

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: P1245917

Luminaire Tested: P3A02R709024DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R709024DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

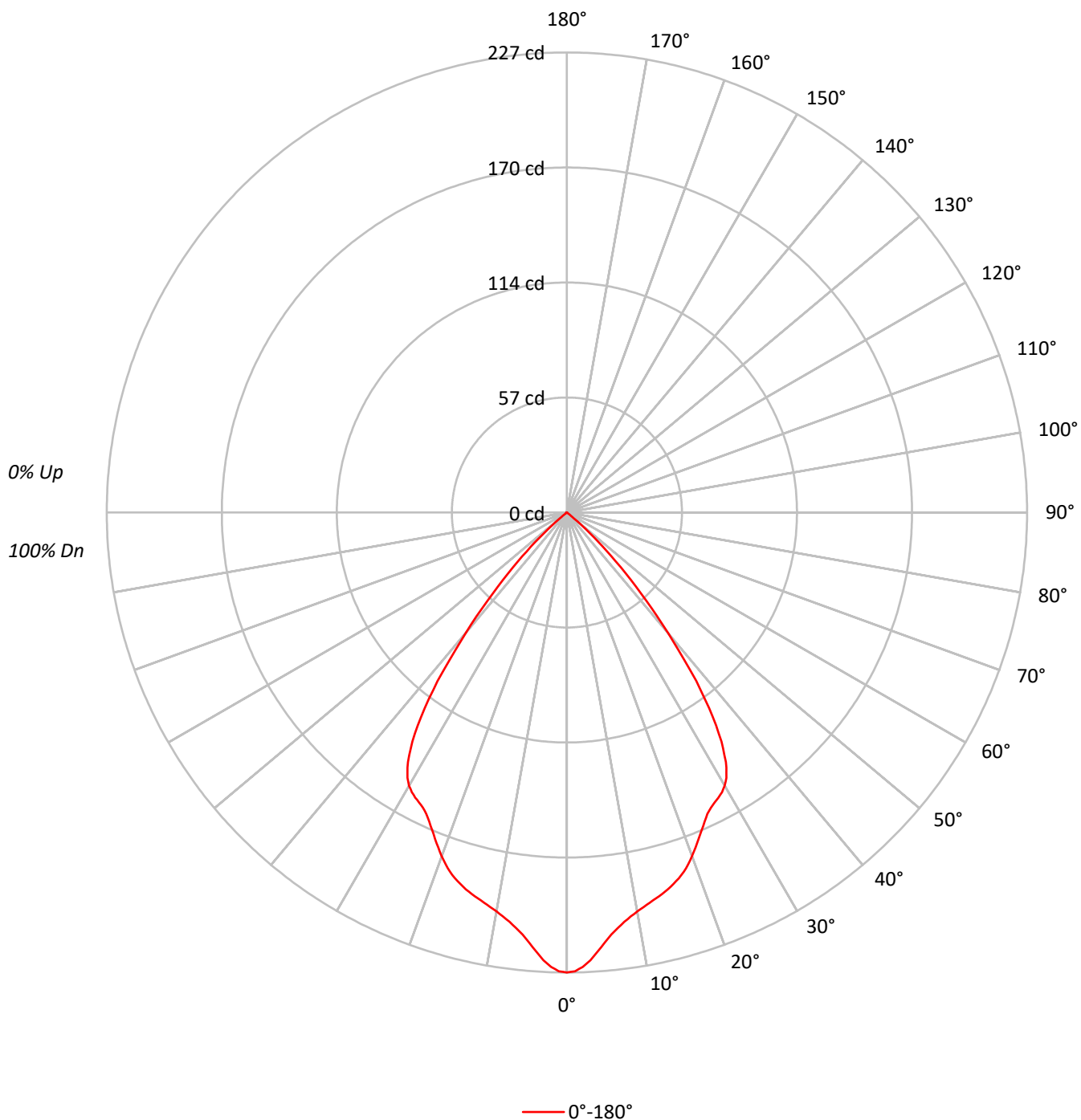
Lumens per Lamp: N/A
Luminaire Lumens: 256.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1245917

CATALOG NUMBER: P3A02R709024DE010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1245917

CATALOG NUMBER: P3A02R709024DE010 E3D1WH

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	108	105	111	108	106	104	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	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		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	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49777
5°	46929
10°	44510
15°	43701
20°	42120
25°	39704
30°	39424
35°	34345
40°	22213
45°	10513
50°	1467
55°	115
60°	88
65°	104
70°	64
75°	85
80°	126
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10513 cd/sqm

TEST NUMBER: P1245917

CATALOG NUMBER: P3A02R709024DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	7.8
10°-20°	54.1	21.1
20°-30°	76.5	29.9
30°-40°	76.9	30.0
40°-50°	27.6	10.8
50°-60°	0.7	0.3
60°-70°	0.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	150.5	58.8
0°-40°	227.3	88.8
0°-60°	255.7	99.9
0°-90°	256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	227	
5°	213	20
15°	192	54
25°	164	76
35°	128	77
45°	34	28
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1245917

CATALOG NUMBER: P3A02R709024DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	227.0
1°	226.4
2°	224.4
3°	221.2
4°	217.2
5°	213.2
6°	209.4
7°	206.5
8°	203.9
9°	201.8
10°	199.9
11°	198.3
12°	196.8
13°	195.4
14°	194.0
15°	192.5
16°	190.7
17°	188.8
18°	186.5
19°	183.7
20°	180.5
21°	177.1
22°	173.6
23°	170.2
24°	167.0
25°	164.1
26°	162.1
27°	160.6
28°	159.3
29°	157.8
30°	155.7
31°	152.7
32°	148.4
32.5°	145.9
33°	142.7
34°	136.3
35°	128.3
36°	119.4
37°	109.5
37.5°	104.8
38°	98.5
39°	87.3
40°	77.6
42.5°	53.7
45°	33.9

TEST NUMBER: P1245917

CATALOG NUMBER: P3A02R709024DE010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	18.2
50°	4.3
52.5°	0.5
55°	0.3
57.5°	0.3
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.1
70°	0.1
72.5°	0.1
75°	0.1
77.5°	0.1
80°	0.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)