

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: P1266362

Luminaire Tested: P3A02R509735DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R509735DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

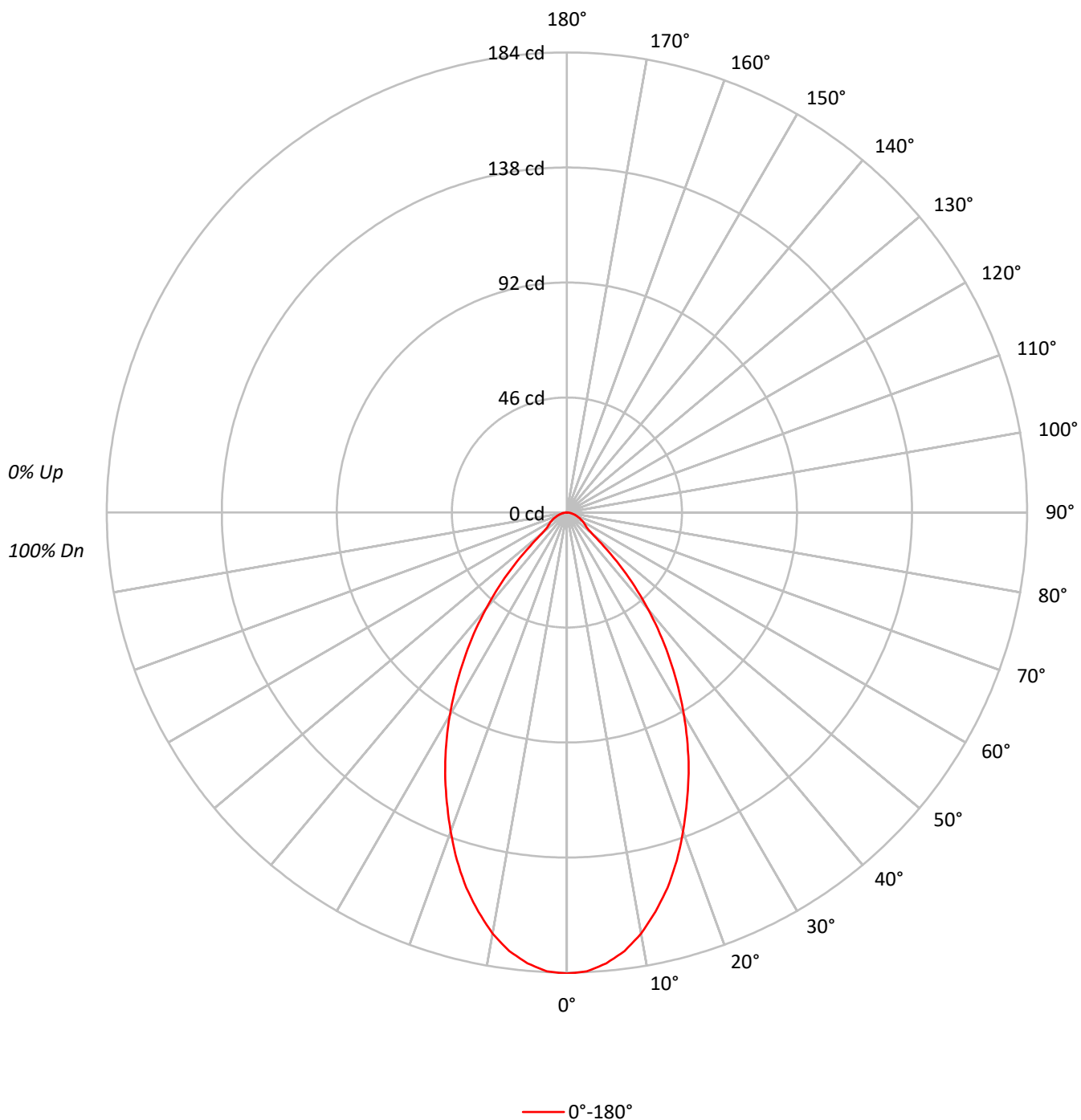
Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1266362

CATALOG NUMBER: P3A02R509735DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1266362

CATALOG NUMBER: P3A02R509735DE010 E3DLD1MW

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	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40435
5°	39841
10°	38075
15°	35278
20°	31689
25°	27873
30°	23700
35°	19220
40°	14427
45°	9303
50°	4401
55°	3479
60°	3289
65°	3061
70°	2757
75°	2542
80°	2273
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9303 cd/sqm

TEST NUMBER: P1266362

CATALOG NUMBER: P3A02R509735DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	8.5
10°-20°	43.3	21.8
20°-30°	52.6	26.4
30°-40°	44.6	22.4
40°-50°	23.2	11.6
50°-60°	8.4	4.2
60°-70°	5.8	2.9
70°-80°	3.2	1.6
80°-90°	1.0	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°	112.9	56.7
0°-40°	157.6	79.2
0°-60°	189.1	95.0
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	184	
5°	181	17
15°	155	43
25°	115	53
35°	72	45
45°	30	23
55°	9	8
65°	6	6
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1266362

CATALOG NUMBER: P3A02R509735DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	184.4
2.5°	183.7
5°	181.0
7.5°	176.9
10°	171.0
12.5°	163.5
15°	155.4
17.5°	146.0
20°	135.8
22.5°	125.4
25°	115.2
27.5°	104.5
30°	93.6
32.5°	82.7
35°	71.8
37.5°	61.1
40°	50.4
42.5°	40.2
45°	30.0
47.5°	20.0
50°	12.9
52.5°	10.0
55°	9.1
57.5°	8.2
60°	7.5
62.5°	6.6
65°	5.9
67.5°	5.0
70°	4.3
72.5°	3.6
75°	3.0
77.5°	2.3
80°	1.8
82.5°	1.4
85°	0.9
87.5°	0.5
90°	0.0

(END OF REPORT)