

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: P1246242

Luminaire Tested: P3A05R559024DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R559024DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

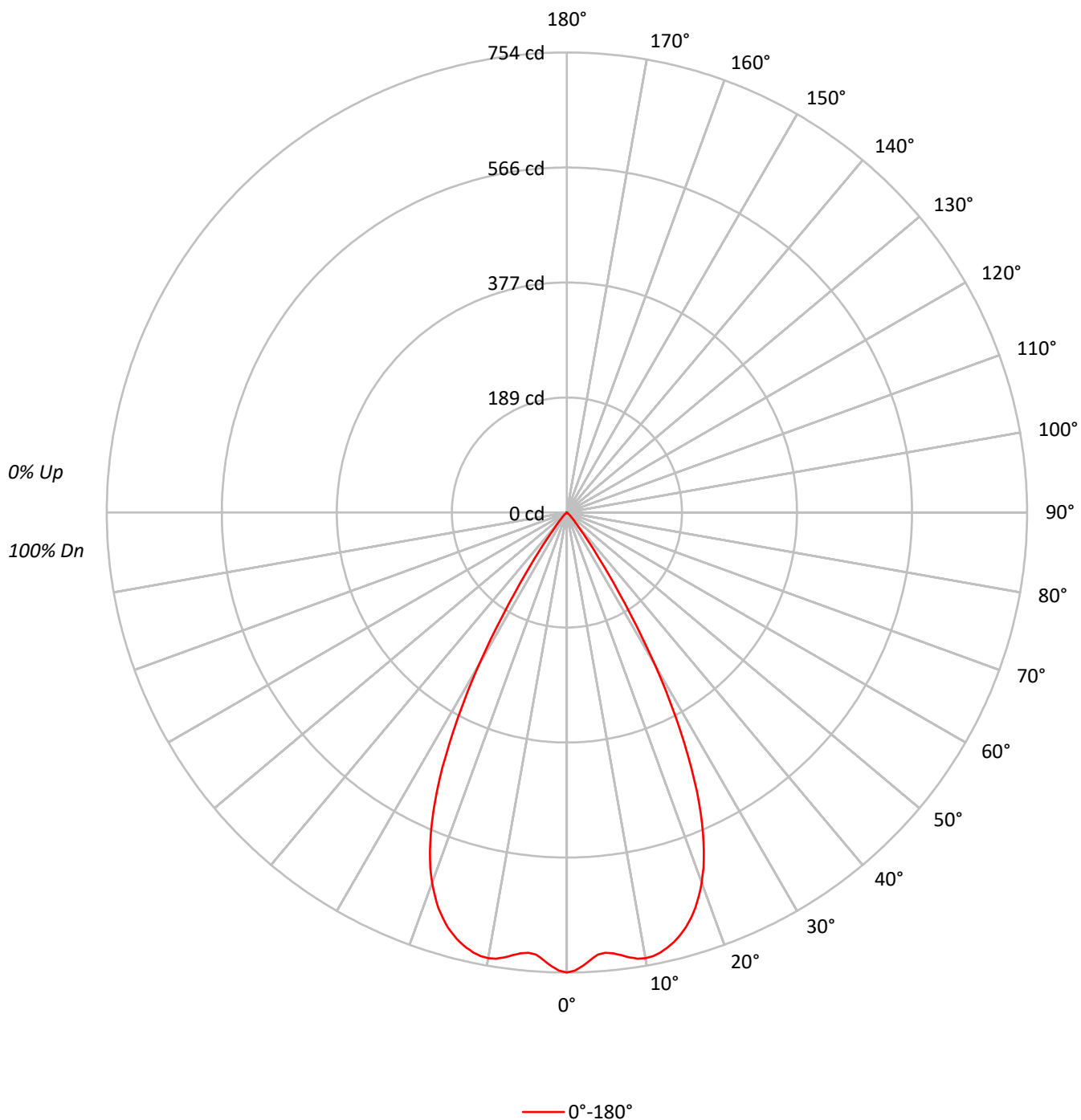
Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165294
5°	159432
10°	165149
15°	162816
20°	150676
25°	121870
30°	73024
35°	24762
40°	6813
45°	3008
50°	887
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	12.3
10°-20°	199.7	35.0
20°-30°	222.0	38.9
30°-40°	69.1	12.1
40°-50°	8.3	1.5
50°-60°	0.6	0.1
60°-70°	0.2	0.0
70°-80°	0.0	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°	491.7	86.3
0°-40°	560.8	98.4
0°-60°	569.7	100.0
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	754	
5°	724	70
15°	717	200
25°	504	222
35°	92	69
45°	10	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	753.8
1°	751.0
2°	743.6
3°	734.5
4°	726.3
5°	724.3
6°	726.5
7°	731.1
8°	736.3
9°	740.4
10°	741.7
11°	740.8
12°	737.3
13°	731.9
14°	725.6
15°	717.2
16°	707.5
17°	695.1
18°	681.3
19°	664.6
20°	645.7
21°	624.3
22°	599.0
23°	571.0
24°	539.0
25°	503.7
26°	464.9
27°	423.8
28°	379.8
29°	334.6
30°	288.4
31°	242.1
32°	196.8
32.5°	176.7
33°	155.9
34°	120.6
35°	92.5
36°	70.4
37°	52.2
37.5°	44.6
38°	38.8
39°	29.5
40°	23.8
42.5°	15.2
45°	9.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.8
50°	2.6
52.5°	0.9
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)