

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: P1268112

Luminaire Tested: P3A20R209735D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209735D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

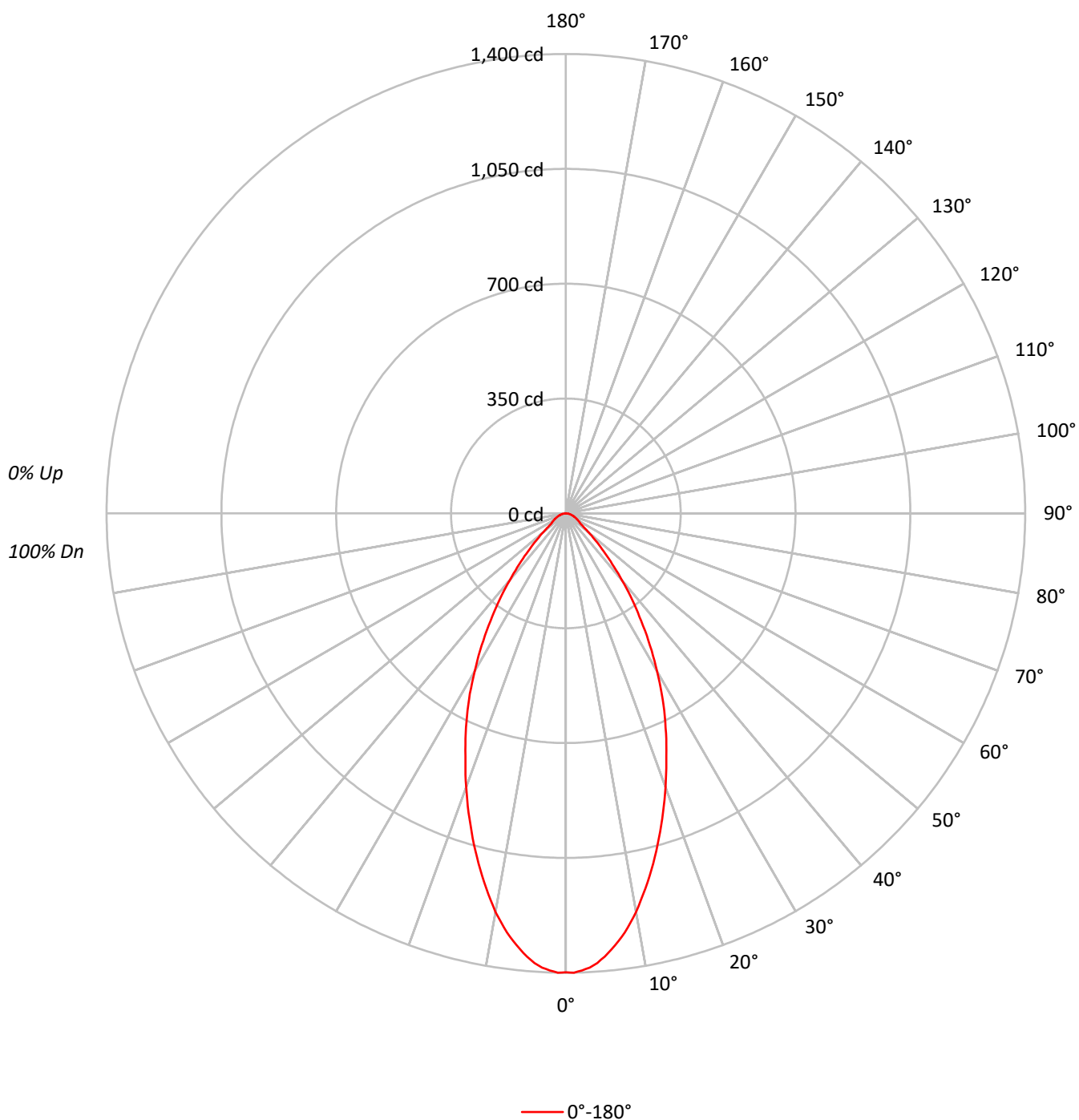
Lumens per Lamp: N/A
Luminaire Lumens: 1240.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		90
3	100	93	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	59	54	74	64	58	54	63	58	54		62	57	53		61
9	72	61	55	50	70	61	55	50	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306708
5°	298524
10°	274611
15°	241727
20°	207311
25°	174155
30°	140781
35°	107104
40°	76200
45°	50300
50°	31180
55°	20492
60°	18639
65°	17174
70°	16157
75°	14657
80°	13891
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	10.1
10°-20°	296.4	23.9
20°-30°	329.0	26.5
30°-40°	251.0	20.2
40°-50°	128.5	10.4
50°-60°	52.8	4.3
60°-70°	32.9	2.7
70°-80°	18.5	1.5
80°-90°	5.4	0.4
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°	750.9	60.6
0°-40°	1001.9	80.8
0°-60°	1183.3	95.4
0°-90°	1240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1240.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1399	
5°	1356	125
15°	1065	296
25°	720	329
35°	400	251
45°	162	129
55°	54	53
65°	33	33
75°	17	18
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1398.7
1°	1400.3
2°	1394.0
3°	1386.1
4°	1373.5
5°	1356.2
6°	1335.7
7°	1313.7
8°	1290.0
9°	1261.7
10°	1233.3
12.5°	1151.4
15°	1064.8
17.5°	976.6
20°	888.4
22.5°	800.2
25°	719.8
27.5°	639.5
30°	556.0
32.5°	477.3
35°	400.1
37.5°	332.4
40°	266.2
42.5°	209.5
45°	162.2
47.5°	122.9
50°	91.4
52.5°	67.7
55°	53.6
57.5°	48.8
60°	42.5
62.5°	37.8
65°	33.1
67.5°	28.4
70°	25.2
72.5°	20.5
75°	17.3
77.5°	14.2
80°	11.0
82.5°	7.9
85°	4.7
87.5°	1.6
90°	0.0

(END OF REPORT)