

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: P1272902

Luminaire Tested: P3A02R159830DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272902
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: P3A02R159830DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

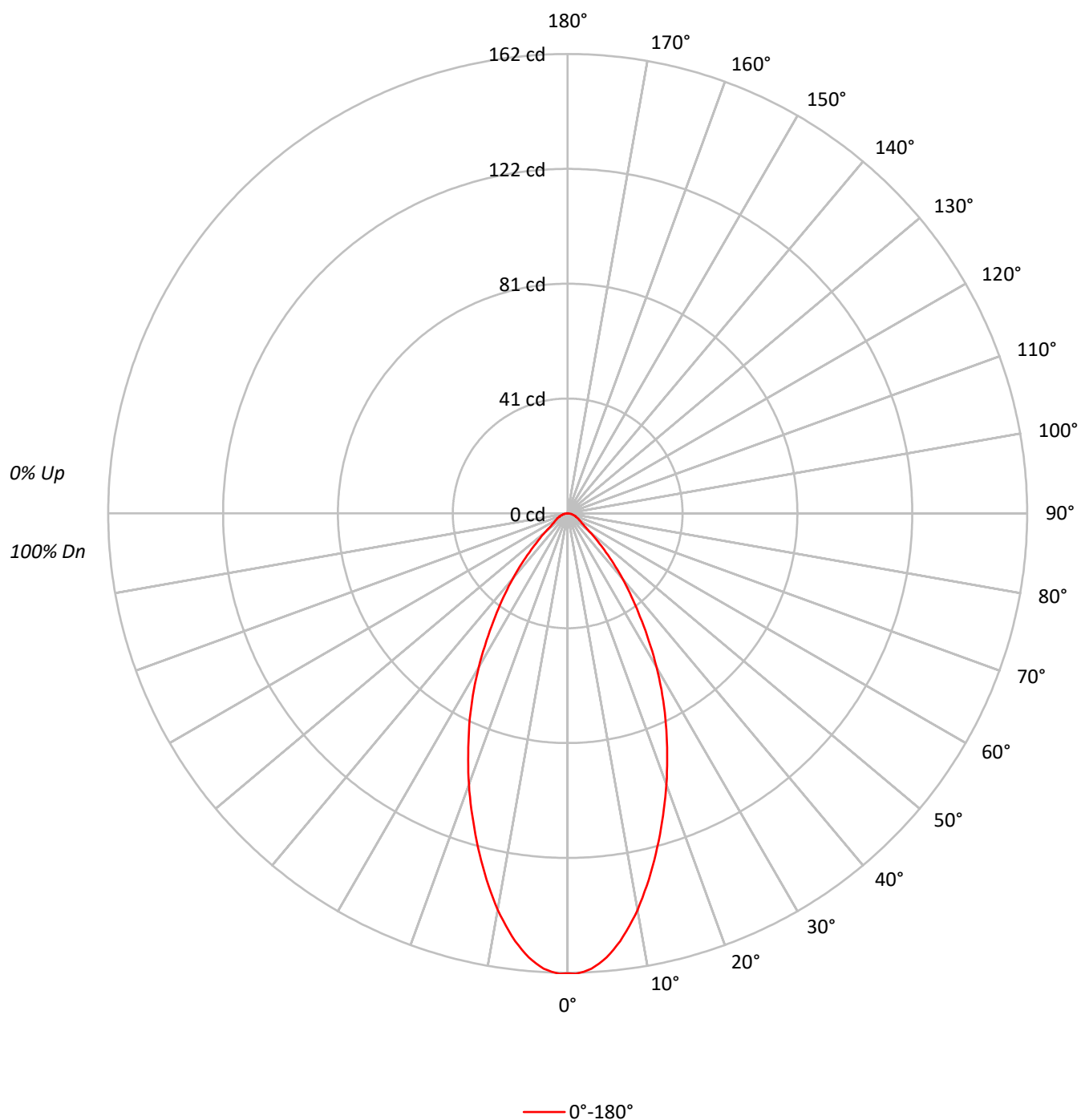
Lumens per Lamp: N/A
Luminaire Lumens: 141.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	109	106	104		110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92		104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	93	87	83		98	91	86	82		89	84	81		86	82	79		84	81	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	73	68		87	79	73	68		77	72	67		75	70	67		74	69	66
6	84	74	68	63		83	73	67	63		72	66	62		70	66	62		69	65	61
7	80	69	63	58		78	69	63	58		67	62	58		66	61	57		65	61	57
8	76	65	59	54		74	65	58	54		63	58	54		62	57	54		61	57	53
9	72	61	55	51		71	61	55	51		60	54	50		59	54	50		58	53	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35567
5°	34603
10°	31618
15°	27696
20°	23755
25°	19840
30°	15876
35°	11912
40°	8645
45°	5644
50°	3548
55°	2409
60°	2105
65°	1972
70°	1859
75°	1694
80°	1642
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	10.3
10°-20°	34.0	24.1
20°-30°	37.4	26.5
30°-40°	28.1	19.9
40°-50°	14.5	10.3
50°-60°	6.0	4.3
60°-70°	3.7	2.7
70°-80°	2.1	1.5
80°-90°	0.6	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°	85.9	60.9
0°-40°	114.0	80.8
0°-60°	134.6	95.4
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	162	
5°	157	15
15°	122	34
25°	82	37
35°	44	28
45°	18	15
55°	6	6
65°	4	4
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	162.2
1°	162.4
2°	161.8
3°	160.8
4°	159.2
5°	157.2
6°	154.7
7°	152.0
8°	148.8
9°	145.4
10°	142.0
12.5°	132.2
15°	122.0
17.5°	111.8
20°	101.8
22.5°	91.6
25°	82.0
27.5°	72.3
30°	62.7
32.5°	53.2
35°	44.5
37.5°	37.0
40°	30.2
42.5°	23.9
45°	18.2
47.5°	13.8
50°	10.4
52.5°	7.7
55°	6.3
57.5°	5.5
60°	4.8
62.5°	4.3
65°	3.8
67.5°	3.2
70°	2.9
72.5°	2.3
75°	2.0
77.5°	1.6
80°	1.3
82.5°	0.9
85°	0.5
87.5°	0.2
90°	0.0

(END OF REPORT)