

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: iO LED

Report Number: P958926

Luminaire Tested: MFO-06W-927-30-X-4F-UNV-STD

Issue Date: 2/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P958926  
SCALED TEST REPORT  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: iO LED  
Catalog Number: MFO-06W-927-30-X-4F-UNV-STD  
Description: iO LED MiniO-FLEX LINEAR LIGHTING WITH 30 DEGREE OPTICS  
6 WATTS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

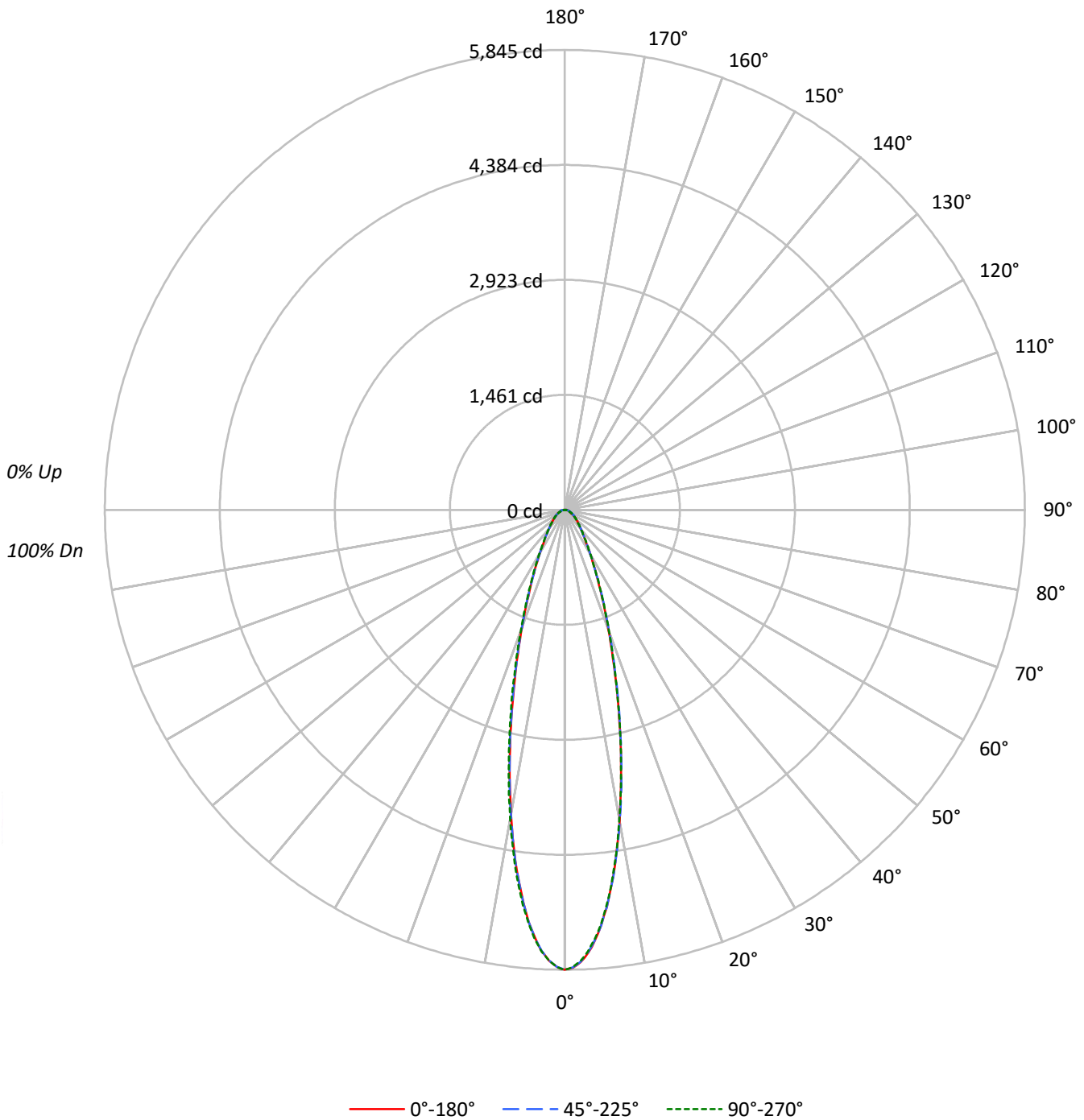
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2425.7 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.5  
Luminous Opening: Rectangular w/ Sides (W: 0.08' x L: 4' x H: 0.03')  
CIE Type: Direct  
  
Input Watts (W): 22.8  
Input Voltage (V): 120  
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84				84
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				78
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	72				72
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	69	68				68
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64				64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61				61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58				58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	63	59	56	55				55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				52

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	207500	207500	207500	207500	207500
5°	188797	183974	181468	182429	187105
10°	144177	137481	134195	135017	141819
15°	96988	90532	87619	88284	94678
20°	61309	55981	53773	54408	59678
25°	39238	34792	33198	33909	38238
30°	26308	22505	21361	22047	25781
35°	18654	15518	14673	15332	18477
40°	14571	11700	10875	11608	14442
45°	11990	9298	8486	9232	11900
50°	10368	7713	6860	7628	10253
55°	9082	6543	5661	6456	9107
60°	7067	5547	4645	5463	8216
65°	5939	4679	3707	4613	7516
70°	6329	3935	2855	3890	7020
75°	6608	3331	2046	3299	6968
80°	7591	2974	1419	2943	7904
85°	11690	2255	839	2805	11989

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 92280 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	461.2	19.0
10°-20°	726.3	29.9
20°-30°	470.0	19.4
30°-40°	277.4	11.4
40°-50°	187.5	7.7
50°-60°	133.9	5.5
60°-70°	88.3	3.6
70°-80°	51.6	2.1
80°-90°	29.5	1.2
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°	1657.6	68.3
0°-40°	1934.9	79.8
0°-60°	2256.4	93.0
0°-90°	2425.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2425.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5845	5845	5845	5845	5845	
5°	5302	5299	5278	5254	5254	463
15°	2644	2662	2651	2596	2582	730
25°	1005	1013	1013	987	980	472
35°	433	434	438	428	429	278
45°	241	241	240	239	239	188
55°	148	151	146	149	149	131
65°	72	92	84	90	91	74
75°	50	52	38	51	52	53
85°	31	25	12	31	32	34
90°	21	21	21	21	21	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9	5844.9
1°	5821.6	5820.3	5817.8	5814.6	5812.7	5810.9	5810.9	5810.7	5812.4
2°	5754.0	5751.3	5747.1	5741.6	5736.1	5732.4	5730.7	5731.7	5734.5
3°	5642.4	5641.9	5635.6	5628.4	5620.2	5613.2	5611.1	5610.4	5614.7
4°	5491.1	5489.4	5485.3	5476.3	5465.9	5457.1	5449.7	5448.6	5452.7
5°	5301.5	5301.9	5298.6	5288.7	5278.5	5265.5	5254.1	5250.5	5254.0
6°	5079.7	5081.5	5080.6	5072.9	5061.2	5044.8	5029.0	5021.2	5025.4
7°	4832.3	4835.7	4837.8	4831.4	4818.6	4798.1	4778.8	4768.8	4772.5
8°	4565.5	4570.5	4574.2	4569.9	4555.4	4532.9	4510.1	4498.7	4503.0
9°	4288.3	4293.7	4299.2	4296.1	4280.3	4255.9	4230.5	4218.0	4223.9
10°	4005.1	4010.7	4016.4	4013.2	3997.1	3972.3	3944.4	3932.1	3939.6
11°	3721.3	3726.8	3732.8	3729.9	3713.3	3687.7	3658.6	3646.8	3654.7
12°	3439.3	3445.1	3451.6	3449.6	3432.3	3406.8	3377.6	3364.5	3372.8
13°	3164.0	3170.6	3177.3	3176.5	3160.6	3134.5	3105.7	3091.5	3097.8
14°	2897.5	2905.2	2913.0	2913.6	2899.1	2873.0	2843.1	2828.9	2831.6
15°	2644.5	2652.8	2662.1	2665.0	2651.1	2624.9	2596.0	2579.9	2581.5
16°	2405.3	2413.8	2425.4	2429.4	2416.7	2390.7	2361.6	2345.6	2345.8
17°	2184.6	2192.0	2205.5	2210.4	2198.6	2173.4	2145.5	2129.2	2128.8
18°	1981.1	1987.8	2001.1	2007.5	1996.1	1972.7	1946.1	1930.6	1929.9
19°	1795.5	1801.9	1814.3	1820.7	1809.5	1788.2	1763.5	1748.9	1748.2
20°	1627.5	1633.4	1644.3	1651.1	1640.0	1620.2	1598.1	1584.1	1584.2
21°	1476.1	1480.8	1490.3	1496.9	1486.8	1468.5	1448.2	1436.1	1436.2
22°	1339.0	1343.2	1351.5	1357.8	1348.7	1332.1	1313.6	1302.3	1302.8
23°	1215.6	1219.3	1226.2	1232.8	1224.6	1209.4	1192.5	1182.6	1183.1
24°	1104.7	1107.9	1113.8	1120.2	1113.1	1099.1	1084.2	1075.1	1076.1
25°	1005.4	1007.8	1013.0	1019.2	1012.8	1000.6	987.3	979.0	979.8
26°	916.4	918.2	922.7	928.7	923.0	911.4	899.4	892.9	893.8
27°	836.7	837.4	841.7	847.7	842.4	832.1	821.2	816.1	817.3
28°	765.8	764.8	768.6	774.5	769.6	760.1	750.5	746.9	748.5
29°	702.6	700.2	703.6	709.3	705.2	696.3	688.1	685.2	687.3
30°	644.7	642.2	644.5	650.1	646.9	638.9	631.4	629.4	631.8
31°	591.9	589.8	591.7	597.3	594.9	587.7	580.7	579.2	581.2
32°	544.8	543.1	545.0	550.0	548.6	542.1	535.9	534.4	535.7
33°	502.7	501.4	503.6	507.9	507.3	501.4	495.7	494.3	495.6
34°	465.5	464.7	466.4	470.7	470.6	465.3	460.2	458.9	460.1
35°	432.8	432.5	433.6	438.0	437.7	433.2	428.4	427.2	428.7
36°	404.1	403.6	404.6	408.8	408.7	404.4	400.5	399.2	400.7
37°	378.9	378.1	379.0	382.6	382.2	378.9	375.5	374.1	375.7
38°	356.5	355.0	356.2	359.0	358.5	356.0	353.0	351.7	353.4
39°	335.9	334.4	335.4	337.6	336.8	335.2	332.8	331.6	332.8
40°	316.5	315.3	316.3	318.0	317.0	315.8	313.8	313.1	313.7
41°	298.9	297.9	298.9	300.2	299.0	298.0	296.5	295.9	296.4
42°	282.4	281.7	282.4	283.4	282.4	281.5	280.7	279.8	280.1
43°	267.3	266.8	267.4	268.2	267.3	266.5	265.8	264.9	265.2
44°	253.4	253.0	253.7	253.9	253.0	252.4	252.1	251.2	251.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
45°	240.7	240.4	241.0	240.9	239.7	239.3	239.3	238.4	238.9
46°	229.2	228.9	229.3	228.8	227.5	227.2	227.7	226.9	227.2
47°	218.3	218.2	218.6	217.7	216.2	216.1	216.8	216.1	216.5
48°	208.2	208.0	208.5	207.3	205.5	205.8	206.6	205.9	206.2
49°	198.7	198.4	199.0	197.6	195.5	196.1	197.0	196.4	196.6
50°	189.5	189.3	189.8	188.2	186.1	186.8	187.7	187.4	187.4
51°	180.6	180.6	181.2	179.7	177.3	178.4	179.2	178.7	178.8
52°	172.2	172.4	173.1	171.7	168.8	170.1	171.0	170.7	170.6
53°	164.0	164.8	165.5	164.0	161.0	162.6	163.4	163.1	163.0
54°	156.3	157.5	158.2	156.8	153.4	155.5	156.1	155.9	155.7
55°	148.4	150.5	151.2	150.0	146.1	148.4	149.2	148.8	148.8
56°	140.7	143.8	144.4	143.0	139.0	141.5	142.4	142.1	142.1
57°	131.3	137.3	137.7	136.2	132.1	134.9	135.9	135.4	135.5
58°	123.6	130.8	131.2	129.6	125.5	128.1	129.4	129.1	129.2
59°	110.6	124.7	125.0	123.2	118.9	121.7	123.2	123.2	123.2
60°	100.9	118.7	118.9	116.9	112.8	115.4	117.1	117.2	117.3
61°	92.4	113.1	113.2	110.7	106.6	109.3	111.4	111.7	111.7
62°	86.0	107.7	107.6	104.7	100.6	103.6	105.8	106.3	106.2
63°	79.8	102.5	102.1	99.1	94.9	98.0	100.5	101.1	101.0
64°	75.0	97.3	96.8	93.6	89.2	92.6	95.4	95.9	95.9
65°	71.9	92.3	91.7	88.4	83.7	87.5	90.4	91.1	91.0
66°	68.3	87.6	86.9	83.3	78.5	82.5	85.7	86.3	86.3
67°	64.8	82.9	82.3	78.4	73.4	77.7	81.2	81.7	81.7
68°	65.9	78.4	77.7	73.7	68.5	73.0	76.7	77.4	77.3
69°	63.9	74.1	73.4	69.1	63.8	68.6	72.5	73.1	73.0
70°	62.3	69.9	69.3	64.8	59.1	64.3	68.5	69.1	69.1
71°	60.0	65.5	65.3	60.8	54.6	60.2	64.6	65.4	65.3
72°	57.4	61.0	61.5	56.9	50.3	56.4	60.9	61.7	61.7
73°	54.6	56.0	57.9	53.2	45.9	52.9	57.4	58.3	58.4
74°	52.2	49.1	54.7	49.8	41.9	49.5	54.1	55.1	55.3
75°	49.6	44.1	51.6	46.6	38.2	46.2	51.1	52.1	52.3
76°	47.0	39.6	48.8	43.6	34.8	43.4	48.3	49.2	49.5
77°	44.6	37.0	46.1	41.0	31.6	40.8	45.7	46.6	46.9
78°	42.7	36.2	43.7	38.6	28.6	38.3	43.3	44.2	44.5
79°	40.8	36.9	41.4	36.4	25.9	36.2	41.1	42.0	42.4
80°	38.8	36.4	39.4	34.6	23.4	34.2	39.0	40.0	40.4
81°	37.1	35.7	37.5	32.7	20.8	32.3	37.1	38.0	38.5
82°	35.7	34.3	35.4	30.8	18.5	30.5	35.4	36.3	36.7
83°	34.1	33.1	31.5	28.8	16.3	28.5	33.7	34.6	35.1
84°	32.7	31.7	27.0	26.9	14.0	26.6	32.1	33.1	33.5
85°	31.3	30.5	24.6	25.1	11.9	24.7	30.6	31.6	32.1
86°	30.0	29.3	24.2	23.5	9.8	23.0	29.2	30.2	30.8
87°	28.7	28.2	24.0	21.8	8.0	21.4	27.9	29.0	29.5
88°	27.6	27.1	23.5	18.3	6.6	19.8	26.6	27.8	28.4
89°	26.3	26.1	23.4	15.1	5.3	18.4	25.4	26.8	27.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
90°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6

(END OF REPORT)