

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: P1276920

Luminaire Tested: P3AS20R559835D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276920
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: P3AS20R559835D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

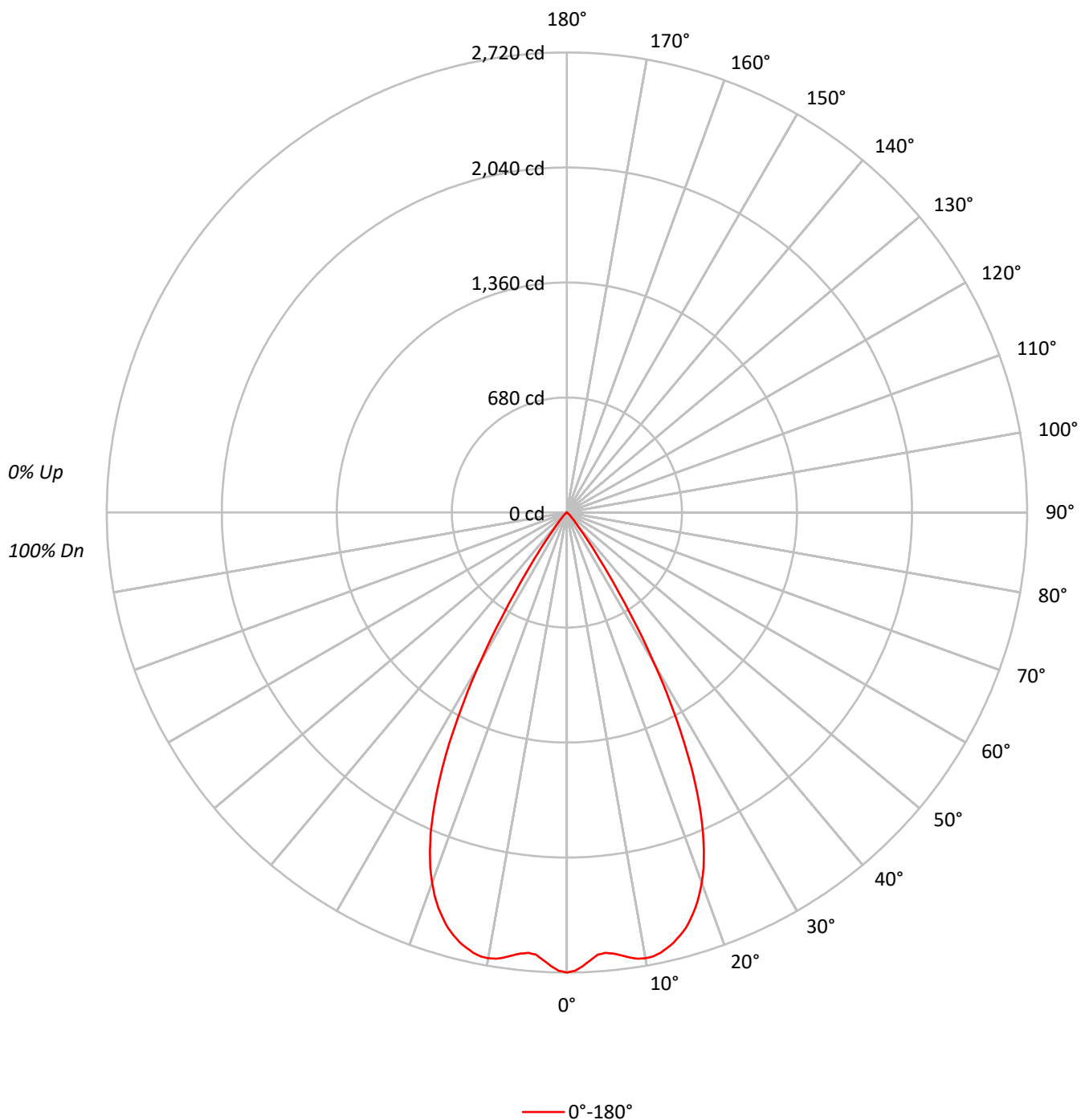
Lumens per Lamp: N/A
Luminaire Lumens: 2057.1 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1276920

CATALOG NUMBER: P3AS20R559835D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1276920

CATALOG NUMBER: P3AS20R559835D010 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°	596509
5°	575389
10°	595959
15°	587563
20°	543784
25°	439792
30°	263560
35°	89329
40°	24618
45°	10916
50°	3207
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: 10916 cd/sqm

TEST NUMBER: P1276920

CATALOG NUMBER: P3AS20R559835D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	12.3
10°-20°	720.6	35.0
20°-30°	801.0	38.9
30°-40°	249.4	12.1
40°-50°	30.0	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°	1774.5	86.3
0°-40°	2023.9	98.4
0°-60°	2056.2	100.0
0°-90°	2057.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2720	
5°	2614	253
15°	2588	721
25°	1818	801
35°	334	249
45°	35	30
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1276920

CATALOG NUMBER: P3AS20R559835D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2720.3
1°	2710.1
2°	2683.6
3°	2650.7
4°	2621.0
5°	2614.0
6°	2621.8
7°	2638.2
8°	2657.0
9°	2671.8
10°	2676.5
11°	2673.4
12°	2660.9
13°	2641.4
14°	2618.7
15°	2588.2
16°	2553.1
17°	2508.5
18°	2458.5
19°	2398.3
20°	2330.3
21°	2253.0
22°	2161.5
23°	2060.7
24°	1945.1
25°	1817.7
26°	1677.8
27°	1529.3
28°	1370.7
29°	1207.4
30°	1040.9
31°	873.7
32°	710.4
32.5°	637.7
33°	562.7
34°	435.3
35°	333.7
36°	254.0
37°	188.3
37.5°	161.0
38°	139.9
39°	106.3
40°	86.0
42.5°	54.7
45°	35.2



TEST NUMBER: P1276920

CATALOG NUMBER: P3AS20R559835D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	21.1
50°	9.4
52.5°	3.1
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)