

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: P1268747

Luminaire Tested: P3A02R509740DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268747
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: P3A02R509740DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

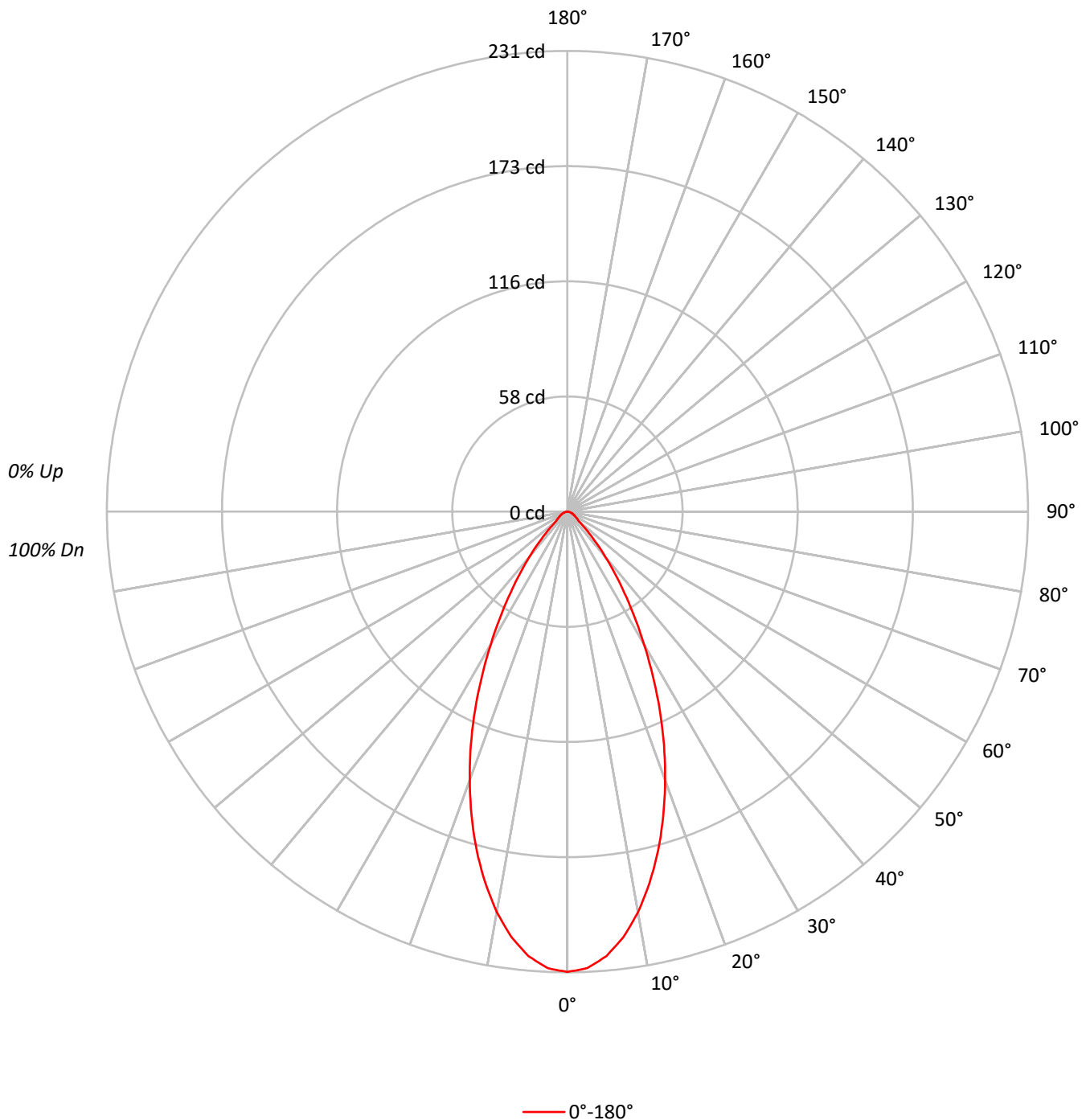
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268747

CATALOG NUMBER: P3A02R509740DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1268747

CATALOG NUMBER: P3A02R509740DE010 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	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50610
5°	49240
10°	45401
15°	39932
20°	33416
25°	26493
30°	19446
35°	13358
40°	8502
45°	4745
50°	2559
55°	2179
60°	1842
65°	1712
70°	1539
75°	1356
80°	1137
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4745 cd/sqm

TEST NUMBER: P1268747

CATALOG NUMBER: P3A02R509740DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	11.9
10°-20°	48.7	28.0
20°-30°	49.8	28.6
30°-40°	31.6	18.2
40°-50°	12.6	7.2
50°-60°	5.1	2.9
60°-70°	3.3	1.9
70°-80°	1.7	1.0
80°-90°	0.5	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°	119.3	68.6
0°-40°	150.9	86.7
0°-60°	168.6	96.9
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	224	21
15°	176	49
25°	110	50
35°	50	32
45°	15	13
55°	6	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1268747

CATALOG NUMBER: P3A02R509740DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	230.8
2.5°	229.1
5°	223.7
7.5°	215.2
10°	203.9
12.5°	190.5
15°	175.9
17.5°	159.9
20°	143.2
22.5°	126.5
25°	109.5
27.5°	92.6
30°	76.8
32.5°	62.6
35°	49.9
37.5°	39.1
40°	29.7
42.5°	21.9
45°	15.3
47.5°	10.4
50°	7.5
52.5°	6.4
55°	5.7
57.5°	4.9
60°	4.2
62.5°	3.8
65°	3.3
67.5°	2.8
70°	2.4
72.5°	1.9
75°	1.6
77.5°	1.2
80°	0.9
82.5°	0.7
85°	0.5
87.5°	0.2
90°	0.0

(END OF REPORT)