

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: P1255846

Luminaire Tested: P3A24R509035D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255846
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: P3A24R509035D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

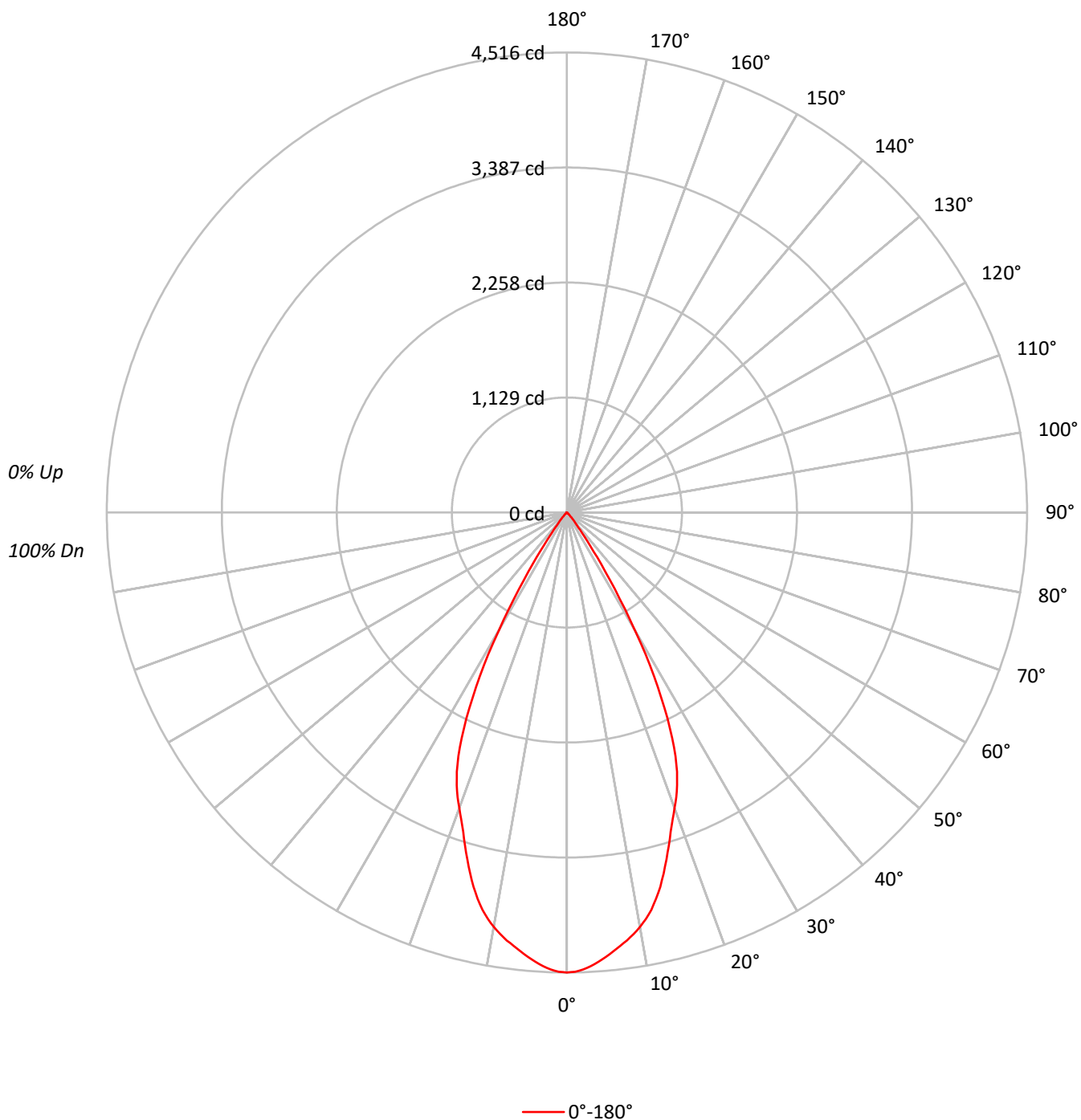
Lumens per Lamp: N/A
Luminaire Lumens: 2834.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	990359
5°	964008
10°	919934
15°	832831
20°	720503
25°	591010
30°	339495
35°	105471
40°	28339
45°	9924
50°	2388
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: 9924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.2	14.5
10°-20°	1016.5	35.9
20°-30°	1068.4	37.7
30°-40°	305.8	10.8
40°-50°	29.9	1.1
50°-60°	2.4	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°	2495.1	88.0
0°-40°	2800.8	98.8
0°-60°	2833.1	100.0
0°-90°	2834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4516	
5°	4380	410
15°	3669	1016
25°	2443	1068
35°	394	306
45°	32	30
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4516.4
1°	4509.5
2°	4489.5
3°	4460.5
4°	4421.5
5°	4379.5
6°	4334.5
7°	4286.5
8°	4241.5
9°	4189.5
10°	4131.5
11°	4064.5
12°	3987.5
13°	3891.5
14°	3787.5
15°	3668.6
16°	3542.6
17°	3420.6
18°	3295.6
19°	3185.6
20°	3087.6
21°	2993.6
22°	2886.6
23°	2763.7
24°	2619.7
25°	2442.7
26°	2250.7
27°	2036.8
28°	1823.8
29°	1593.8
30°	1340.8
31°	1103.9
32°	885.9
32.5°	790.9
33°	694.9
34°	532.9
35°	394.0
36°	289.0
37°	215.0
37.5°	186.0
38°	161.0
39°	125.0
40°	99.0
42.5°	56.0
45°	32.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	18.0
50°	7.0
52.5°	3.0
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)