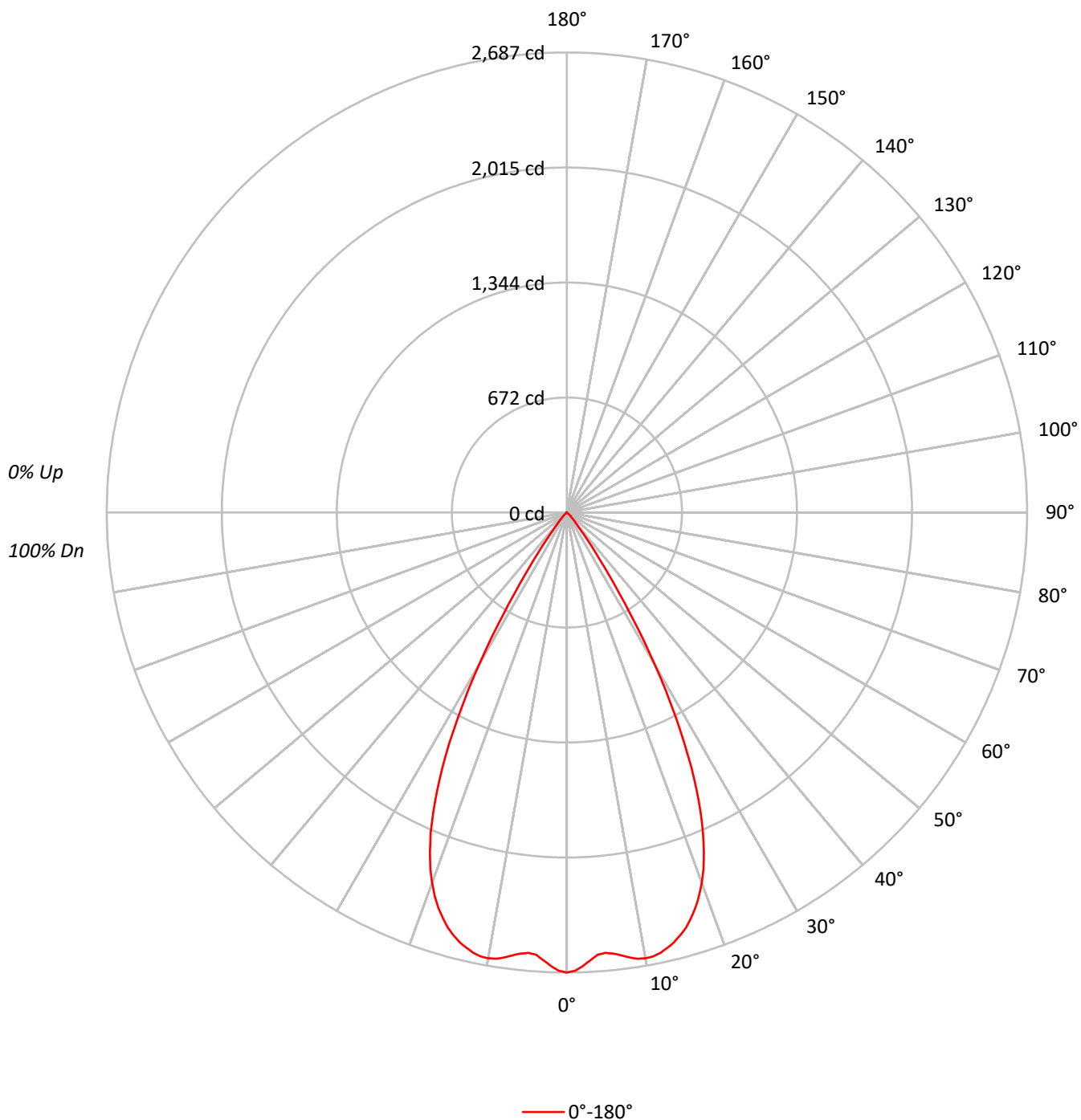
Lumens per Lamp: N/A
Luminaire Lumens: 2032.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268304

CATALOG NUMBER: P3A20R559735D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1268304

CATALOG NUMBER: P3A20R559735D010 E3D1WMH

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	82	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°	589251
5°	568389
10°	588722
15°	580435
20°	537180
25°	434444
30°	260369
35°	88231
40°	24303
45°	10761
50°	3173
55°	573
60°	351
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10761 cd/sqm

TEST NUMBER: P1268304

CATALOG NUMBER: P3A20R559735D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.8	12.3
10°-20°	711.8	35.0
20°-30°	791.3	38.9
30°-40°	246.3	12.1
40°-50°	29.6	1.5
50°-60°	2.3	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°	1753.0	86.3
0°-40°	1999.3	98.4
0°-60°	2031.1	100.0
0°-90°	2032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2032.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2687	
5°	2582	250
15°	2557	712
25°	1796	791
35°	330	246
45°	35	30
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1268304

CATALOG NUMBER: P3A20R559735D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2687.2
1°	2677.2
2°	2650.9
3°	2618.5
4°	2589.2
5°	2582.2
6°	2590.0
7°	2606.2
8°	2624.7
9°	2639.4
10°	2644.0
11°	2640.9
12°	2628.6
13°	2609.3
14°	2586.9
15°	2556.8
16°	2522.0
17°	2478.0
18°	2428.6
19°	2369.2
20°	2302.0
21°	2225.6
22°	2135.3
23°	2035.7
24°	1921.4
25°	1795.6
26°	1657.4
27°	1510.7
28°	1354.0
29°	1192.7
30°	1028.3
31°	863.1
32°	701.7
32.5°	629.9
33°	555.8
34°	430.0
35°	329.6
36°	250.9
37°	186.0
37.5°	159.0
38°	138.2
39°	105.0
40°	84.9
42.5°	54.0
45°	34.7



TEST NUMBER: P1268304
CATALOG NUMBER: P3A20R559735D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	20.8
50°	9.3
52.5°	3.1
55°	1.5
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)