

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: P1273140

Luminaire Tested: P3A02R559830DE010 E3DLP1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R559830DE010 E3DLP1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

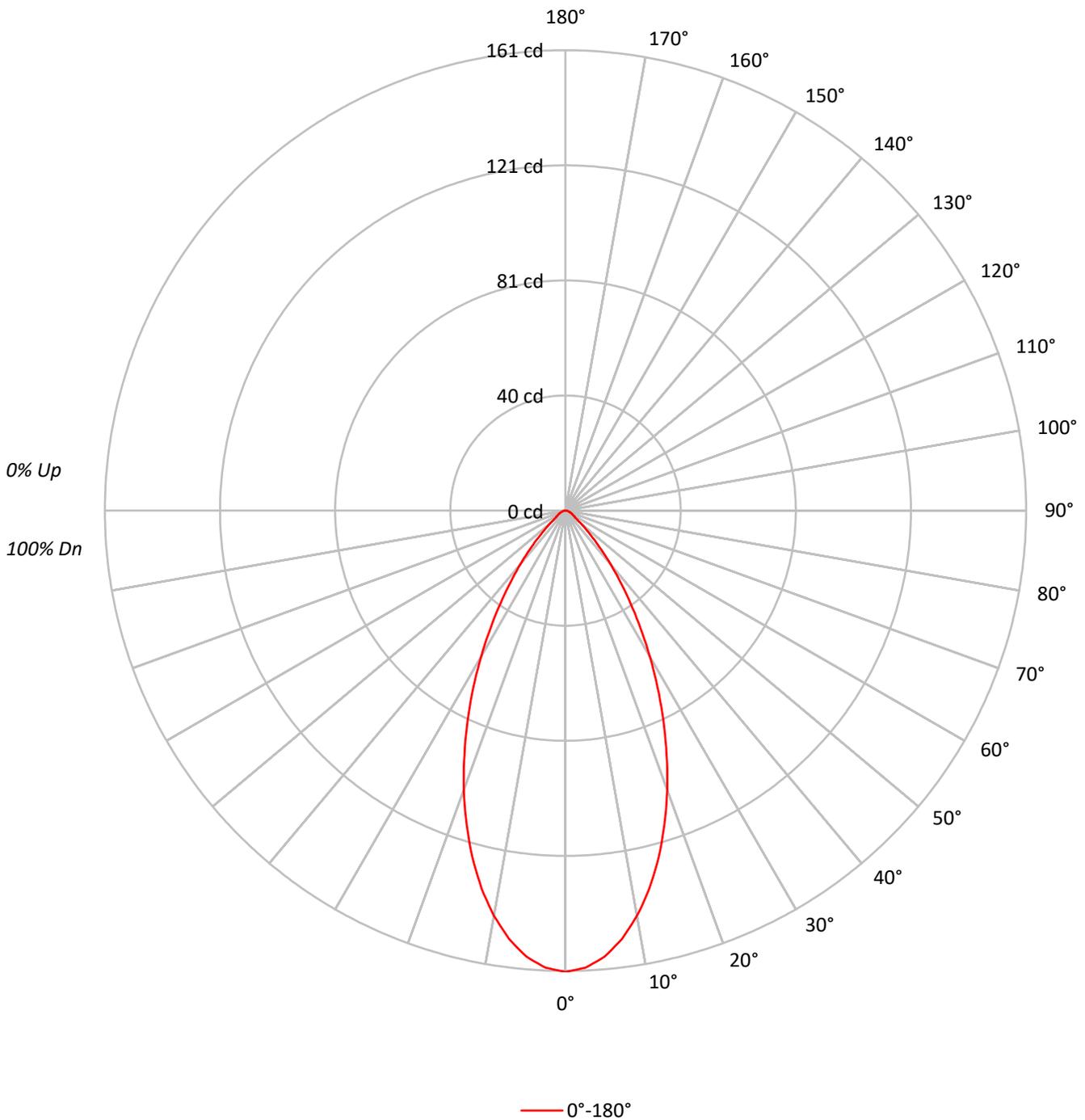
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 130.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
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: P1273140
CATALOG NUMBER: P3A02R559830DE010 E3DLP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1273140
 CATALOG NUMBER: P3A02R559830DE010 E3DLP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	79				79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	72	68	64	63				63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	64	58	54	73	63	58	54	62	57	53	62	57	53	61	56	53	52				52
10	70	60	55	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35370
5°	34471
10°	32041
15°	28536
20°	24245
25°	19574
30°	14914
35°	10601
40°	7013
45°	4155
50°	2422
55°	1491
60°	1316
65°	1193
70°	1026
75°	932
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4155 cd/sqm



TEST NUMBER: P1273140
 CATALOG NUMBER: P3A02R559830DE010 E3DLP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	11.2
10°-20°	34.9	26.8
20°-30°	36.9	28.4
30°-40°	24.9	19.2
40°-50°	10.9	8.4
50°-60°	3.9	3.0
60°-70°	2.3	1.8
70°-80°	1.2	0.9
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°	86.3	66.4
0°-40°	111.2	85.6
0°-60°	126.1	97.0
0°-90°	130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	130.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	161	
5°	157	15
15°	126	35
25°	81	37
35°	40	25
45°	13	11
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1273140
CATALOG NUMBER: P3A02R559830DE010 E3DLP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	161.3
2.5°	160.0
5°	156.6
7.5°	151.1
10°	143.9
12.5°	135.4
15°	125.7
17.5°	115.0
20°	103.9
22.5°	92.3
25°	80.9
27.5°	69.7
30°	58.9
32.5°	48.8
35°	39.6
37.5°	31.4
40°	24.5
42.5°	18.4
45°	13.4
47.5°	9.8
50°	7.1
52.5°	5.0
55°	3.9
57.5°	3.6
60°	3.0
62.5°	2.7
65°	2.3
67.5°	2.0
70°	1.6
72.5°	1.4
75°	1.1
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)