

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: P1270082

Luminaire Tested: P3A17R159740DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R159740DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

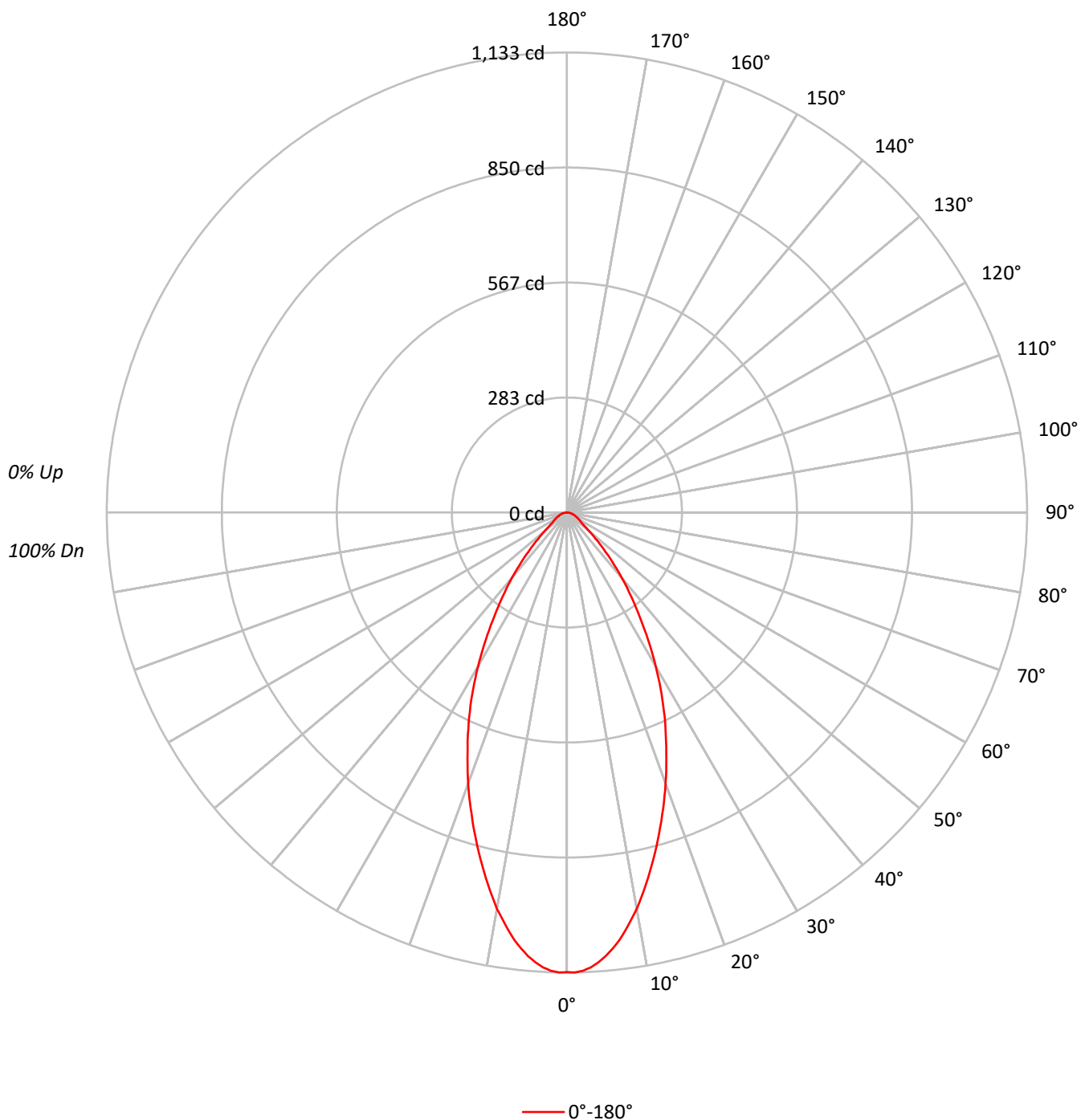
Lumens per Lamp: N/A
Luminaire Lumens: 983.9 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		74
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		69
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		65
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248204
5°	241470
10°	220659
15°	193281
20°	165798
25°	138443
30°	110777
35°	83092
40°	60313
45°	39446
50°	24664
55°	16668
60°	14780
65°	13594
70°	12759
75°	11607
80°	10986
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39446 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	10.3
10°-20°	237.2	24.1
20°-30°	261.4	26.6
30°-40°	195.7	19.9
40°-50°	101.5	10.3
50°-60°	42.0	4.3
60°-70°	26.0	2.6
70°-80°	14.6	1.5
80°-90°	4.2	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°	599.8	61.0
0°-40°	795.6	80.9
0°-60°	939.1	95.4
0°-90°	983.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1132	
5°	1097	101
15°	851	237
25°	572	261
35°	310	196
45°	127	101
55°	44	42
65°	26	26
75°	14	15
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1131.9
1°	1133.1
2°	1129.4
3°	1121.9
4°	1110.7
5°	1097.0
6°	1079.5
7°	1060.8
8°	1038.4
9°	1014.7
10°	991.0
12.5°	922.5
15°	851.4
17.5°	780.4
20°	710.5
22.5°	639.5
25°	572.2
27.5°	504.9
30°	437.5
32.5°	371.5
35°	310.4
37.5°	258.0
40°	210.7
42.5°	167.0
45°	127.2
47.5°	96.0
50°	72.3
52.5°	53.6
55°	43.6
57.5°	38.6
60°	33.7
62.5°	29.9
65°	26.2
67.5°	22.4
70°	19.9
72.5°	16.2
75°	13.7
77.5°	11.2
80°	8.7
82.5°	6.2
85°	3.7
87.5°	1.2
90°	0.0

(END OF REPORT)