

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: P1273937

Luminaire Tested: P3A13R159830DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273937
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: P3A13R159830DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

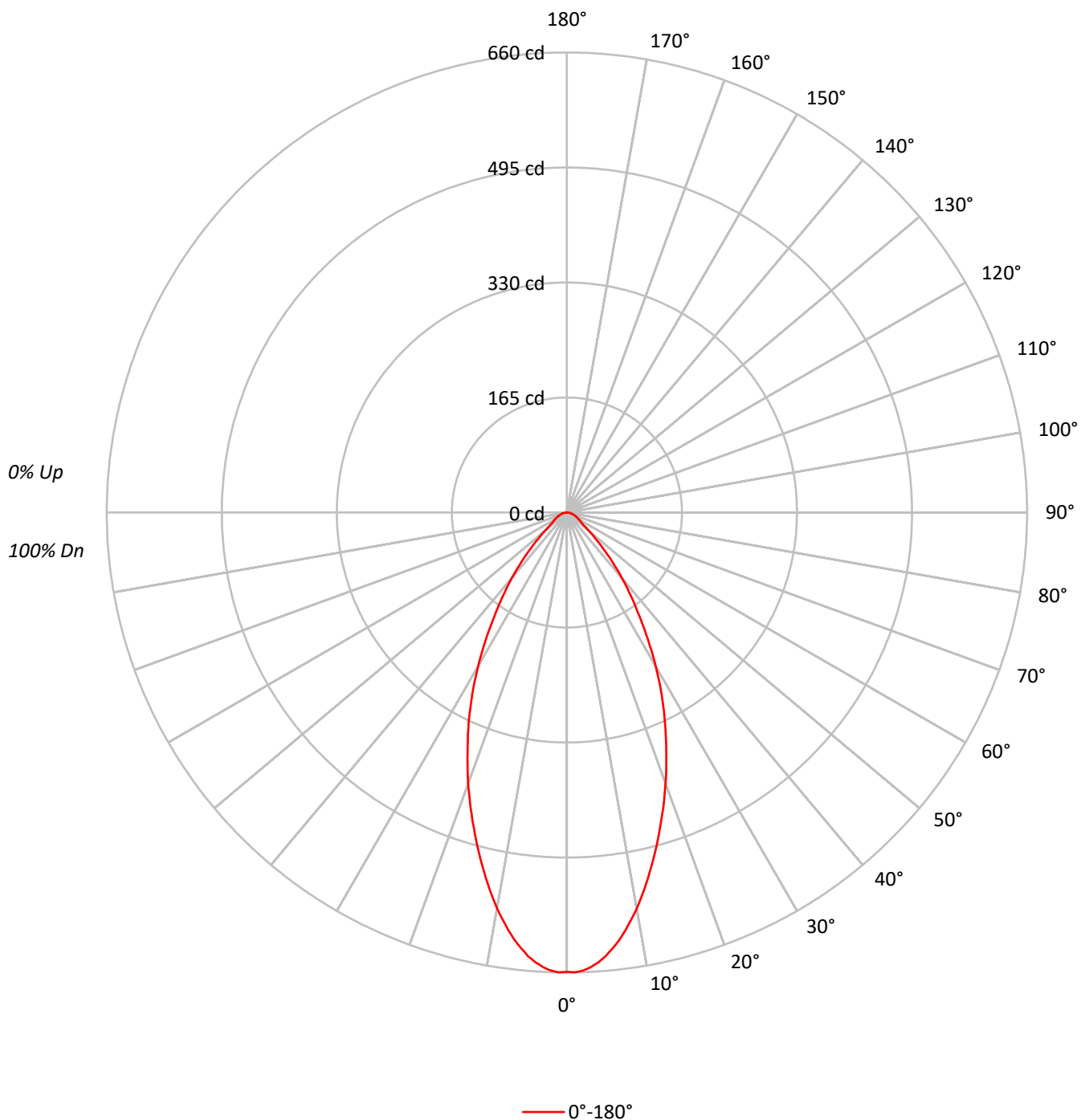
Lumens per Lamp: N/A
Luminaire Lumens: 573.0 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1273937

CATALOG NUMBER: P3A13R159830DE010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1273937

CATALOG NUMBER: P3A13R159830DE010 E3DLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		91
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		83
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		76
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		70
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		65
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		60
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		56
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		52
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		49
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144528
5°	140612
10°	128499
15°	112555
20°	96562
25°	80618
30°	64516
35°	48372
40°	35123
45°	22948
50°	14362
55°	9711
60°	8596
65°	7887
70°	7437
75°	6778
80°	6440
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22948 cd/sqm

TEST NUMBER: P1273937

CATALOG NUMBER: P3A13R159830DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	10.3
10°-20°	138.1	24.1
20°-30°	152.2	26.6
30°-40°	114.0	19.9
40°-50°	59.1	10.3
50°-60°	24.5	4.3
60°-70°	15.2	2.6
70°-80°	8.5	1.5
80°-90°	2.5	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°	349.3	61.0
0°-40°	463.3	80.9
0°-60°	546.8	95.4
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	659	
5°	639	59
15°	496	138
25°	333	152
35°	181	114
45°	74	59
55°	25	24
65°	15	15
75°	8	9
85°	2	2
90°	0	

TEST NUMBER: P1273937

CATALOG NUMBER: P3A13R159830DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	659.1
1°	659.8
2°	657.7
3°	653.3
4°	646.8
5°	638.8
6°	628.6
7°	617.7
8°	604.7
9°	590.9
10°	577.1
12.5°	537.2
15°	495.8
17.5°	454.4
20°	413.8
22.5°	372.4
25°	333.2
27.5°	294.0
30°	254.8
32.5°	216.3
35°	180.7
37.5°	150.3
40°	122.7
42.5°	97.3
45°	74.0
47.5°	55.9
50°	42.1
52.5°	31.2
55°	25.4
57.5°	22.5
60°	19.6
62.5°	17.4
65°	15.2
67.5°	13.1
70°	11.6
72.5°	9.4
75°	8.0
77.5°	6.5
80°	5.1
82.5°	3.6
85°	2.2
87.5°	0.7
90°	0.0

(END OF REPORT)