

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: P1268102

Luminaire Tested: P3A20R209735D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209735D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

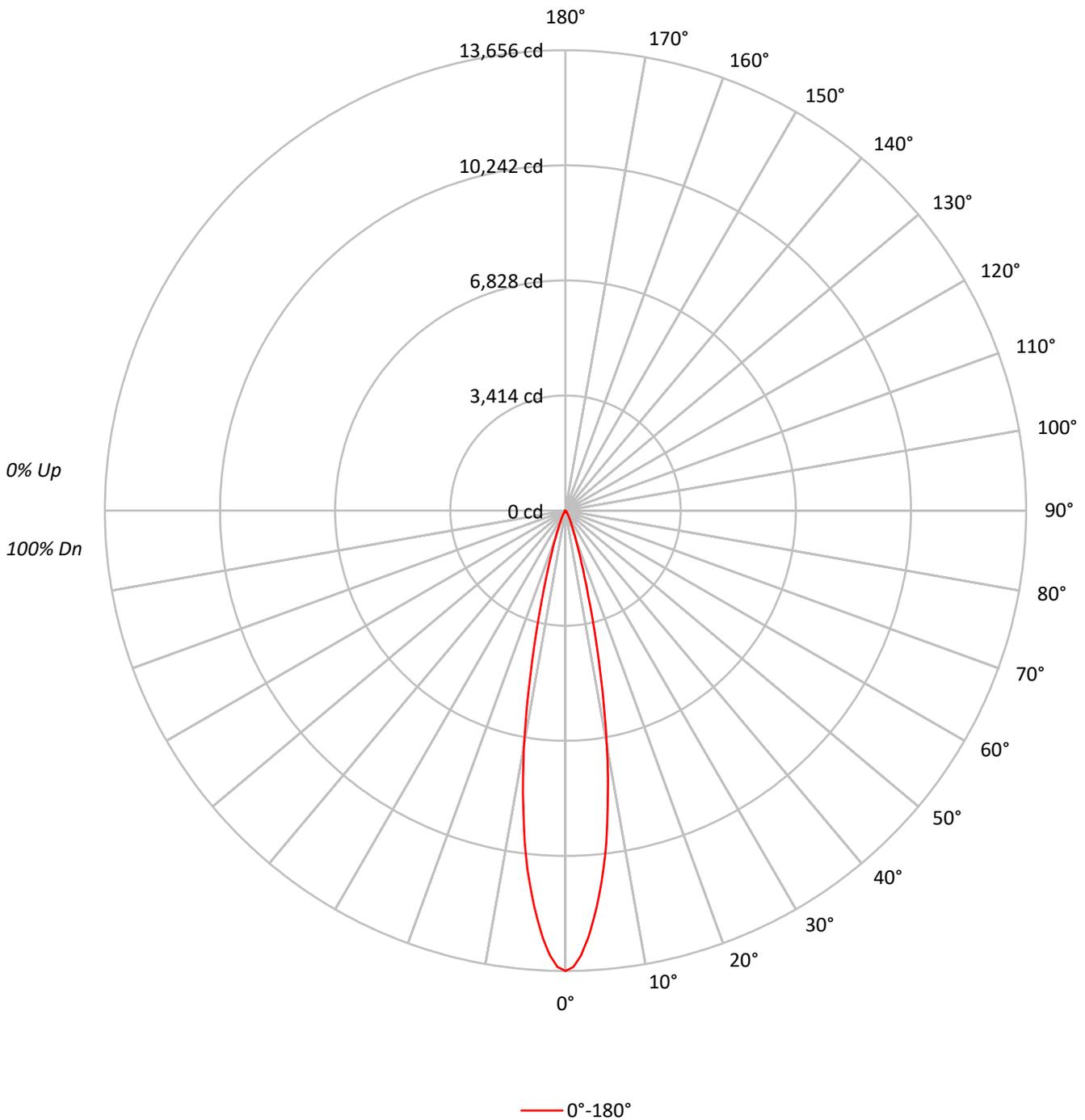
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1974.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
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	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2994387
5°	2521147
10°	1574698
15°	588721
20°	202084
25°	84223
30°	39677
35°	17775
40°	8387
45°	4311
50°	1569
55°	306
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°	952.5	48.2
10°-20°	784.6	39.7
20°-30°	178.3	9.0
30°-40°	45.4	2.3
40°-50°	11.4	0.6
50°-60°	1.5	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°	1915.3	97.0
0°-40°	1960.7	99.3
0°-60°	1973.6	100.0
0°-90°	1974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13656	
5°	11454	952
15°	2593	785
25°	348	178
35°	66	45
45°	14	11
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13655.5
1°	13539.8
2°	13198.6
3°	12709.3
4°	12108.9
5°	11453.6
6°	10723.5
7°	9917.7
8°	8977.6
9°	8046.1
10°	7072.1
11°	6035.5
12°	5000.5
13°	4123.8
14°	3285.6
15°	2593.3
16°	2046.8
17°	1614.6
18°	1297.4
19°	1055.1
20°	866.0
21°	724.0
22°	604.3
23°	502.4
24°	419.1
25°	348.1
27.5°	227.7
30°	156.7
32.5°	96.5
35°	66.4
37.5°	42.4
40°	29.3
42.5°	20.1
45°	13.9
47.5°	9.3
50°	4.6
52.5°	2.3
55°	0.8
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



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CANDELA DISTRIBUTION (continued):

	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)