

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: P1258553

Luminaire Tested: P3AS24R509040D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R509040D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

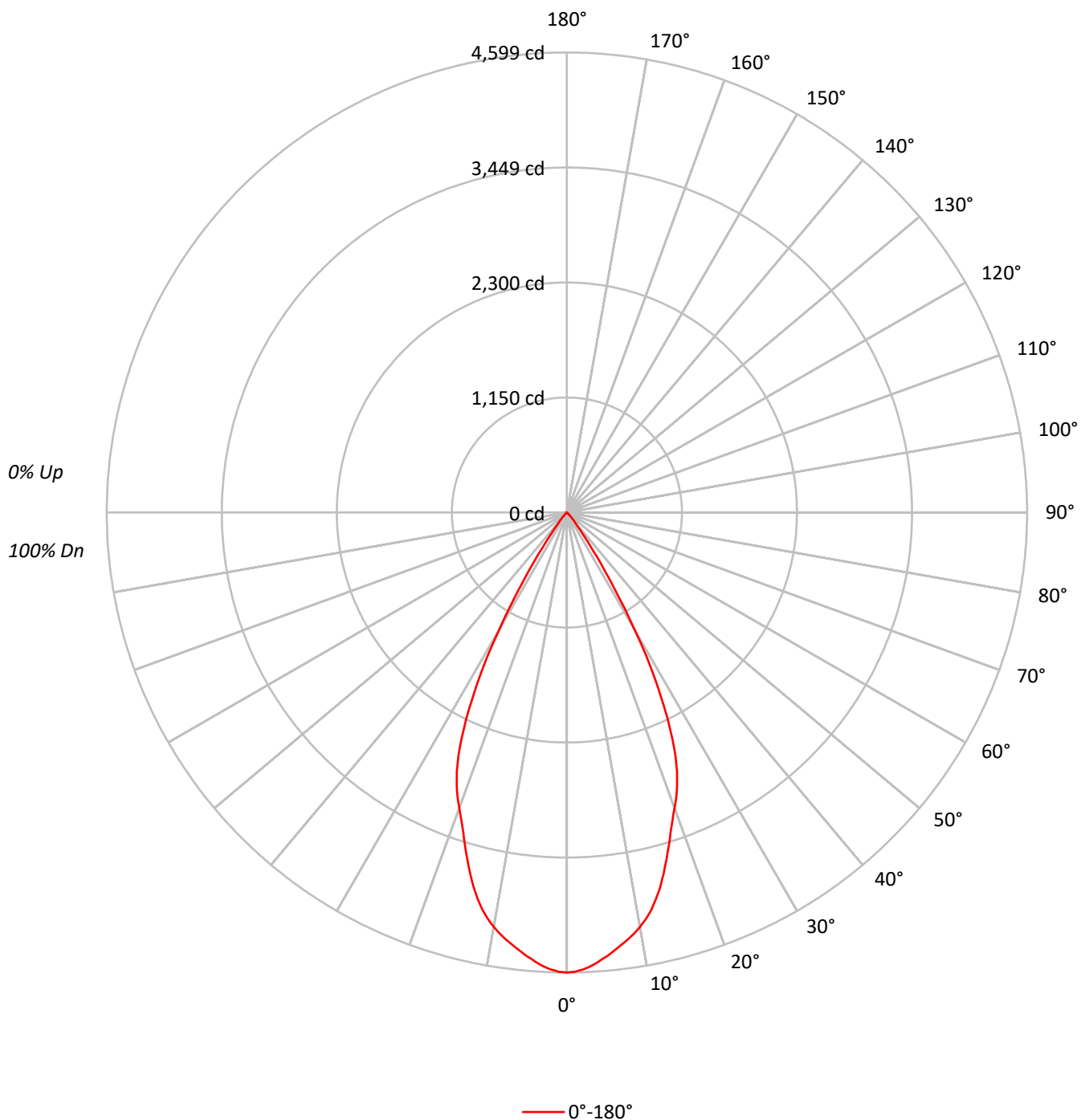
Lumens per Lamp: N/A
Luminaire Lumens: 2886.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1008538
5°	981684
10°	936812
15°	848109
20°	733734
25°	601849
30°	345724
35°	107398
40°	28854
45°	10110
50°	2422
55°	765
60°	439
65°	519
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.7	14.5
10°-20°	1035.1	35.9
20°-30°	1088.0	37.7
30°-40°	311.4	10.8
40°-50°	30.4	1.1
50°-60°	2.5	0.1
60°-70°	0.9	0.0
70°-80°	0.0	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°	2540.8	88.0
0°-40°	2852.2	98.8
0°-60°	2885.1	100.0
0°-90°	2886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4599	
5°	4460	418
15°	3736	1035
25°	2488	1088
35°	401	311
45°	33	30
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4599.3
1°	4592.2
2°	4571.8
3°	4542.3
4°	4502.6
5°	4459.8
6°	4414.0
7°	4365.1
8°	4319.3
9°	4266.4
10°	4207.3
11°	4139.1
12°	4060.7
13°	3962.9
14°	3857.0
15°	3735.9
16°	3607.6
17°	3483.3
18°	3356.1
19°	3244.1
20°	3144.3
21°	3048.6
22°	2939.6
23°	2814.4
24°	2667.7
25°	2487.5
26°	2292.0
27°	2074.1
28°	1857.2
29°	1623.0
30°	1365.4
31°	1124.1
32°	902.1
32.5°	805.4
33°	707.7
34°	542.7
35°	401.2
36°	294.3
37°	218.9
37.5°	189.4
38°	163.9
39°	127.3
40°	100.8
42.5°	57.0
45°	32.6

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	18.3
50°	7.1
52.5°	3.1
55°	2.0
57.5°	2.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	0.0
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)