

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: P1273557

Luminaire Tested: P3A05R709830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273557
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: P3A05R709830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

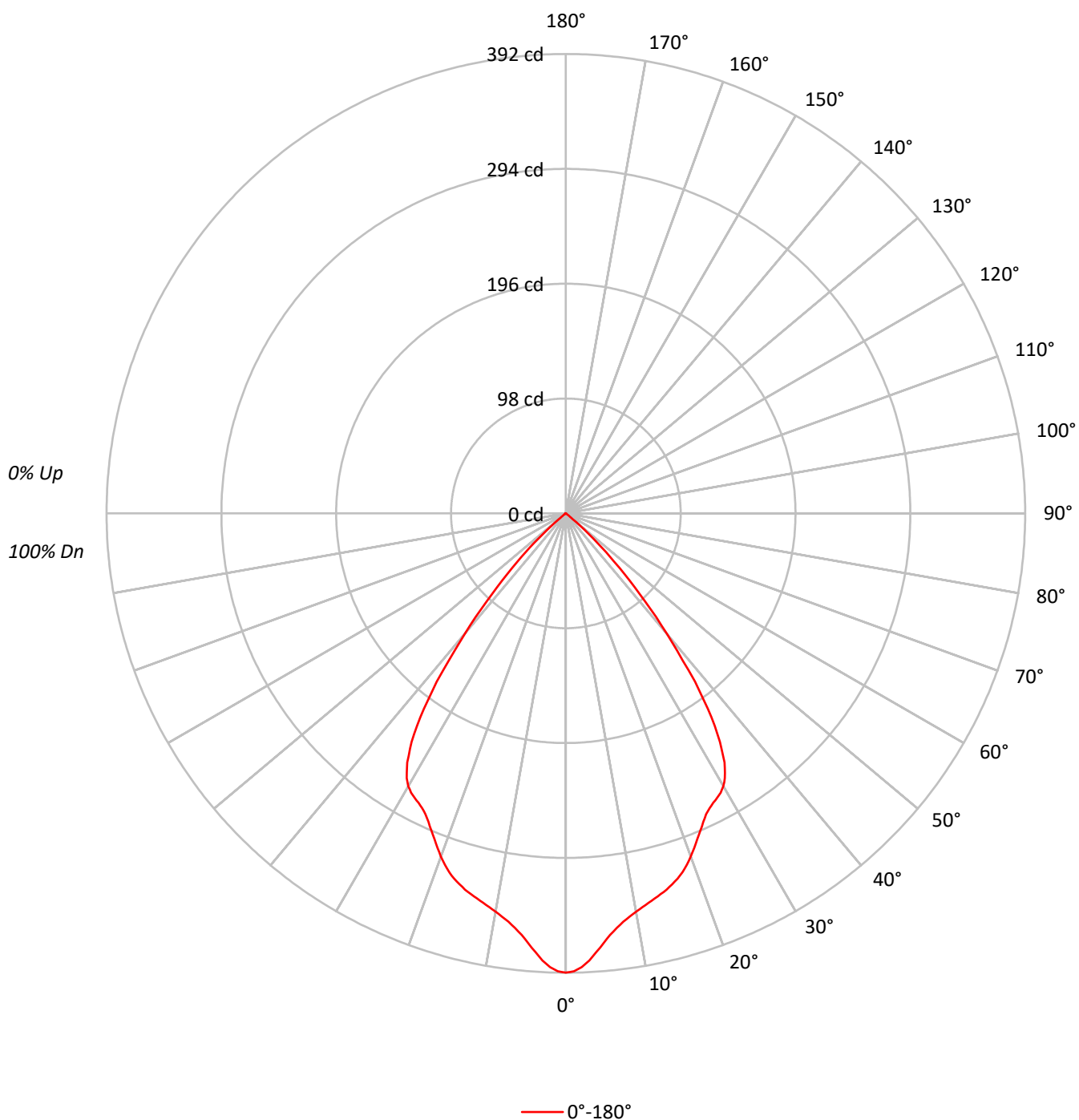
Lumens per Lamp: N/A
Luminaire Lumens: 442.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	76	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°	85936
5°	81048
10°	76841
15°	75460
20°	72736
25°	68568
30°	68086
35°	59294
40°	38358
45°	18141
50°	2524
55°	191
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	7.8
10°-20°	93.3	21.1
20°-30°	132.1	29.9
30°-40°	132.7	30.0
40°-50°	47.7	10.8
50°-60°	1.3	0.3
60°-70°	0.3	0.1
70°-80°	0.2	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°	259.8	58.8
0°-40°	392.5	88.8
0°-60°	441.5	99.9
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	392	
5°	368	34
15°	332	93
25°	283	132
35°	222	133
45°	58	48
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	391.9
1°	390.8
2°	387.4
3°	382.0
4°	375.1
5°	368.2
6°	361.6
7°	356.5
8°	352.0
9°	348.4
10°	345.1
11°	342.4
12°	339.8
13°	337.3
14°	334.9
15°	332.4
16°	329.3
17°	326.0
18°	322.0
19°	317.1
20°	311.7
21°	305.7
22°	299.7
23°	293.9
24°	288.3
25°	283.4
26°	279.9
27°	277.2
28°	275.0
29°	272.5
30°	268.9
31°	263.6
32°	256.1
32.5°	252.0
33°	246.3
34°	235.3
35°	221.5
36°	206.2
37°	189.0
37.5°	181.0
38°	170.1
39°	150.7
40°	134.0
42.5°	92.8
45°	58.5



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	31.4
50°	7.4
52.5°	0.9
55°	0.5
57.5°	0.5
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)