

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: P1245818

Luminaire Tested: P3A02R509024DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245818
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: P3A02R509024DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

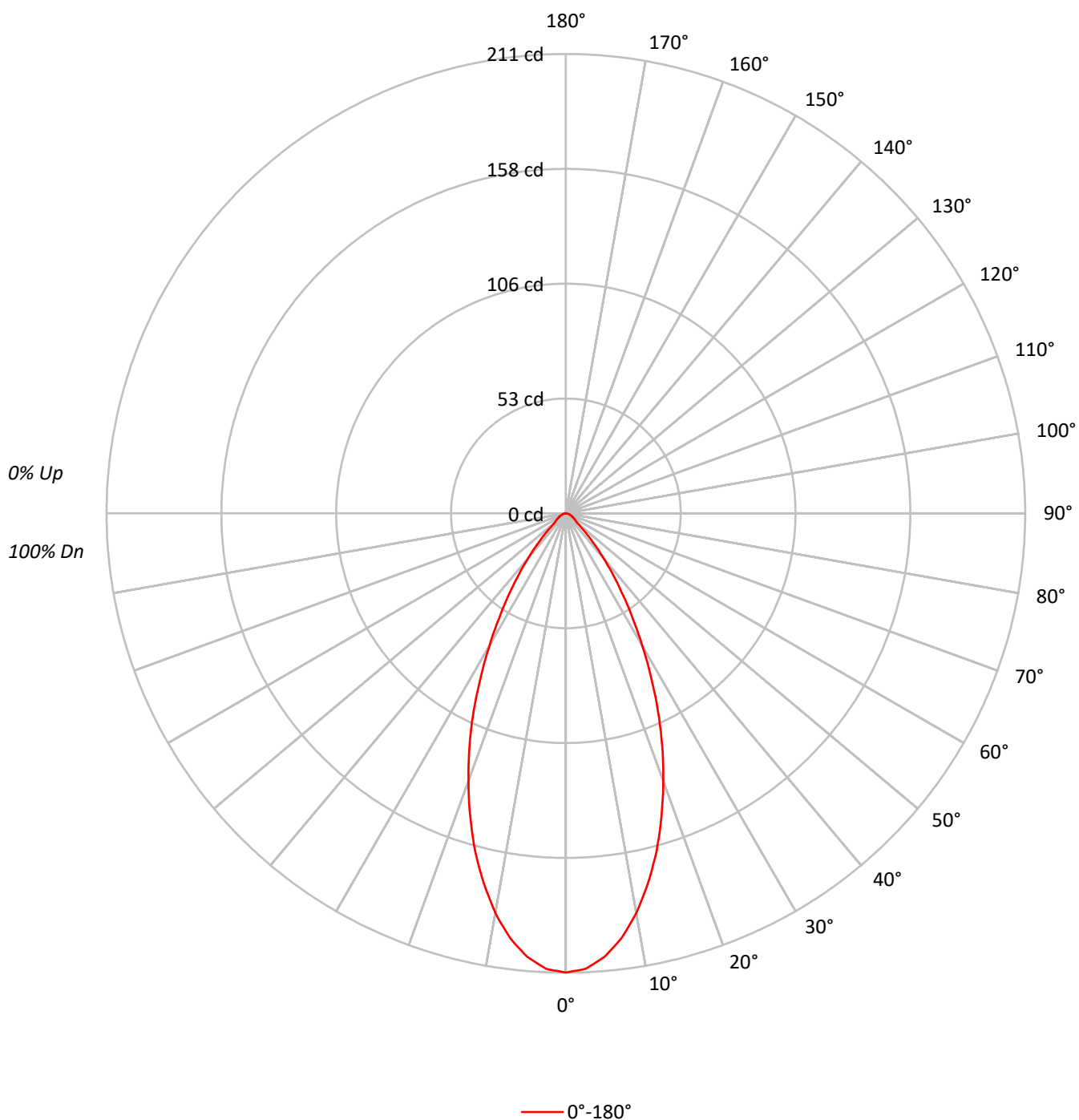
Lumens per Lamp: N/A
Luminaire Lumens: 159.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1245818

CATALOG NUMBER: P3A02R509024DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1245818

CATALOG NUMBER: P3A02R509024DE010 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°	46246
5°	44992
10°	41504
15°	36504
20°	30523
25°	24219
30°	17775
35°	12207
40°	7757
45°	4342
50°	2354
55°	1988
60°	1710
65°	1557
70°	1410
75°	1271
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4342 cd/sqm

TEST NUMBER: P1245818

CATALOG NUMBER: P3A02R509024DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	11.9
10°-20°	44.5	28.0
20°-30°	45.6	28.6
30°-40°	28.9	18.2
40°-50°	11.5	7.2
50°-60°	4.7	2.9
60°-70°	3.0	1.9
70°-80°	1.5	1.0
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°	109.0	68.6
0°-40°	137.9	86.7
0°-60°	154.0	96.9
0°-90°	159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	211	
5°	204	19
15°	161	45
25°	100	46
35°	46	29
45°	14	11
55°	5	5
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1245818

CATALOG NUMBER: P3A02R509024DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	210.9
2.5°	209.4
5°	204.4
7.5°	196.7
10°	186.4
12.5°	174.1
15°	160.8
17.5°	146.1
20°	130.8
22.5°	115.6
25°	100.1
27.5°	84.6
30°	70.2
32.5°	57.2
35°	45.6
37.5°	35.7
40°	27.1
42.5°	20.0
45°	14.0
47.5°	9.5
50°	6.9
52.5°	5.8
55°	5.2
57.5°	4.5
60°	3.9
62.5°	3.4
65°	3.0
67.5°	2.6
70°	2.2
72.5°	1.7
75°	1.5
77.5°	1.1
80°	0.9
82.5°	0.6
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)