

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: P1268161

Luminaire Tested: P3A20R309735D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268161
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: P3A20R309735D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

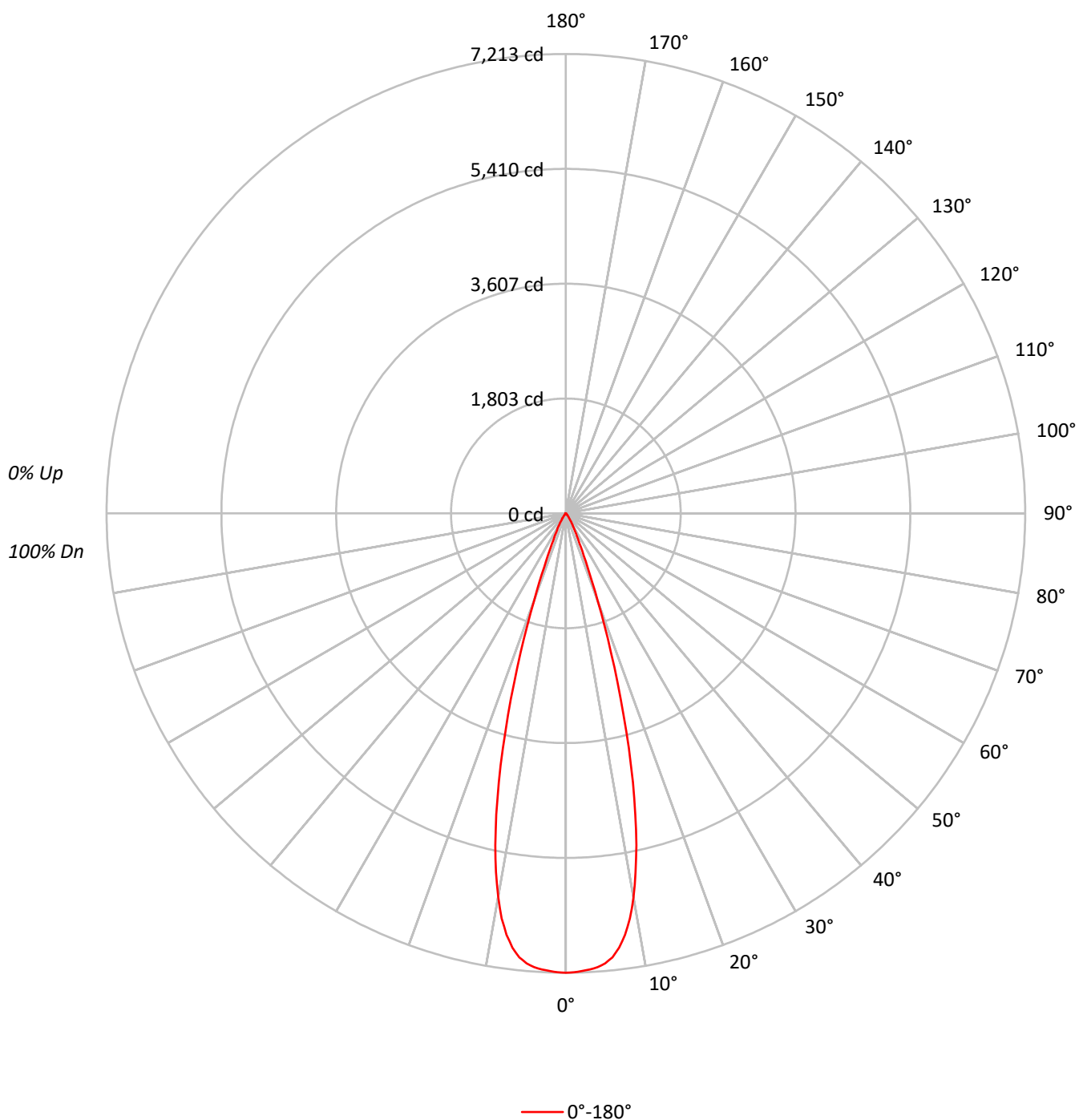
Lumens per Lamp: N/A
Luminaire Lumens: 1988.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1581715
5°	1561079
10°	1362967
15°	866316
20°	343240
25°	114636
30°	53350
35°	24173
40°	9275
45°	4559
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: 4559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.4	32.6
10°-20°	1005.5	50.6
20°-30°	259.3	13.0
30°-40°	60.9	3.1
40°-50°	11.9	0.6
50°-60°	1.4	0.1
60°-70°	0.7	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°	1913.2	96.2
0°-40°	1974.1	99.3
0°-60°	1987.3	100.0
0°-90°	1988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7213	
5°	7092	648
15°	3816	1006
25°	474	259
35°	90	61
45°	15	12
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7213.2
1°	7207.8
2°	7190.8
3°	7171.5
4°	7143.0
5°	7092.0
6°	7009.5
7°	6872.1
8°	6684.6
9°	6439.9
10°	6121.2
11°	5742.3
12°	5328.7
13°	4852.5
14°	4354.0
15°	3816.1
16°	3289.0
17°	2781.3
18°	2294.3
19°	1847.5
20°	1470.9
21°	1157.6
22°	910.6
23°	720.8
24°	577.2
25°	473.8
26°	395.1
27°	335.7
28°	290.2
29°	248.5
30°	210.7
32.5°	132.7
35°	90.3
37.5°	56.3
40°	32.4
42.5°	21.6
45°	14.7
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



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
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)