

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: P1273441

Luminaire Tested: P3A05R509830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R509830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

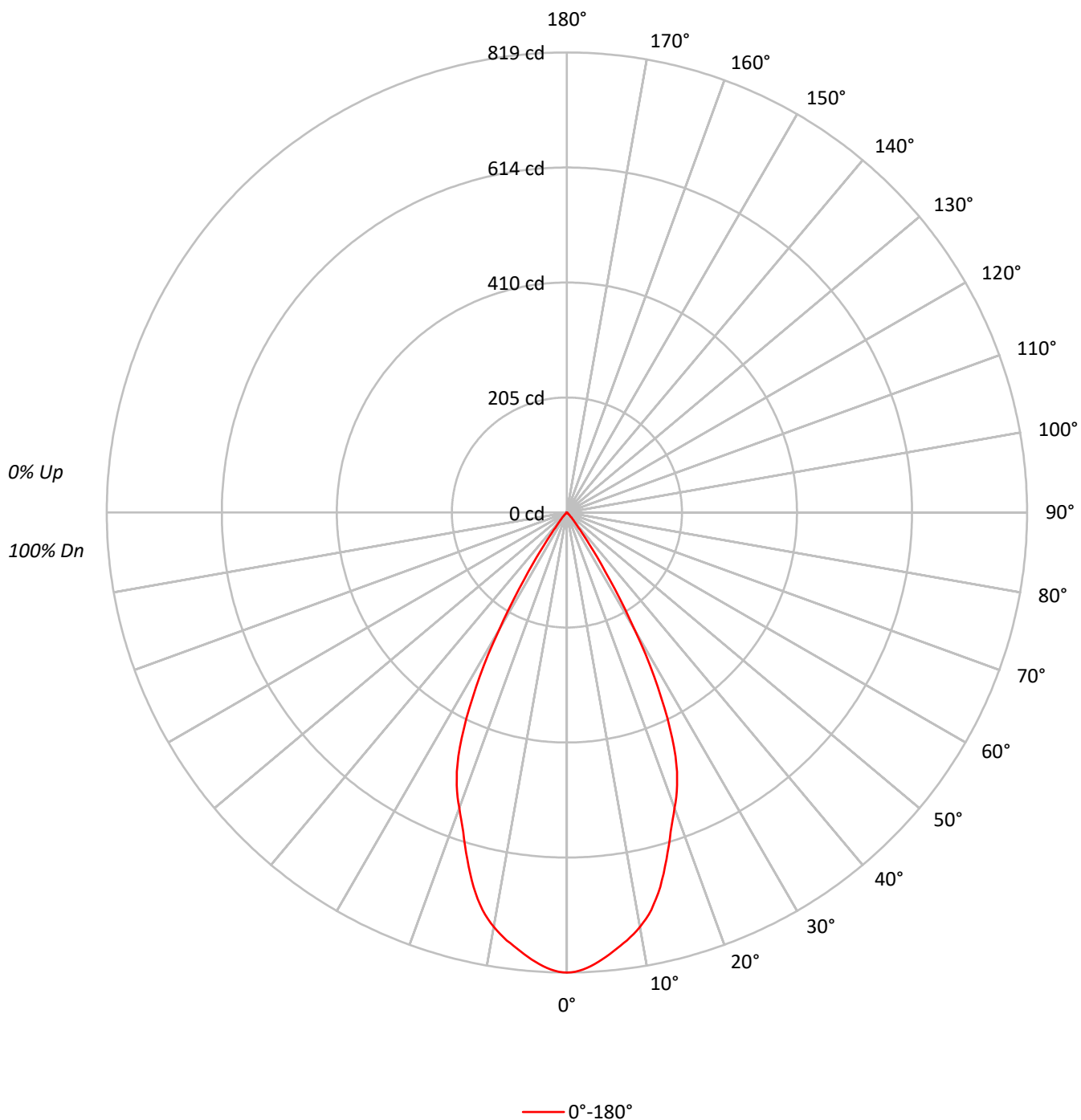
Lumens per Lamp: N/A
Luminaire Lumens: 514.1 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	74	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179613
5°	174840
10°	166842
15°	151056
20°	130678
25°	107184
30°	61579
35°	19140
40°	5153
45°	1799
50°	443
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1799 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	14.5
10°-20°	184.4	35.9
20°-30°	193.8	37.7
30°-40°	55.5	10.8
40°-50°	5.4	1.1
50°-60°	0.5	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°	452.5	88.0
0°-40°	508.0	98.8
0°-60°	513.9	100.0
0°-90°	514.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	819	
5°	794	74
15°	665	184
25°	443	194
35°	72	55
45°	6	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	819.1
1°	817.9
2°	814.2
3°	809.0
4°	801.9
5°	794.3
6°	786.1
7°	777.4
8°	769.3
9°	759.8
10°	749.3
11°	737.2
12°	723.2
13°	705.8
14°	686.9
15°	665.4
16°	642.5
17°	620.4
18°	597.7
19°	577.8
20°	560.0
21°	543.0
22°	523.5
23°	501.2
24°	475.1
25°	443.0
26°	408.2
27°	369.4
28°	330.8
29°	289.1
30°	243.2
31°	200.2
32°	160.7
32.5°	143.4
33°	126.0
34°	96.7
35°	71.5
36°	52.4
37°	39.0
37.5°	33.7
38°	29.2
39°	22.7
40°	18.0
42.5°	10.2
45°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.3
50°	1.3
52.5°	0.5
55°	0.4
57.5°	0.4
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.0
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)