

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: P1249924

Luminaire Tested: P3AS20R209027D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249924
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: P3AS20R209027D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

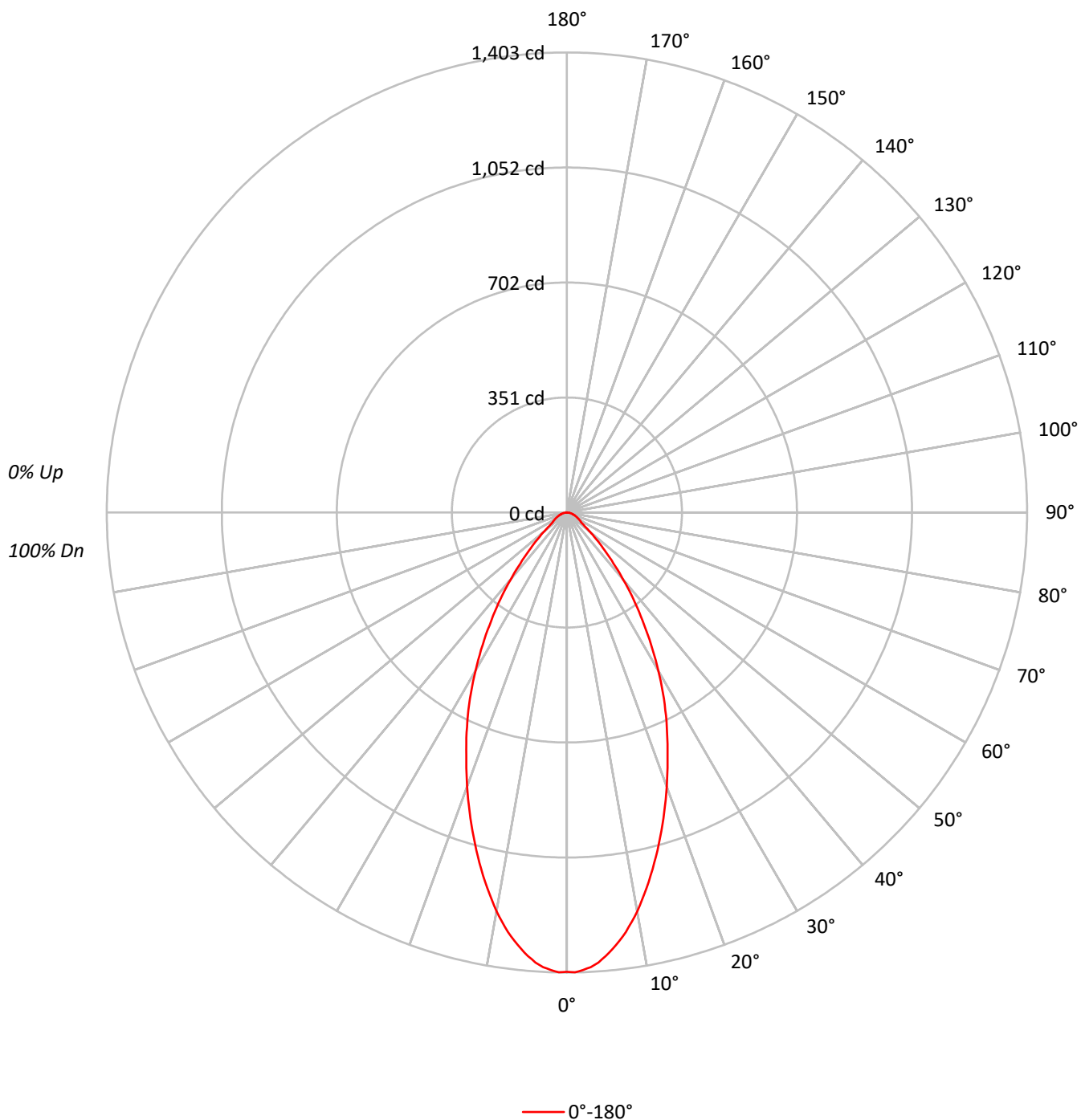
Lumens per Lamp: N/A
Luminaire Lumens: 1241.9 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1249924

CATALOG NUMBER: P3AS20R209027D010 E3DLD1MW

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°	307212
5°	299009
10°	275056
15°	242113
20°	207638
25°	174446
30°	141009
35°	107264
40°	76314
45°	50393
50°	31214
55°	20492
60°	18683
65°	17174
70°	16157
75°	14742
80°	13891
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50393 cd/sqm

TEST NUMBER: P1249924

CATALOG NUMBER: P3AS20R209027D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	10.1
10°-20°	296.9	23.9
20°-30°	329.5	26.5
30°-40°	251.4	20.2
40°-50°	128.7	10.4
50°-60°	52.9	4.3
60°-70°	33.0	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°	752.1	60.6
0°-40°	1003.5	80.8
0°-60°	1185.1	95.4
0°-90°	1241.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1401	
5°	1358	126
15°	1066	297
25°	721	330
35°	401	251
45°	162	129
55°	54	53
65°	33	33
75°	17	19
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1401.0
1°	1402.6
2°	1396.3
3°	1388.4
4°	1375.7
5°	1358.4
6°	1337.9
7°	1315.8
8°	1292.1
9°	1263.7
10°	1235.3
12.5°	1153.3
15°	1066.5
17.5°	978.2
20°	889.8
22.5°	801.5
25°	721.0
27.5°	640.5
30°	556.9
32.5°	478.0
35°	400.7
37.5°	332.9
40°	266.6
42.5°	209.8
45°	162.5
47.5°	123.1
50°	91.5
52.5°	67.8
55°	53.6
57.5°	48.9
60°	42.6
62.5°	37.9
65°	33.1
67.5°	28.4
70°	25.2
72.5°	20.5
75°	17.4
77.5°	14.2
80°	11.0
82.5°	7.9
85°	4.7
87.5°	1.6
90°	0.0

(END OF REPORT)