

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: P1270693

Luminaire Tested: P3A20R559740D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559740D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

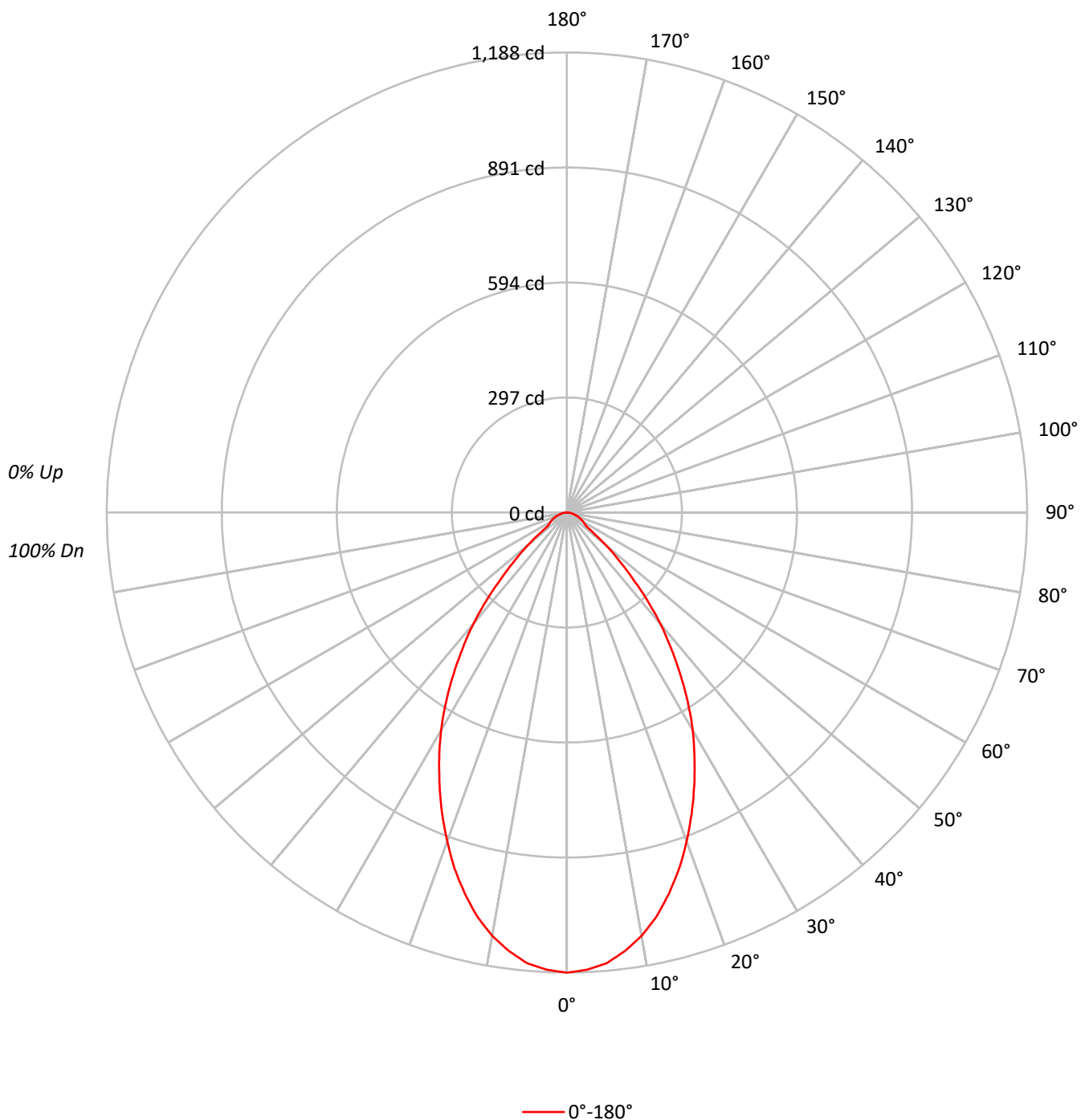
Lumens per Lamp: N/A
Luminaire Lumens: 1386.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	260593
5°	257274
10°	247134
15°	231148
20°	210858
25°	188140
30°	164557
35°	136710
40°	107773
45°	73093
50°	44689
55°	23168
60°	21533
65°	20391
70°	18913
75°	16606
80°	16543
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	7.9
10°-20°	284.6	20.5
20°-30°	356.4	25.7
30°-40°	318.1	23.0
40°-50°	186.3	13.4
50°-60°	64.3	4.6
60°-70°	38.9	2.8
70°-80°	21.6	1.6
80°-90°	6.2	0.5
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°	750.6	54.2
0°-40°	1068.7	77.1
0°-60°	1319.3	95.2
0°-90°	1386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1188	
5°	1169	110
15°	1018	285
25°	778	356
35°	511	318
45°	236	186
55°	61	64
65°	39	39
75°	20	22
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1188.4
2.5°	1181.9
5°	1168.8
7.5°	1142.6
10°	1109.9
12.5°	1068.9
15°	1018.2
17.5°	964.2
20°	903.6
22.5°	841.4
25°	777.6
27.5°	713.7
30°	649.9
32.5°	581.1
35°	510.7
37.5°	442.0
40°	376.5
42.5°	306.1
45°	235.7
47.5°	180.1
50°	131.0
52.5°	85.1
55°	60.6
57.5°	54.0
60°	49.1
62.5°	44.2
65°	39.3
67.5°	34.4
70°	29.5
72.5°	24.6
75°	19.6
77.5°	16.4
80°	13.1
82.5°	8.2
85°	4.9
87.5°	3.3
90°	0.0

(END OF REPORT)