

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: P1250316

Luminaire Tested: P3AS24R309027D010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R309027D010 E3D1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

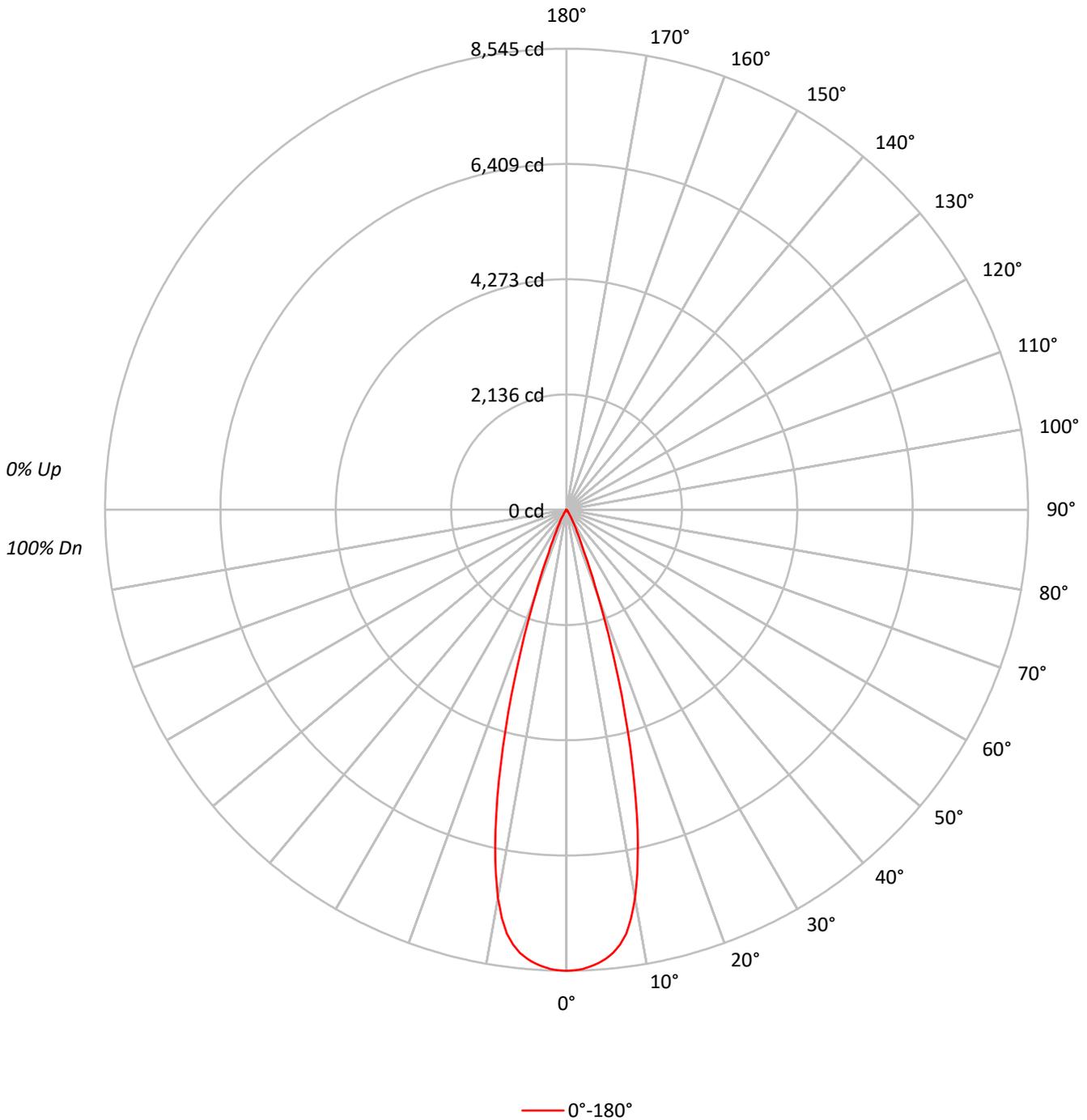
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2300.9 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	89	86	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	80	77	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1873797
5°	1838384
10°	1627425
15°	1031084
20°	391381
25°	115870
30°	45754
35°	14027
40°	6212
45°	2233
50°	1842
55°	1376
60°	1579
65°	1868
70°	1154
75°	1525
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 2273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.8	33.4
10°-20°	1196.5	52.0
20°-30°	277.8	12.1
30°-40°	43.0	1.9
40°-50°	7.4	0.3
50°-60°	3.4	0.1
60°-70°	2.9	0.1
70°-80°	1.9	0.1
80°-90°	0.2	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°	2242.1	97.4
0°-40°	2285.1	99.3
0°-60°	2295.9	99.8
0°-90°	2300.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2300.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8545	
5°	8352	768
15°	4542	1197
25°	479	278
35°	52	43
45°	7	7
55°	4	3
65°	4	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8545.2
1°	8539.7
2°	8516.2
3°	8476.5
4°	8425.9
5°	8351.8
6°	8259.6
7°	8122.2
8°	7934.3
9°	7657.8
10°	7308.9
11°	6858.9
12°	6351.0
13°	5787.1
14°	5167.2
15°	4541.9
17.5°	2971.3
20°	1677.2
22.5°	856.7
25°	478.9
27.5°	294.6
30°	180.7
32.5°	97.6
35°	52.4
37.5°	34.3
40°	21.7
42.5°	12.7
45°	7.2
47.5°	5.4
50°	5.4
52.5°	3.6
55°	3.6
57.5°	3.6
60°	3.6
62.5°	3.6
65°	3.6
67.5°	1.8
70°	1.8
72.5°	1.8
75°	1.8
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)