

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: P1270321

Luminaire Tested: P3A17R559740DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270321
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: P3A17R559740DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

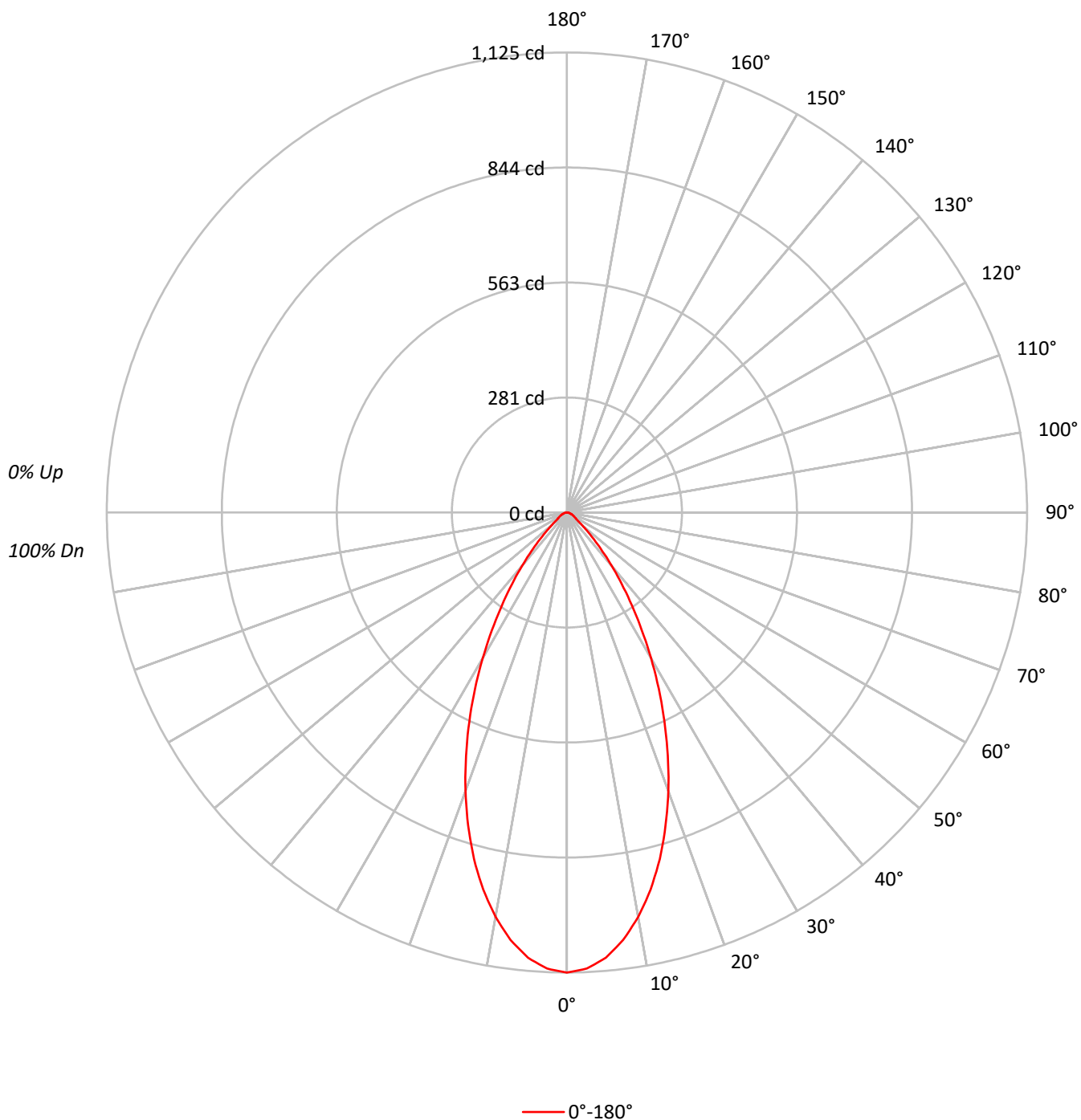
Lumens per Lamp: N/A
Luminaire Lumens: 907.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1270321

CATALOG NUMBER: P3A17R559740DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270321

CATALOG NUMBER: P3A17R559740DE010 E3DLP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246735
5°	240545
10°	223621
15°	199138
20°	169228
25°	136580
30°	104117
35°	74044
40°	48863
45°	28995
50°	16989
55°	10475
60°	9298
65°	8406
70°	7181
75°	6354
80°	6314
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28995 cd/sqm

TEST NUMBER: P1270321

CATALOG NUMBER: P3A17R559740DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	11.2
10°-20°	243.2	26.8
20°-30°	257.6	28.4
30°-40°	174.1	19.2
40°-50°	76.3	8.4
50°-60°	27.3	3.0
60°-70°	16.0	1.8
70°-80°	8.4	0.9
80°-90°	2.7	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°	602.3	66.4
0°-40°	776.3	85.6
0°-60°	879.9	97.0
0°-90°	907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1125	
5°	1093	101
15°	877	243
25°	564	258
35°	277	174
45°	94	76
55°	27	27
65°	16	16
75°	8	8
85°	2	3
90°	0	

TEST NUMBER: P1270321

CATALOG NUMBER: P3A17R559740DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1125.2
2.5°	1116.5
5°	1092.8
7.5°	1054.2
10°	1004.3
12.5°	944.5
15°	877.2
17.5°	802.5
20°	725.2
22.5°	644.2
25°	564.5
27.5°	486.0
30°	411.2
32.5°	340.2
35°	276.6
37.5°	219.3
40°	170.7
42.5°	128.3
45°	93.5
47.5°	68.5
50°	49.8
52.5°	34.9
55°	27.4
57.5°	24.9
60°	21.2
62.5°	18.7
65°	16.2
67.5°	13.7
70°	11.2
72.5°	10.0
75°	7.5
77.5°	6.2
80°	5.0
82.5°	3.7
85°	2.5
87.5°	1.2
90°	0.0

(END OF REPORT)