

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: P1250541

Luminaire Tested: P3AS24R709027D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R709027D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

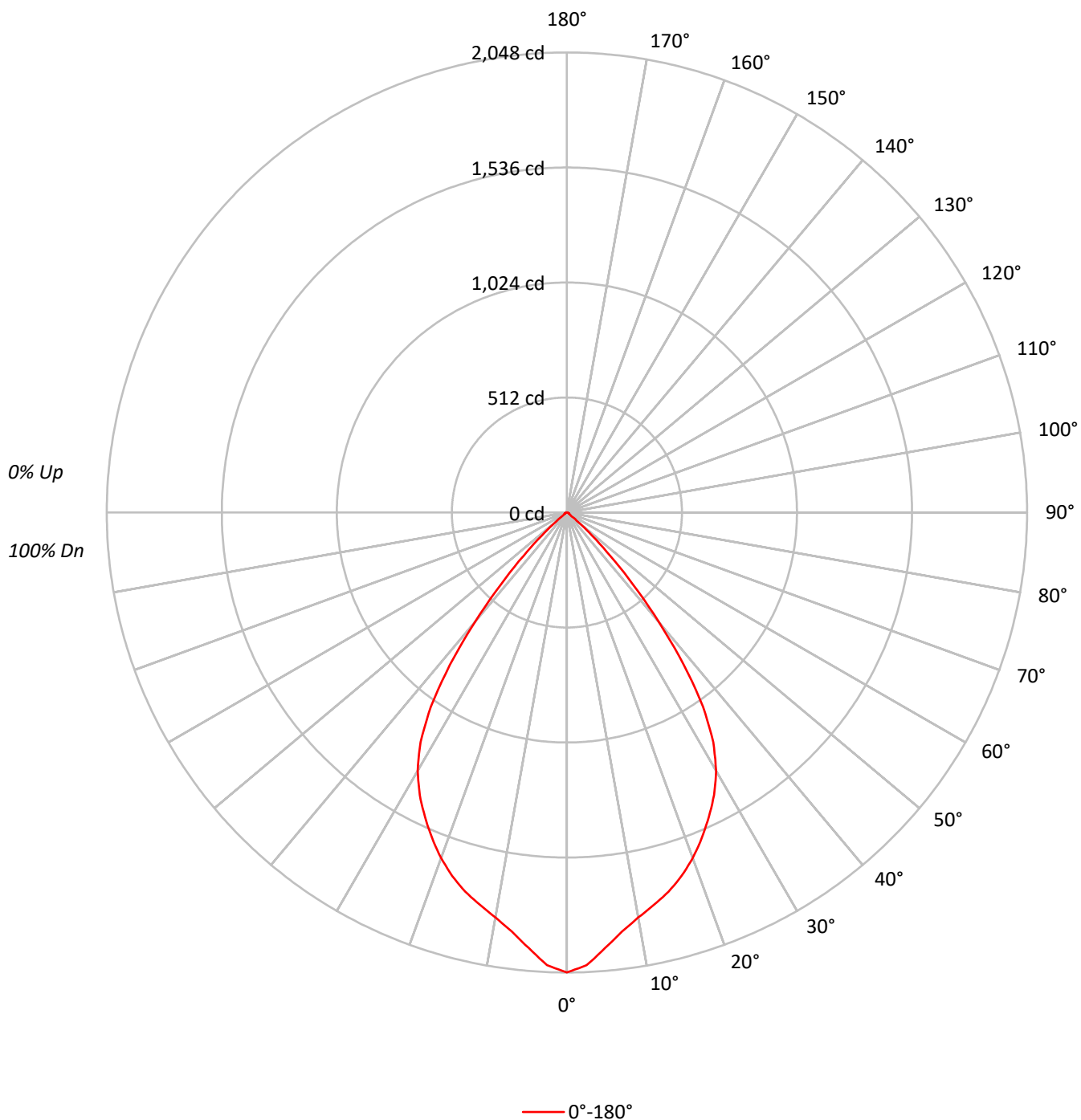
Lumens per Lamp: N/A
Luminaire Lumens: 2260.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1250541

CATALOG NUMBER: P3AS24R709027D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1250541

CATALOG NUMBER: P3AS24R709027D010 E3CD1MB

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	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448977
5°	428416
10°	407608
15°	396711
20°	382070
25°	361593
30°	336305
35°	282522
40°	182084
45°	84629
50°	22208
55°	5543
60°	5526
65°	4670
70°	4616
75°	4575
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84629 cd/sqm

TEST NUMBER: P1250541

CATALOG NUMBER: P3AS24R709027D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	8.1
10°-20°	491.0	21.7
20°-30°	686.0	30.3
30°-40°	636.1	28.1
40°-50°	228.1	10.1
50°-60°	19.3	0.9
60°-70°	9.6	0.4
70°-80°	6.2	0.3
80°-90°	2.5	0.1
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°	1359.3	60.1
0°-40°	1995.4	88.3
0°-60°	2242.7	99.2
0°-90°	2260.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2260.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2048	
5°	1946	182
15°	1748	491
25°	1494	686
35°	1055	636
45°	273	228
55°	14	19
65°	9	10
75°	5	6
85°	2	2
90°	0	

TEST NUMBER: P1250541

CATALOG NUMBER: P3AS24R709027D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2047.5
2.5°	2016.8
5°	1946.3
7.5°	1881.2
10°	1830.6
12.5°	1789.1
15°	1747.5
17.5°	1696.9
20°	1637.3
22.5°	1568.6
25°	1494.5
27.5°	1418.6
30°	1328.2
32.5°	1212.6
35°	1055.4
37.5°	854.8
40°	636.1
42.5°	433.7
45°	272.9
47.5°	151.8
50°	65.1
52.5°	21.7
55°	14.5
57.5°	12.6
60°	12.6
62.5°	10.8
65°	9.0
67.5°	9.0
70°	7.2
72.5°	7.2
75°	5.4
77.5°	5.4
80°	3.6
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)