

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: P1266772

Luminaire Tested: P3A05R509735DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266772
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: P3A05R509735DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

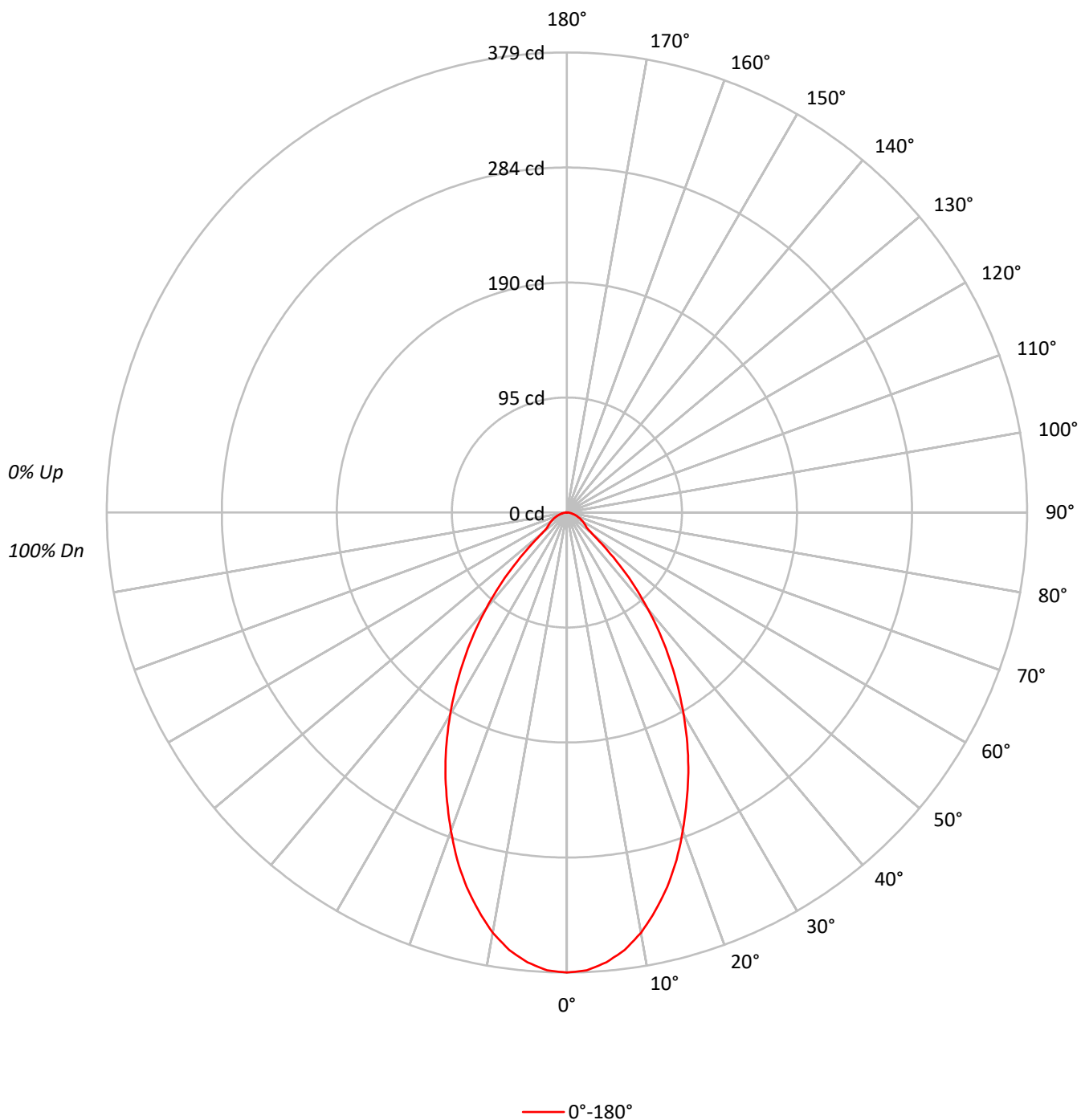
Lumens per Lamp: N/A
Luminaire Lumens: 409.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1266772

CATALOG NUMBER: P3A05R509735DE010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1266772

CATALOG NUMBER: P3A05R509735DE010 E3DLD1LI

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°	83107
5°	81884
10°	78266
15°	72486
20°	65129
25°	57269
30°	48691
35°	39485
40°	29656
45°	19103
50°	9074
55°	7149
60°	6754
65°	6278
70°	5706
75°	5168
80°	4672
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19103 cd/sqm

TEST NUMBER: P1266772

CATALOG NUMBER: P3A05R509735DE010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	8.5
10°-20°	89.0	21.8
20°-30°	108.2	26.4
30°-40°	91.7	22.4
40°-50°	47.6	11.6
50°-60°	17.2	4.2
60°-70°	11.9	2.9
70°-80°	6.5	1.6
80°-90°	2.0	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°	232.1	56.7
0°-40°	323.8	79.2
0°-60°	388.6	95.0
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	379	
5°	372	35
15°	319	89
25°	237	108
35°	148	92
45°	62	48
55°	19	17
65°	12	12
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1266772

CATALOG NUMBER: P3A05R509735DE010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	379.0
2.5°	377.6
5°	372.0
7.5°	363.6
10°	351.5
12.5°	336.1
15°	319.3
17.5°	300.2
20°	279.1
22.5°	257.7
25°	236.7
27.5°	214.7
30°	192.3
32.5°	169.9
35°	147.5
37.5°	125.6
40°	103.6
42.5°	82.6
45°	61.6
47.5°	41.1
50°	26.6
52.5°	20.5
55°	18.7
57.5°	16.8
60°	15.4
62.5°	13.5
65°	12.1
67.5°	10.3
70°	8.9
72.5°	7.5
75°	6.1
77.5°	4.7
80°	3.7
82.5°	2.8
85°	1.9
87.5°	0.9
90°	0.0

(END OF REPORT)