

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: P1268221

Luminaire Tested: P3AS20R409735D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409735D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

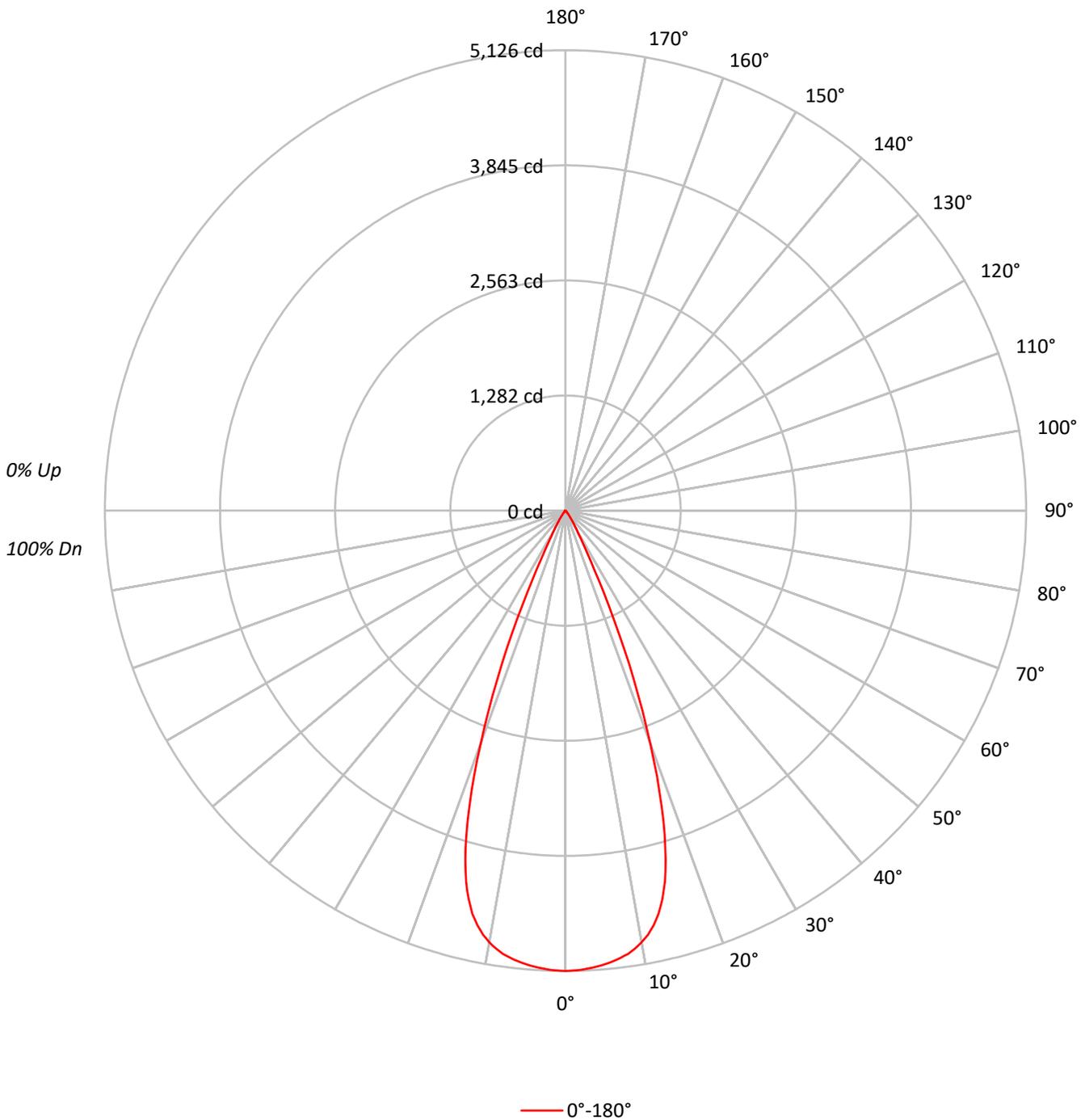
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2205.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
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		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73		
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70		
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1123945
5°	1115824
10°	1086620
15°	970653
20°	643613
25°	241127
30°	64491
35°	25217
40°	9046
45°	4311
50°	1330
55°	573
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4311 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.4	21.7
10°-20°	1132.9	51.4
20°-30°	513.8	23.3
30°-40°	66.6	3.0
40°-50°	11.5	0.5
50°-60°	1.4	0.1
60°-70°	0.5	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°	2125.0	96.4
0°-40°	2191.6	99.4
0°-60°	2204.5	100.0
0°-90°	2205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5126	
5°	5069	478
15°	4276	1133
25°	997	514
35°	94	67
45°	14	12
55°	2	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5125.6
1°	5122.5
2°	5114.8
3°	5103.2
4°	5088.5
5°	5069.2
6°	5046.8
7°	5019.0
8°	4985.1
9°	4938.8
10°	4880.1
11°	4811.4
12°	4719.5
13°	4606.1
14°	4457.9
15°	4275.7
16°	4043.3
17°	3778.6
18°	3460.5
19°	3124.7
20°	2758.1
21°	2391.4
22°	2030.2
23°	1670.4
24°	1316.9
25°	996.6
26°	738.0
27°	540.3
28°	406.0
29°	315.7
30°	254.7
31°	210.7
32°	176.0
32.5°	160.6
33°	145.1
34°	118.1
35°	94.2
36°	74.1
37°	58.7
37.5°	52.5
38°	46.3
39°	38.6
40°	31.6
42.5°	20.8
45°	13.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.5
50°	3.9
52.5°	1.5
55°	1.5
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.0
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)