

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: P1252823

Luminaire Tested: P3AS20R559030D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252823
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: P3AS20R559030D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

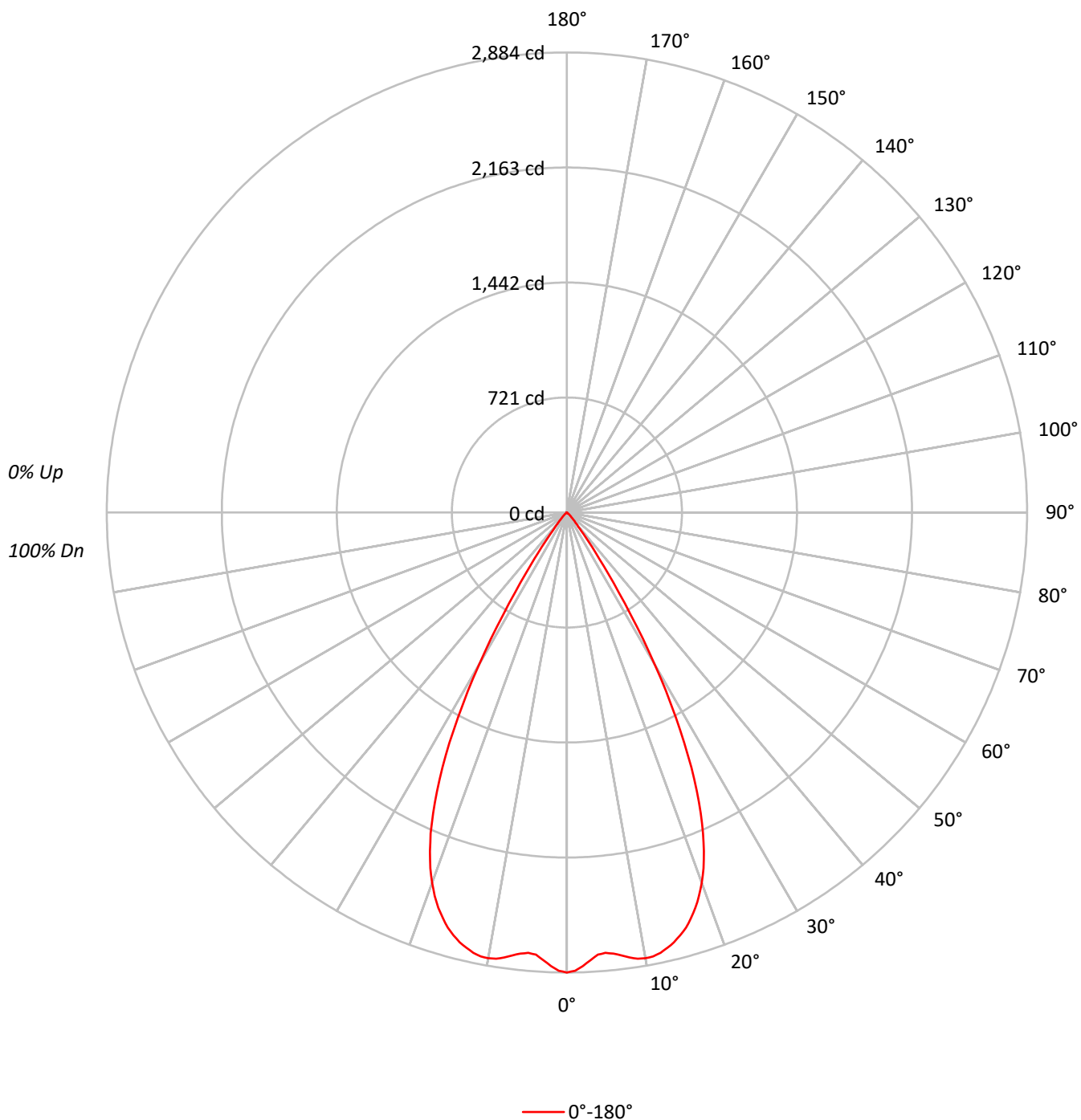
Lumens per Lamp: N/A
Luminaire Lumens: 2181.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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°	632471
5°	610080
10°	631897
15°	622977
20°	576570
25°	466309
30°	279461
35°	94710
40°	26077
45°	11567
50°	3377
55°	650
60°	351
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	12.3
10°-20°	764.0	35.0
20°-30°	849.3	38.9
30°-40°	264.4	12.1
40°-50°	31.7	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°	1881.5	86.3
0°-40°	2145.9	98.4
0°-60°	2180.1	100.0
0°-90°	2181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2181.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2884	
5°	2772	268
15°	2744	764
25°	1927	849
35°	354	264
45°	37	32
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2884.3
1°	2873.5
2°	2845.3
3°	2810.5
4°	2779.0
5°	2771.6
6°	2779.9
7°	2797.3
8°	2817.2
9°	2832.9
10°	2837.9
11°	2834.6
12°	2821.3
13°	2800.6
14°	2776.6
15°	2744.2
16°	2707.0
17°	2659.7
18°	2606.7
19°	2542.9
20°	2470.8
21°	2388.8
22°	2291.8
23°	2185.0
24°	2062.3
25°	1927.3
26°	1779.0
27°	1621.5
28°	1453.3
29°	1280.1
30°	1103.7
31°	926.3
32°	753.2
32.5°	676.1
33°	596.6
34°	461.5
35°	353.8
36°	269.3
37°	199.7
37.5°	170.7
38°	148.3
39°	112.7
40°	91.1
42.5°	58.0
45°	37.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	22.4
50°	9.9
52.5°	3.3
55°	1.7
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)