

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: P1270308

Luminaire Tested: P3A17R559740DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559740DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

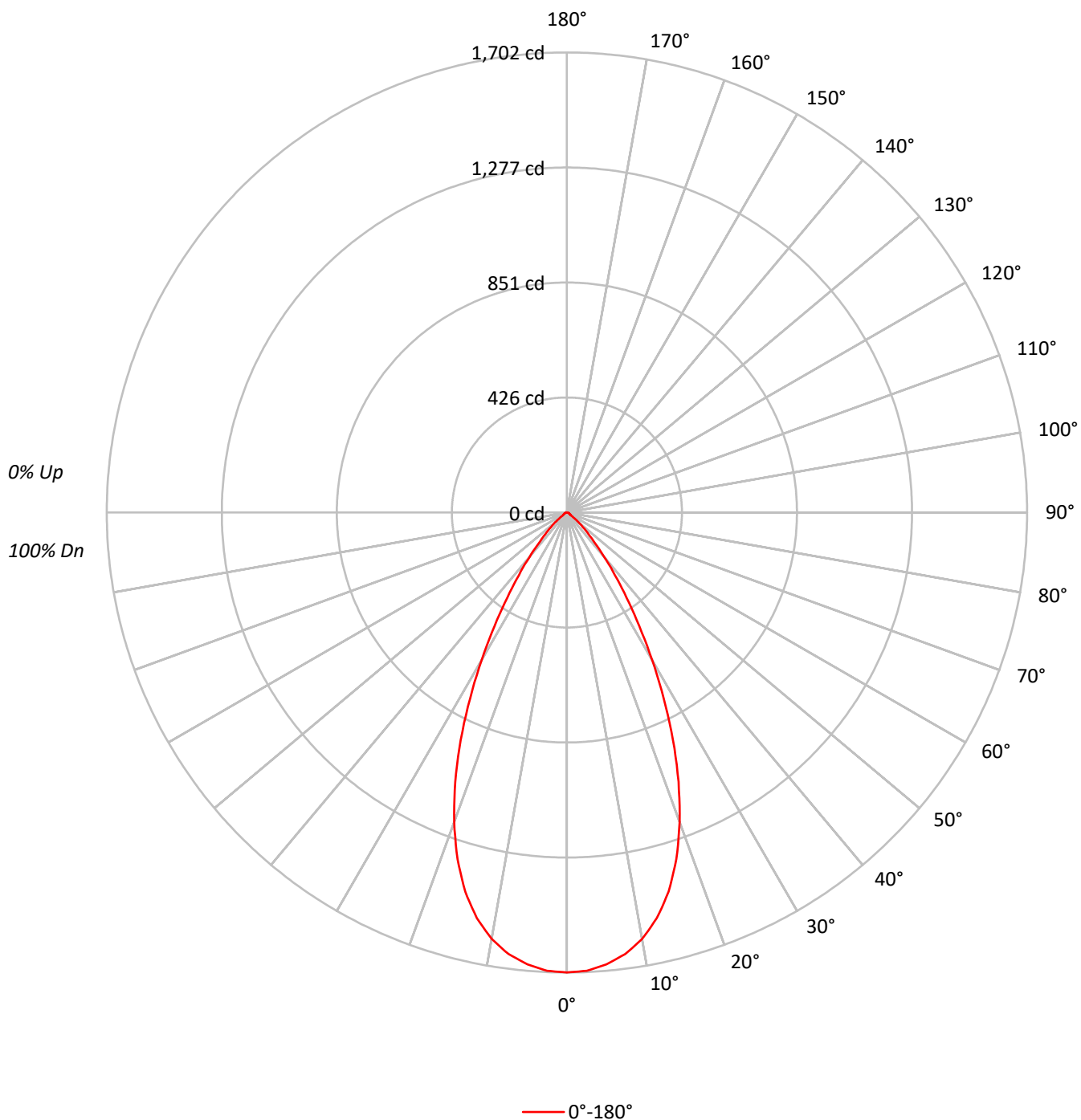
Lumens per Lamp: N/A
Luminaire Lumens: 1359.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1270308

CATALOG NUMBER: P3A17R559740DE010 E3DL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1270308

CATALOG NUMBER: P3A17R559740DE010 E3DL1LI

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	373172
5°	369381
10°	356729
15°	329741
20°	284528
25°	224723
30°	159417
35°	102794
40°	61744
45°	34794
50°	18729
55°	6690
60°	6008
65°	5811
70°	5578
75°	5253
80°	4672
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34794 cd/sqm

TEST NUMBER: P1270308

CATALOG NUMBER: P3A17R559740DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	11.6
10°-20°	401.6	29.6
20°-30°	420.9	31.0
30°-40°	245.6	18.1
40°-50°	91.9	6.8
50°-60°	21.7	1.6
60°-70°	11.1	0.8
70°-80°	6.6	0.5
80°-90°	1.8	0.1
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°	980.4	72.1
0°-40°	1225.9	90.2
0°-60°	1339.5	98.6
0°-90°	1359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1702	
5°	1678	158
15°	1452	402
25°	929	421
35°	384	246
45°	112	92
55°	18	22
65°	11	11
75°	6	7
85°	1	2
90°	0	

TEST NUMBER: P1270308

CATALOG NUMBER: P3A17R559740DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1701.8
2.5°	1696.8
5°	1678.1
7.5°	1648.2
10°	1602.1
12.5°	1537.2
15°	1452.5
17.5°	1345.2
20°	1219.3
22.5°	1078.4
25°	928.8
27.5°	775.5
30°	629.6
32.5°	497.4
35°	384.0
37.5°	291.7
40°	215.7
42.5°	154.6
45°	112.2
47.5°	81.0
50°	54.9
52.5°	31.2
55°	17.5
57.5°	15.0
60°	13.7
62.5°	12.5
65°	11.2
67.5°	10.0
70°	8.7
72.5°	7.5
75°	6.2
77.5°	5.0
80°	3.7
82.5°	2.5
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)