

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: P1245688

Luminaire Tested: P3A02R309024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

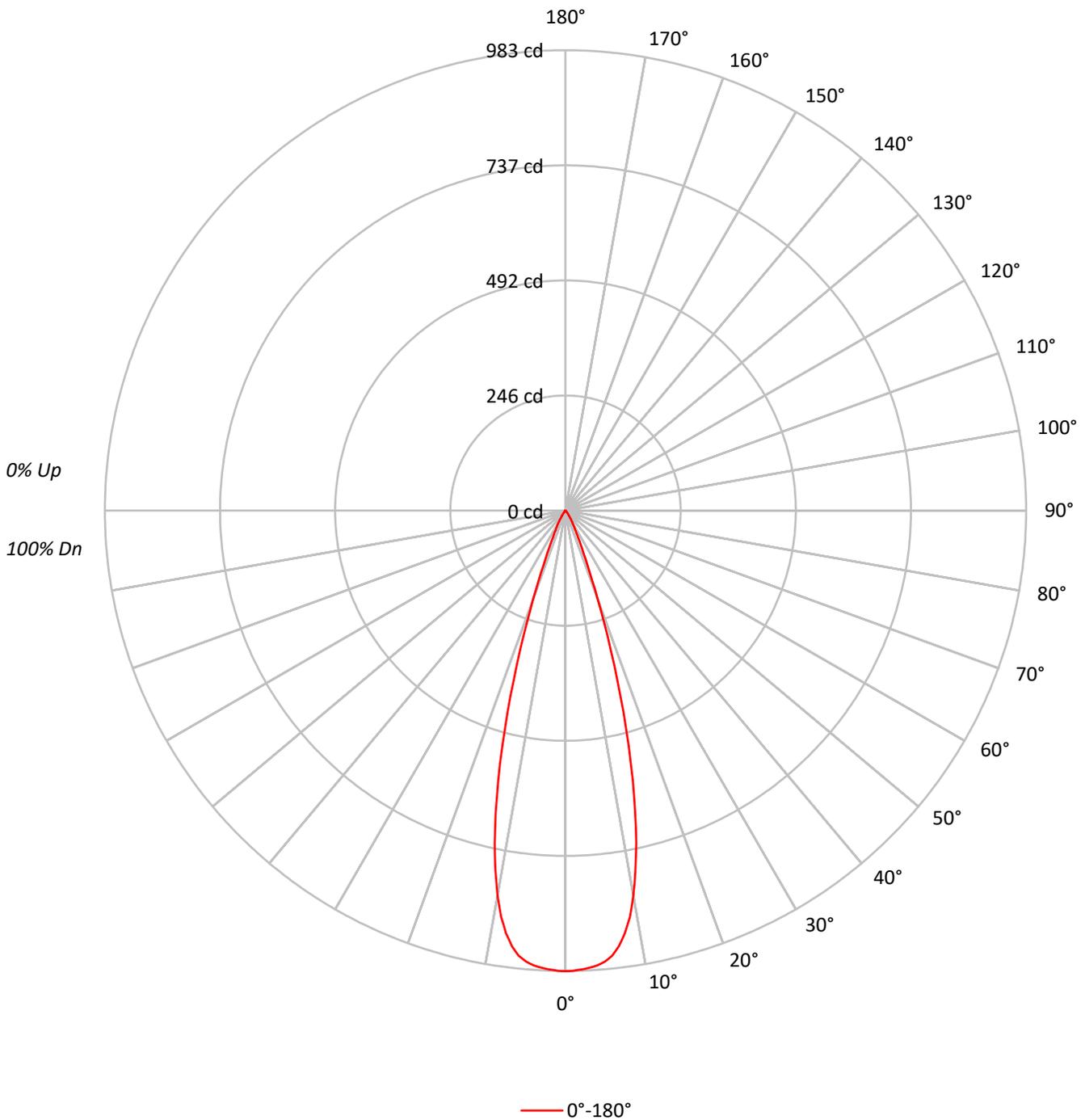
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	86	85	88
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	82	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215619
5°	212810
10°	185790
15°	118094
20°	46787
25°	15630
30°	7267
35°	3293
40°	1260
45°	620
50°	171
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 620 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	32.6
10°-20°	137.1	50.6
20°-30°	35.4	13.0
30°-40°	8.3	3.1
40°-50°	1.6	0.6
50°-60°	0.2	0.1
60°-70°	0.1	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°	260.8	96.2
0°-40°	269.1	99.3
0°-60°	270.9	100.0
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	983	
5°	967	88
15°	520	137
25°	65	35
35°	12	8
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	983.3
1°	982.6
2°	980.2
3°	977.6
4°	973.7
5°	966.8
6°	955.5
7°	936.8
8°	911.2
9°	877.9
10°	834.4
11°	782.8
12°	726.4
13°	661.5
14°	593.5
15°	520.2
16°	448.4
17°	379.1
18°	312.8
19°	251.8
20°	200.5
21°	157.8
22°	124.1
23°	98.3
24°	78.7
25°	64.6
26°	53.9
27°	45.8
28°	39.6
29°	33.9
30°	28.7
32.5°	18.1
35°	12.3
37.5°	7.7
40°	4.4
42.5°	2.9
45°	2.0
47.5°	1.2
50°	0.5
52.5°	0.2
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.1
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)