

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: P1270280

Luminaire Tested: P3A17R509740DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509740DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

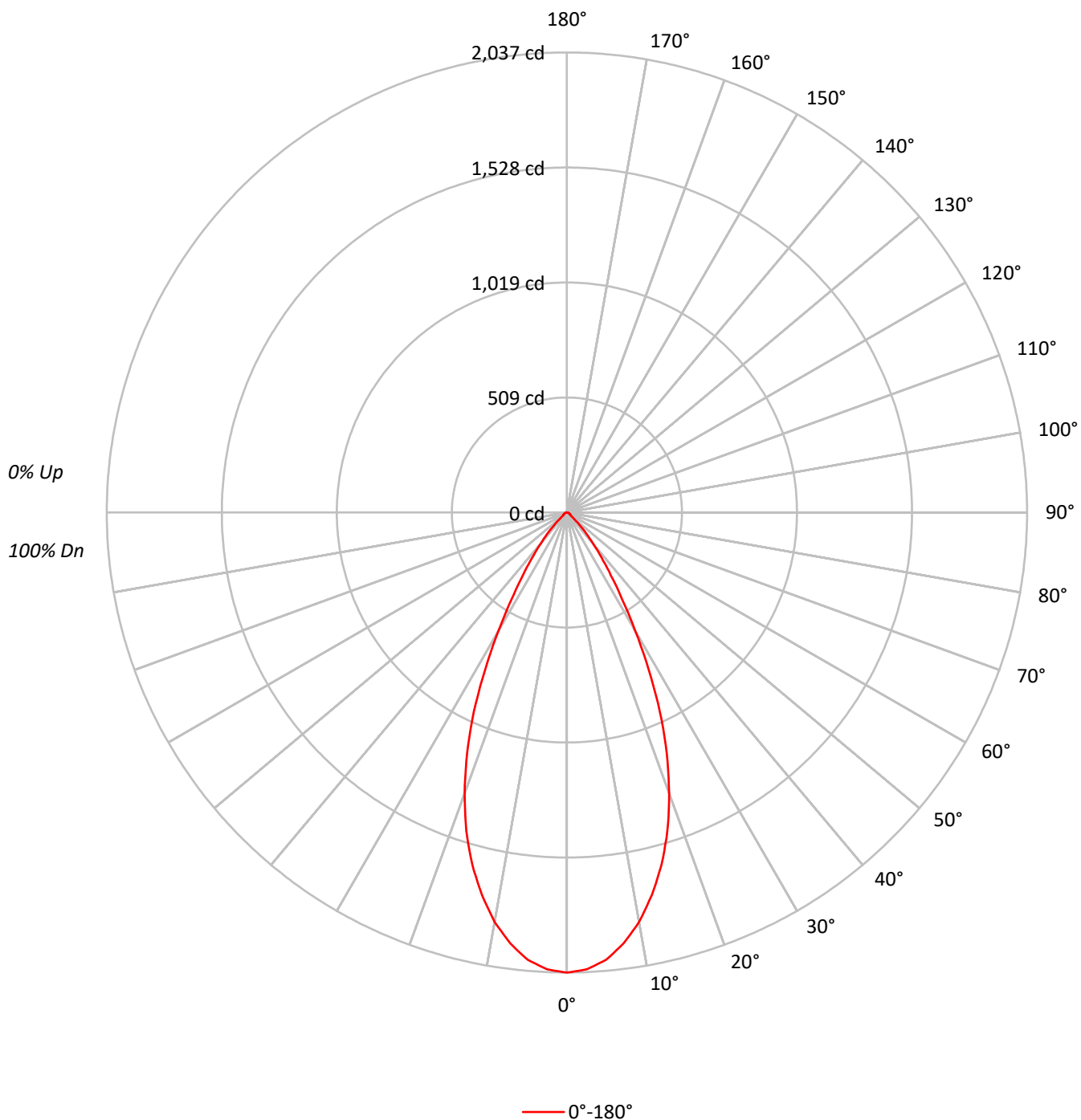
Lumens per Lamp: N/A
Luminaire Lumens: 1403.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270280

CATALOG NUMBER: P3A17R509740DE010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270280

CATALOG NUMBER: P3A17R509740DE010 E3DL1MW

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	446697
5°	437683
10°	409968
15°	367017
20°	308844
25°	235731
30°	153188
35°	90828
40°	52498
45°	26297
50°	9791
55°	7646
60°	7105
65°	6486
70°	6411
75°	6354
80°	6314
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26297 cd/sqm

TEST NUMBER: P1270280

CATALOG NUMBER: P3A17R509740DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.0	13.2
10°-20°	447.1	31.9
20°-30°	438.6	31.3
30°-40°	221.0	15.7
40°-50°	69.8	5.0
50°-60°	18.1	1.3
60°-70°	12.8	0.9
70°-80°	7.9	0.6
80°-90°	2.7	0.2
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°	1070.7	76.3
0°-40°	1291.7	92.1
0°-60°	1379.6	98.3
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2037	
5°	1988	185
15°	1617	447
25°	974	439
35°	339	221
45°	85	70
55°	20	18
65°	12	13
75°	8	8
85°	2	3
90°	0	

TEST NUMBER: P1270280

CATALOG NUMBER: P3A17R509740DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2037.1
2.5°	2024.6
5°	1988.4
7.5°	1923.6
10°	1841.2
12.5°	1735.2
15°	1616.7
17.5°	1479.5
20°	1323.5
22.5°	1155.1
25°	974.3
27.5°	782.1
30°	605.0
32.5°	455.3
35°	339.3
37.5°	250.7
40°	183.4
42.5°	129.7
45°	84.8
47.5°	48.7
50°	28.7
52.5°	21.2
55°	20.0
57.5°	17.5
60°	16.2
62.5°	15.0
65°	12.5
67.5°	11.2
70°	10.0
72.5°	8.7
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)