

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: P1247496

Luminaire Tested: P3A17R709024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247496
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: P3A17R709024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

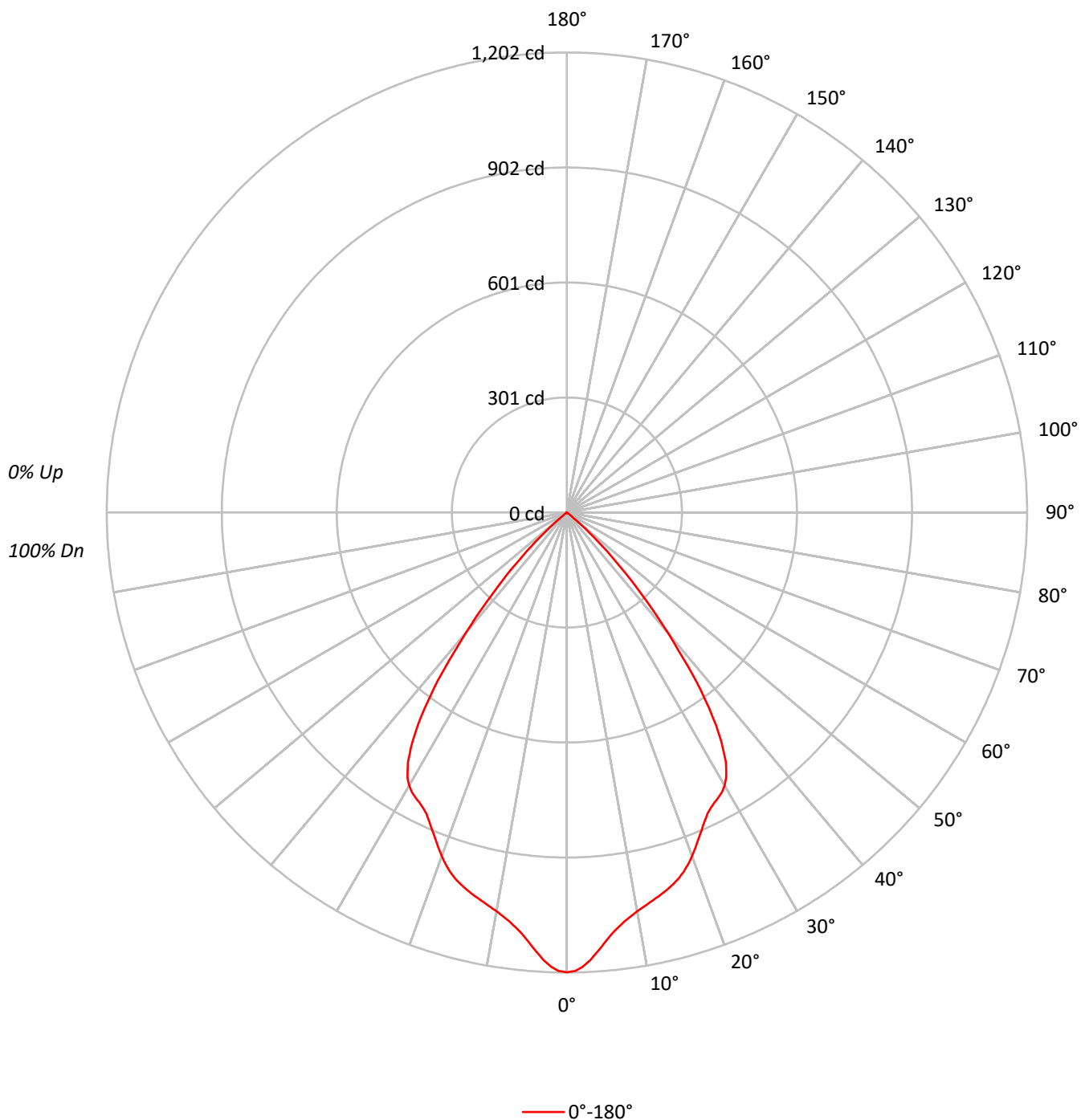
Lumens per Lamp: N/A
Luminaire Lumens: 1355.1 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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Luminous Intensity Polar Plot



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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°	263466
5°	248426
10°	235556
15°	231329
20°	222969
25°	210181
30°	208690
35°	181763
40°	117563
45°	55572
50°	7778
55°	650
60°	482
65°	571
70°	385
75°	508
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	7.8
10°-20°	286.2	21.1
20°-30°	404.8	29.9
30°-40°	406.8	30.0
40°-50°	146.3	10.8
50°-60°	3.9	0.3
60°-70°	0.9	0.1
70°-80°	0.6	0.0
80°-90°	0.1	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°	796.4	58.8
0°-40°	1203.2	88.8
0°-60°	1353.5	99.9
0°-90°	1355.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1202	
5°	1129	105
15°	1019	286
25°	869	405
35°	679	407
45°	179	146
55°	2	4
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1201.5
1°	1198.2
2°	1187.6
3°	1170.9
4°	1149.8
5°	1128.6
6°	1108.6
7°	1093.0
8°	1079.1
9°	1068.0
10°	1057.9
11°	1049.6
12°	1041.8
13°	1034.0
14°	1026.8
15°	1019.0
16°	1009.5
17°	999.5
18°	987.3
19°	972.2
20°	955.5
21°	937.2
22°	918.8
23°	901.0
24°	883.8
25°	868.7
26°	858.2
27°	849.8
28°	843.1
29°	835.3
30°	824.2
31°	808.1
32°	785.2
32.5°	772.4
33°	755.2
34°	721.2
35°	679.0
36°	632.2
37°	579.3
37.5°	554.8
38°	521.5
39°	461.9
40°	410.7
42.5°	284.4
45°	179.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	96.3
50°	22.8
52.5°	2.8
55°	1.7
57.5°	1.7
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)