

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: P1273110

Luminaire Tested: P3A02R509830DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R509830DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

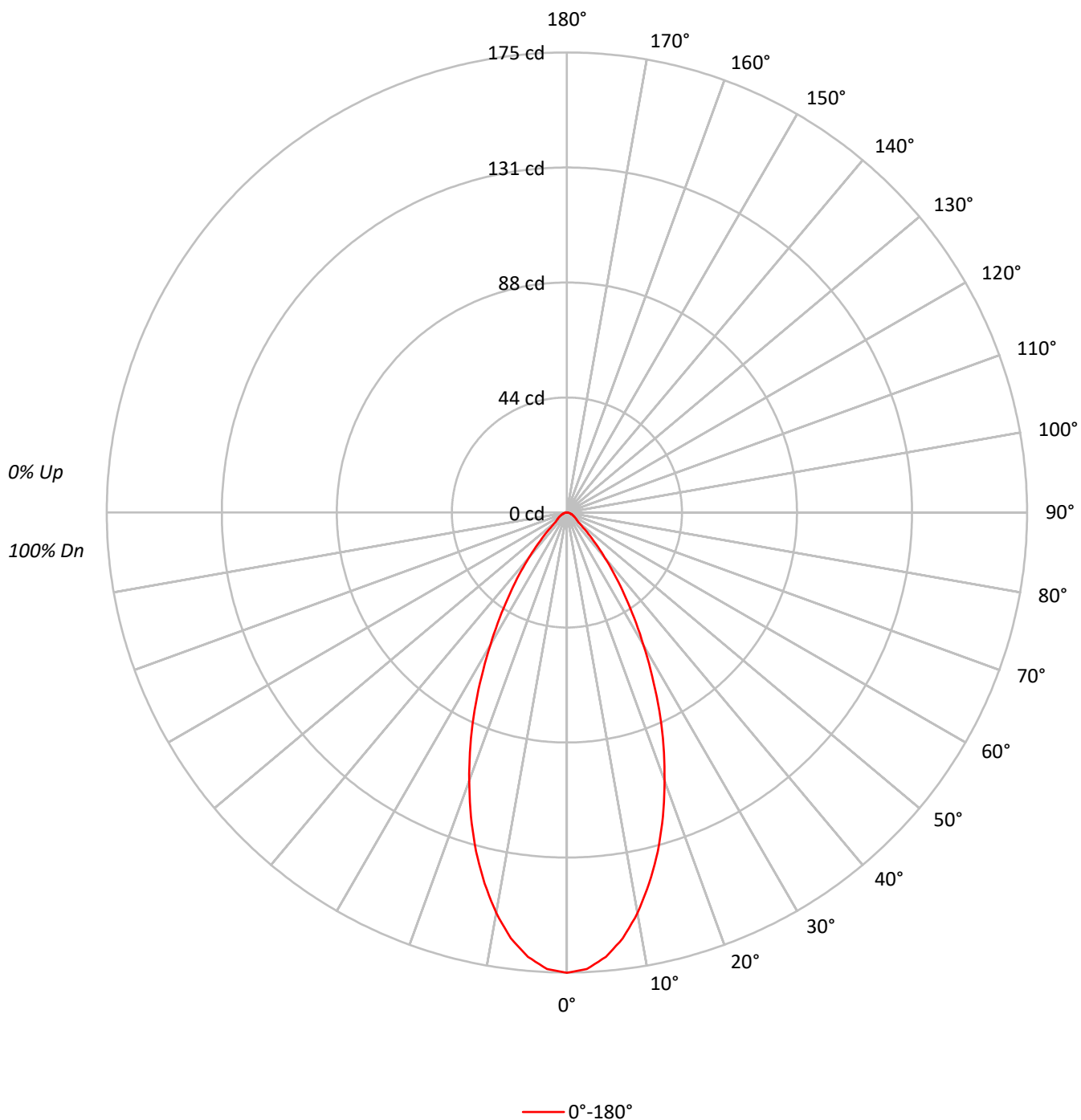
Lumens per Lamp: N/A
Luminaire Lumens: 132.0 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1273110

CATALOG NUMBER: P3A02R509830DE010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1273110

CATALOG NUMBER: P3A02R509830DE010 E3DLP1H

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	110	107	105	111	108	106	103	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		73
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38396
5°	37354
10°	34446
15°	30307
20°	25342
25°	20106
30°	14736
35°	10146
40°	6441
45°	3597
50°	1944
55°	1644
60°	1403
65°	1297
70°	1154
75°	1101
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3597 cd/sqm

TEST NUMBER: P1273110

CATALOG NUMBER: P3A02R509830DE010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	11.9
10°-20°	37.0	28.0
20°-30°	37.8	28.6
30°-40°	24.0	18.2
40°-50°	9.5	7.2
50°-60°	3.9	2.9
60°-70°	2.5	1.9
70°-80°	1.3	1.0
80°-90°	0.4	0.3
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°	90.5	68.5
0°-40°	114.5	86.7
0°-60°	127.9	96.9
0°-90°	132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	132.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	175	
5°	170	16
15°	134	37
25°	83	38
35°	38	24
45°	12	10
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1273110

CATALOG NUMBER: P3A02R509830DE010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	175.1
2.5°	173.8
5°	169.7
7.5°	163.3
10°	154.7
12.5°	144.5
15°	133.5
17.5°	121.3
20°	108.6
22.5°	95.9
25°	83.1
27.5°	70.2
30°	58.2
32.5°	47.5
35°	37.9
37.5°	29.7
40°	22.5
42.5°	16.6
45°	11.6
47.5°	7.9
50°	5.7
52.5°	4.8
55°	4.3
57.5°	3.8
60°	3.2
62.5°	2.9
65°	2.5
67.5°	2.1
70°	1.8
72.5°	1.4
75°	1.3
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)