

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: P1258582

Luminaire Tested: P3AS24R559040D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258582
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: P3AS24R559040D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

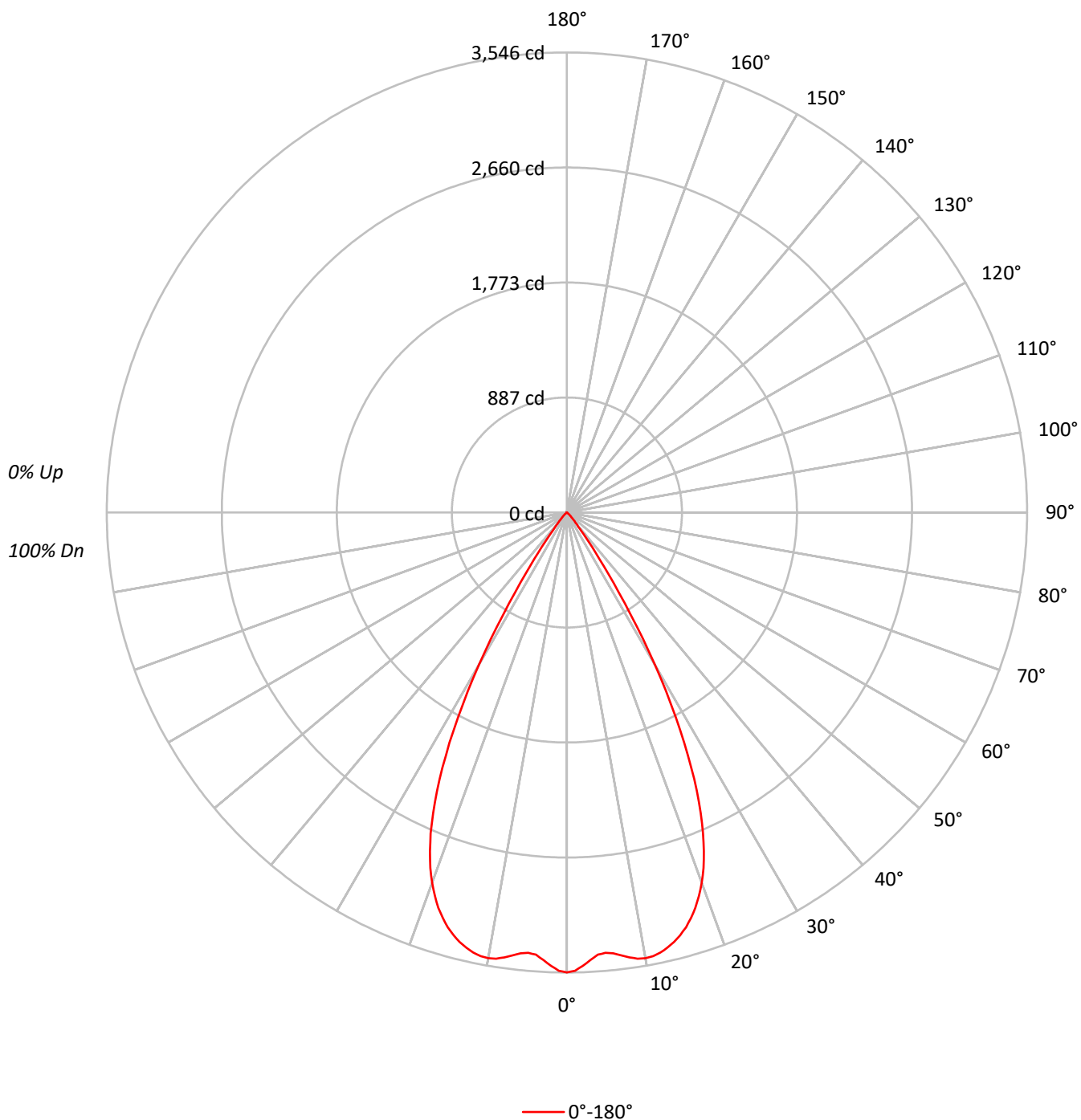
Lumens per Lamp: N/A
Luminaire Lumens: 2681.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	777460
5°	749943
10°	776761
15°	765816
20°	708765
25°	573202
30°	343521
35°	116419
40°	32060
45°	14203
50°	4162
55°	765
60°	439
65°	519
70°	641
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14203 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.6	12.3
10°-20°	939.2	35.0
20°-30°	1044.0	38.9
30°-40°	325.0	12.1
40°-50°	39.0	1.5
50°-60°	3.0	0.1
60°-70°	1.0	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°	2312.8	86.3
0°-40°	2637.8	98.4
0°-60°	2679.8	100.0
0°-90°	2681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2681.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3546	
5°	3407	330
15°	3373	939
25°	2369	1044
35°	435	325
45°	46	39
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3545.5
1°	3532.3
2°	3497.6
3°	3454.9
4°	3416.1
5°	3407.0
6°	3417.2
7°	3438.6
8°	3463.0
9°	3482.4
10°	3488.5
11°	3484.4
12°	3468.1
13°	3442.6
14°	3413.1
15°	3373.4
16°	3327.5
17°	3269.5
18°	3204.3
19°	3125.9
20°	3037.3
21°	2936.4
22°	2817.3
23°	2685.9
24°	2535.1
25°	2369.1
26°	2186.8
27°	1993.3
28°	1786.5
29°	1573.6
30°	1356.7
31°	1138.7
32°	925.8
32.5°	831.1
33°	733.3
34°	567.3
35°	434.9
36°	331.0
37°	245.5
37.5°	209.8
38°	182.3
39°	138.5
40°	112.0
42.5°	71.3
45°	45.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	27.5
50°	12.2
52.5°	4.1
55°	2.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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)