

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: P1255839

Luminaire Tested: P3A24R509035D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A24R509035D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

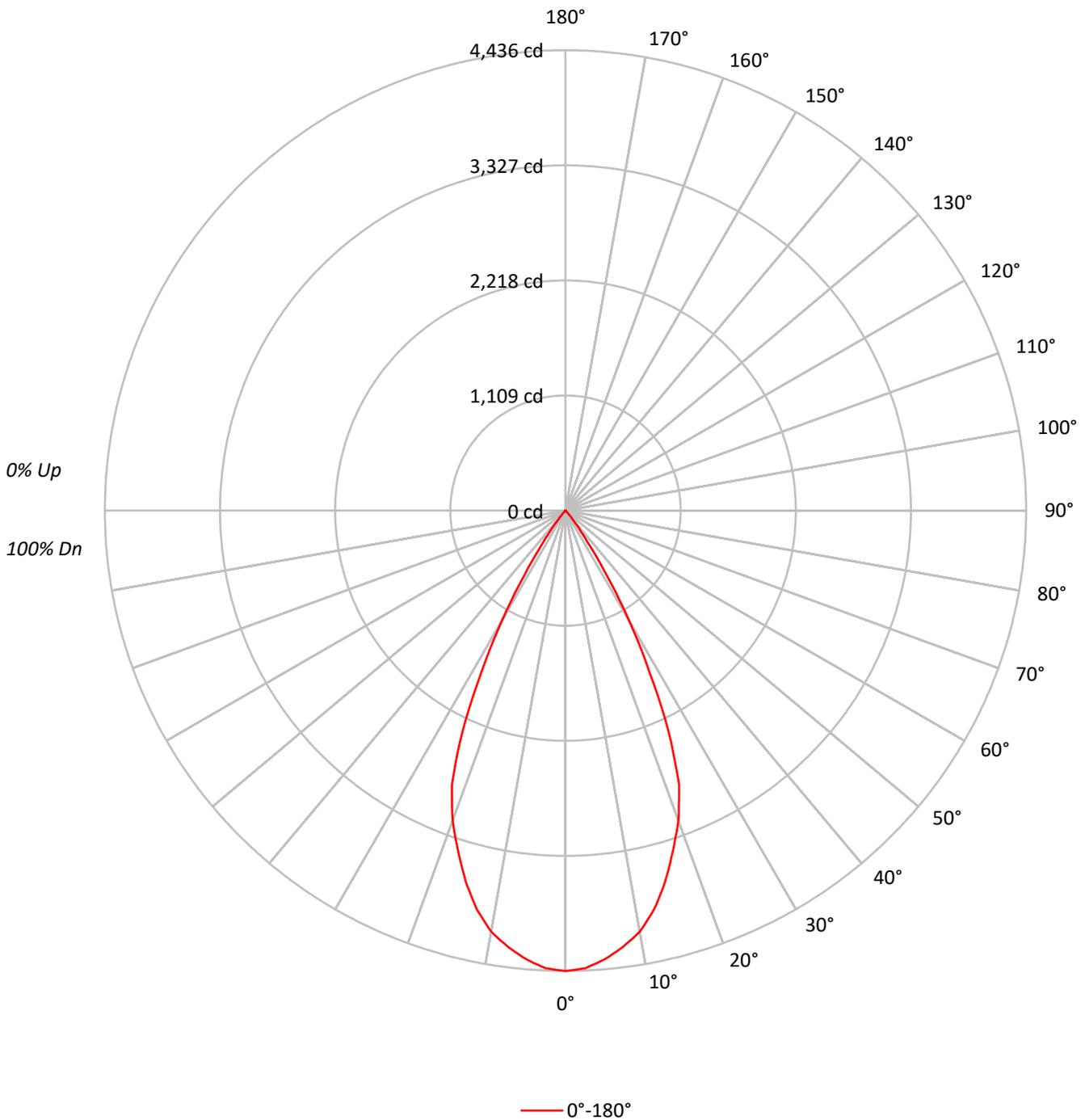
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2793.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
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				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90				90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80				80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65				65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59				59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	972707
5°	955313
10°	917262
15°	841117
20°	741714
25°	568484
30°	309111
35°	99448
40°	23387
45°	3163
50°	2797
55°	3135
60°	2675
65°	3165
70°	2629
75°	3474
80°	2526
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 5032 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.3	14.6
10°-20°	1029.9	36.9
20°-30°	1031.5	36.9
30°-40°	290.0	10.4
40°-50°	17.5	0.6
50°-60°	6.6	0.2
60°-70°	5.3	0.2
70°-80°	3.5	0.1
80°-90°	1.4	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°	2468.7	88.4
0°-40°	2758.7	98.8
0°-60°	2782.8	99.6
0°-90°	2793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2793.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4436	
5°	4340	407
15°	3705	1030
25°	2350	1031
35°	372	290
45°	10	18
55°	8	7
65°	6	5
75°	4	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4435.9
2.5°	4413.5
5°	4340.0
7.5°	4240.0
10°	4119.5
12.5°	3937.8
15°	3705.1
17.5°	3437.7
20°	3178.5
22.5°	2855.9
25°	2349.6
27.5°	1749.5
30°	1220.8
32.5°	736.9
35°	371.5
37.5°	175.6
40°	81.7
42.5°	30.6
45°	10.2
47.5°	8.2
50°	8.2
52.5°	8.2
55°	8.2
57.5°	6.1
60°	6.1
62.5°	6.1
65°	6.1
67.5°	4.1
70°	4.1
72.5°	4.1
75°	4.1
77.5°	2.0
80°	2.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)