

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: P1258540

Luminaire Tested: P3AS24R459040D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R459040D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

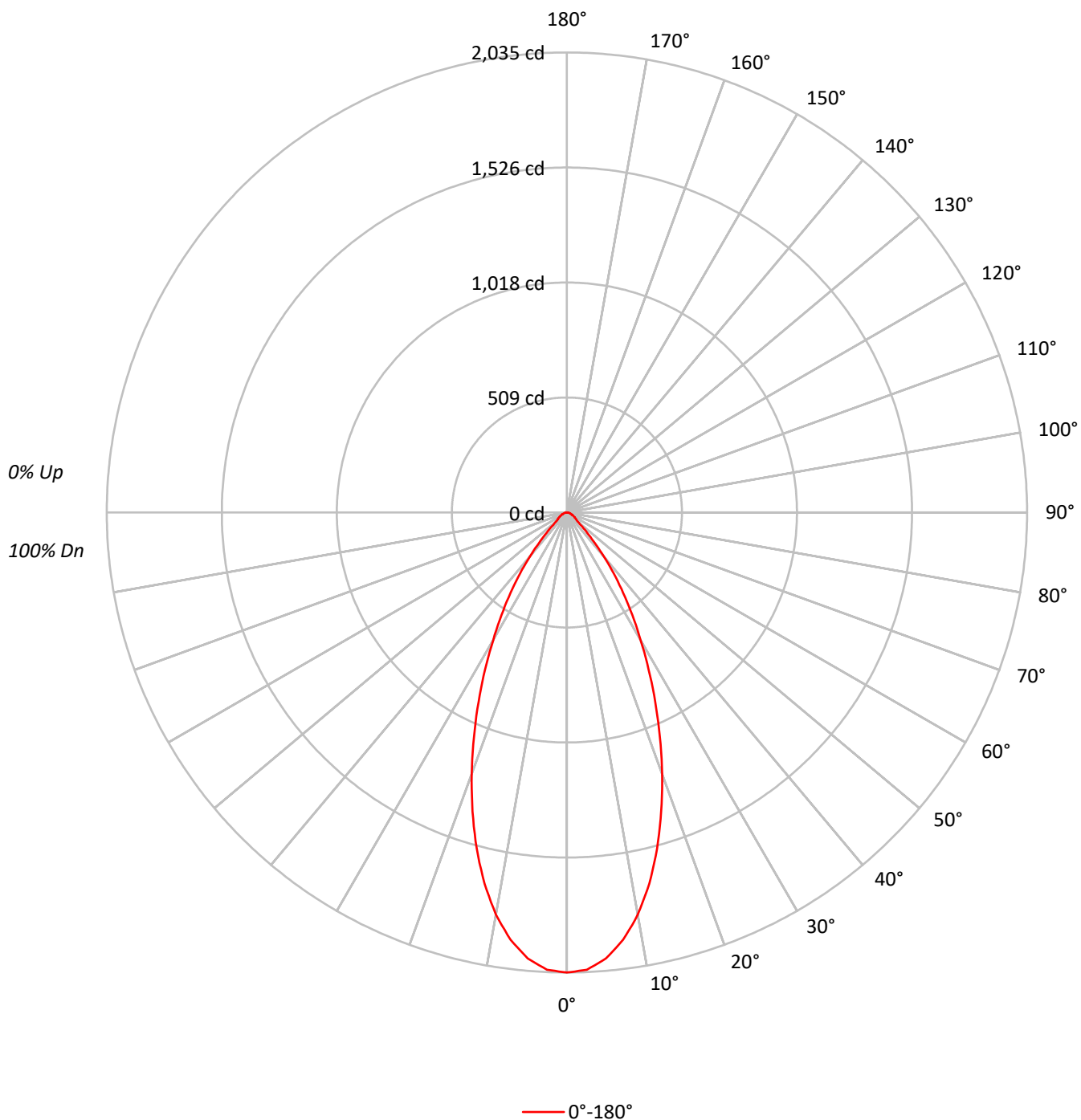
Lumens per Lamp: N/A
Luminaire Lumens: 1498.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1258540

CATALOG NUMBER: P3AS24R459040D010 E3DLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1258540

CATALOG NUMBER: P3AS24R459040D010 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	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	446192
5°	436010
10°	402219
15°	349741
20°	287328
25°	223561
30°	165089
35°	116178
40°	72507
45°	39291
50°	21253
55°	18274
60°	16402
65°	14009
70°	11989
75°	12285
80°	10481
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39291 cd/sqm

TEST NUMBER: P1258540

CATALOG NUMBER: P3AS24R459040D010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	12.2
10°-20°	425.9	28.4
20°-30°	422.8	28.2
30°-40°	272.3	18.2
40°-50°	104.9	7.0
50°-60°	42.7	2.8
60°-70°	26.9	1.8
70°-80°	14.5	1.0
80°-90°	4.5	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°	1032.2	68.9
0°-40°	1304.5	87.1
0°-60°	1452.1	96.9
0°-90°	1498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2035	
5°	1981	183
15°	1541	426
25°	924	423
35°	434	272
45°	127	105
55°	48	43
65°	27	27
75°	14	15
85°	4	5
90°	0	

TEST NUMBER: P1258540

CATALOG NUMBER: P3AS24R459040D010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2034.8
2.5°	2024.4
5°	1980.8
7.5°	1906.1
10°	1806.4
12.5°	1681.8
15°	1540.6
17.5°	1387.0
20°	1231.3
22.5°	1073.5
25°	924.0
27.5°	782.8
30°	652.0
32.5°	537.8
35°	434.0
37.5°	340.5
40°	253.3
42.5°	182.7
45°	126.7
47.5°	85.1
50°	62.3
52.5°	51.9
55°	47.8
57.5°	41.5
60°	37.4
62.5°	31.1
65°	27.0
67.5°	22.8
70°	18.7
72.5°	16.6
75°	14.5
77.5°	10.4
80°	8.3
82.5°	6.2
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)