

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: P958929

Luminaire Tested: MFO-06W-927-60-X-1F-UNV-STD

Issue Date: 2/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P958929  
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-927-60-X-1F-UNV-STD  
Description: iO LED MiniO-FLEX LINEAR LIGHTING WITH 60 DEGREE OPTICS. INPUT WATTAGE IN IES FILE REPRESENTS CONSUMPTION IN A RUN, INDIVIDUAL FIXTURE MAY VARY.  
6 WATTS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

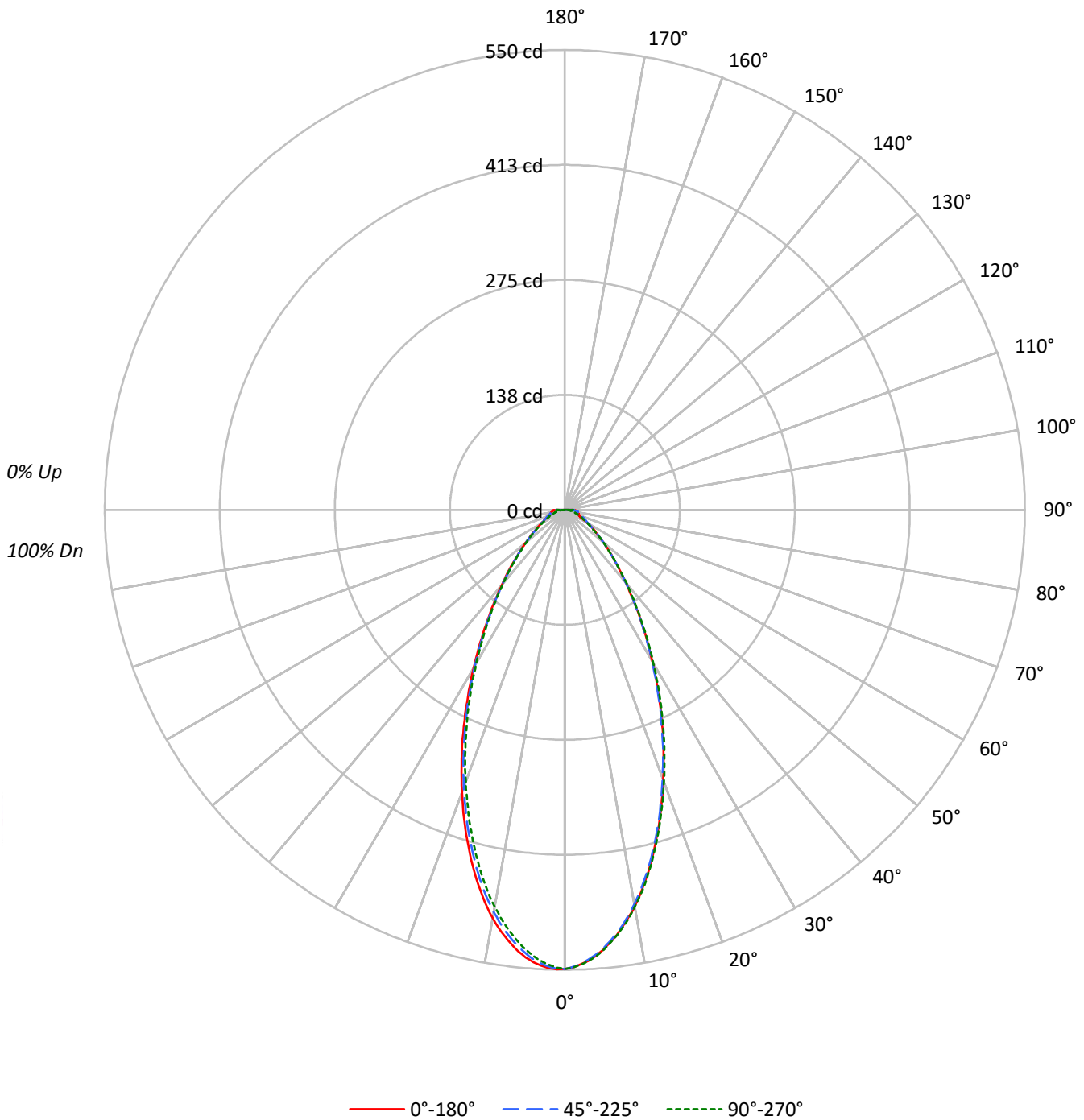
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 551.8 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.76 / 0.82  
Luminous Opening: Rectangular w/ Sides (W: 0.08' x L: 1' x H: 0.03')  
CIE Type: Direct  
  
Input Watts (W): 5.7  
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				
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71				
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64				
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54				
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50				
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46				
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40				

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

	0°	45°	90°	135°	180°
0°	77989	77989	77989	77989	77989
5°	75042	72991	72691	73892	76364
10°	69030	65373	64769	66711	71123
15°	60657	56042	55246	57600	63106
20°	51392	46292	45419	47768	53692
25°	42167	37099	36227	38272	44144
30°	33686	28897	27948	29756	35136
35°	26337	21989	21092	22599	27355
40°	20441	16578	15712	16943	21127
45°	16039	12539	11682	12752	16448
50°	12730	9563	8714	9675	12964
55°	10327	7422	6510	7439	10445
60°	8319	5951	4974	5969	8804
65°	6450	5133	3968	5133	8054
70°	6913	4741	3265	4741	8059
75°	8095	4565	2593	4565	8831
80°	10467	4695	2134	4753	11229
85°	16385	4287	1325	5025	17342

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 45244 cd/sqm



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CATALOG NUMBER: MFO-06W-927-60-X-1F-UNV-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.1	8.9
10°-20°	116.6	21.1
20°-30°	126.6	23.0
30°-40°	99.0	17.9
40°-50°	64.8	11.7
50°-60°	39.5	7.2
60°-70°	24.9	4.5
70°-80°	17.9	3.2
80°-90°	13.4	2.4
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°	292.4	53.0
0°-40°	391.3	70.9
0°-60°	495.6	89.8
0°-90°	551.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	549	549	549	549	549	
5°	528	526	529	533	537	49
15°	416	414	418	425	433	116
25°	273	272	276	280	286	125
35°	155	155	157	159	161	98
45°	82	82	82	84	84	64
55°	44	44	42	44	44	39
65°	20	26	22	26	26	22
75°	16	18	12	18	18	18
85°	14	12	5	14	14	15
90°	10	10	10	10	10	



TEST NUMBER: P958929

CATALOG NUMBER: MFO-06W-927-60-X-1F-UNV-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2
1°	547.1	546.8	546.8	547.1	547.5	548.1	548.7	549.4	549.7
2°	544.1	543.5	543.4	543.7	544.5	545.5	546.6	547.7	548.5
3°	540.0	539.0	538.8	539.2	540.3	541.7	543.2	544.8	546.0
4°	534.6	533.4	533.2	533.7	535.0	536.6	538.6	540.6	542.2
5°	527.9	526.5	526.3	527.1	528.6	530.5	532.8	535.2	537.2
6°	520.3	518.6	518.4	519.4	520.9	523.2	525.9	528.4	530.9
7°	511.7	509.8	509.8	510.7	512.5	515.0	517.8	520.8	523.5
8°	502.4	500.2	500.4	501.4	503.2	505.9	508.9	512.2	515.4
9°	492.3	490.0	490.1	491.1	493.2	496.1	499.1	502.7	506.1
10°	481.4	478.7	478.8	480.2	482.3	485.4	488.6	492.1	496.0
11°	469.7	466.8	466.9	468.4	470.6	473.8	477.3	480.8	484.8
12°	457.2	454.2	454.5	456.0	458.3	461.5	465.2	468.7	472.8
13°	444.1	441.1	441.4	443.1	445.3	448.8	452.5	455.9	460.1
14°	430.2	427.4	427.7	429.6	431.8	435.4	439.1	442.6	446.7
15°	416.1	413.4	413.7	415.9	417.9	421.6	425.2	428.7	432.9
16°	401.9	399.1	399.5	401.8	403.9	407.5	411.1	414.5	418.7
17°	387.6	384.5	385.1	387.4	389.6	393.2	396.7	399.9	404.2
18°	373.1	369.8	370.6	372.9	375.2	378.7	382.1	385.1	389.3
19°	358.5	355.3	356.1	358.5	360.8	364.1	367.4	370.4	374.3
20°	344.0	340.9	341.8	344.1	346.3	349.5	352.7	355.6	359.4
21°	329.6	326.6	327.5	329.8	332.2	334.9	338.0	340.8	344.5
22°	315.3	312.5	313.4	315.6	317.9	320.5	323.4	326.1	329.6
23°	301.1	298.4	299.4	301.5	303.9	306.2	309.0	311.5	314.9
24°	287.0	284.4	285.6	287.6	290.0	292.1	294.7	297.1	300.3
25°	273.1	270.8	271.9	273.8	276.3	278.1	280.5	283.0	285.9
26°	259.5	257.5	258.5	260.4	262.8	264.5	266.7	269.0	271.6
27°	246.3	244.6	245.5	247.3	249.5	251.2	253.2	255.2	257.6
28°	233.6	232.0	232.9	234.5	236.6	238.1	239.9	241.8	244.1
29°	221.2	219.7	220.5	222.0	223.9	225.6	227.2	228.8	230.9
30°	209.2	207.9	208.6	210.0	211.6	213.4	214.8	216.2	218.2
31°	197.6	196.5	197.2	198.5	199.9	201.7	202.9	204.1	205.9
32°	186.5	185.4	186.0	187.2	188.6	190.3	191.4	192.5	194.1
33°	175.7	174.8	175.3	176.6	177.8	179.4	180.4	181.4	182.7
34°	165.2	164.6	165.0	166.2	167.3	168.8	169.7	170.6	171.8
35°	155.3	154.8	155.1	156.3	157.3	158.6	159.4	160.4	161.3
36°	145.9	145.5	145.8	146.8	147.8	149.0	149.7	150.5	151.4
37°	137.0	136.7	137.0	137.8	138.8	139.8	140.4	141.2	142.0
38°	128.6	128.3	128.6	129.4	130.2	131.0	131.7	132.4	133.1
39°	120.7	120.5	120.7	121.4	122.1	122.9	123.5	124.2	124.8
40°	113.2	113.0	113.3	113.8	114.5	115.2	115.8	116.4	117.0
41°	106.3	106.1	106.3	106.8	107.3	108.0	108.5	109.1	109.6
42°	99.7	99.5	99.7	100.1	100.5	101.2	101.7	102.2	102.7
43°	93.6	93.4	93.5	93.9	94.1	94.7	95.3	95.8	96.3
44°	87.8	87.6	87.7	88.0	88.1	88.8	89.3	89.8	90.2



TEST NUMBER: P958929

CATALOG NUMBER: MFO-06W-927-60-X-1F-UNV-STD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
45°	82.4	82.3	82.3	82.5	82.5	83.2	83.7	84.2	84.5
46°	77.3	77.2	77.2	77.3	77.2	77.9	78.4	78.9	79.1
47°	72.5	72.4	72.4	72.4	72.2	72.9	73.5	73.9	74.1
48°	68.0	68.0	67.9	67.8	67.6	68.2	68.9	69.2	69.4
49°	63.8	63.8	63.7	63.6	63.2	63.8	64.5	64.9	65.0
50°	59.8	59.8	59.7	59.5	59.1	59.7	60.4	60.8	60.9
51°	56.1	56.1	56.0	55.8	55.2	55.9	56.6	57.0	57.0
52°	52.6	52.7	52.6	52.2	51.5	52.3	53.0	53.4	53.4
53°	49.4	49.5	49.3	49.0	48.1	49.0	49.7	50.1	50.1
54°	46.4	46.5	46.3	45.9	45.0	45.9	46.6	47.0	47.0
55°	43.6	43.7	43.6	43.1	42.0	43.1	43.7	44.1	44.1
56°	40.8	41.1	41.0	40.5	39.2	40.4	41.1	41.4	41.4
57°	38.2	38.6	38.6	38.1	36.7	38.0	38.6	39.0	39.0
58°	35.8	36.4	36.4	35.9	34.3	35.8	36.4	36.7	36.7
59°	33.4	34.4	34.4	33.9	32.2	33.7	34.4	34.7	34.6
60°	30.9	32.5	32.5	32.0	30.2	31.9	32.6	32.8	32.7
61°	28.4	30.9	30.9	30.3	28.3	30.2	30.9	31.1	31.1
62°	26.7	29.3	29.4	28.8	26.7	28.6	29.4	29.5	29.5
63°	24.3	27.9	28.0	27.3	25.1	27.2	28.0	28.1	28.1
64°	21.9	26.6	26.8	26.0	23.7	25.9	26.8	26.8	26.8
65°	20.5	25.5	25.7	24.8	22.4	24.7	25.7	25.7	25.6
66°	19.6	24.4	24.7	23.7	21.1	23.6	24.6	24.6	24.6
67°	18.9	23.5	23.8	22.6	20.0	22.6	23.7	23.7	23.6
68°	18.5	22.6	22.9	21.7	18.9	21.7	22.9	22.8	22.7
69°	18.1	21.8	22.1	20.9	17.9	20.8	22.1	22.0	21.9
70°	18.1	21.0	21.4	20.1	16.9	20.0	21.4	21.2	21.1
71°	18.1	20.3	20.6	19.3	15.9	19.2	20.7	20.5	20.4
72°	17.9	19.6	20.0	18.5	14.9	18.5	20.0	19.8	19.7
73°	17.5	18.8	19.3	17.8	13.9	17.8	19.4	19.1	19.1
74°	17.0	17.7	18.7	17.2	12.9	17.1	18.8	18.5	18.5
75°	16.5	16.3	18.2	16.6	12.1	16.6	18.2	18.0	18.0
76°	16.1	14.9	17.7	16.1	11.3	16.2	17.7	17.6	17.4
77°	15.7	13.9	17.2	15.7	10.6	15.8	17.3	17.1	17.0
78°	15.5	13.5	16.8	15.5	10.0	15.6	17.0	16.7	16.7
79°	15.3	13.5	16.4	15.2	9.4	15.4	16.8	16.4	16.4
80°	15.1	13.9	16.1	15.0	8.8	15.2	16.3	16.1	16.2
81°	14.9	13.9	15.8	14.8	8.1	15.0	16.0	15.9	15.9
82°	14.7	13.9	15.4	14.4	7.3	14.6	15.6	15.5	15.6
83°	14.3	13.7	14.9	14.0	6.5	14.1	15.2	15.2	15.3
84°	14.0	13.5	14.0	13.2	5.6	13.5	14.8	14.8	14.9
85°	13.7	13.2	12.2	12.3	4.7	12.5	14.3	14.4	14.5
86°	13.2	12.9	11.3	11.5	3.7	11.6	13.9	14.0	14.1
87°	12.7	12.5	11.2	10.5	3.0	10.8	13.5	13.7	13.8
88°	12.3	12.1	11.1	9.4	2.5	10.2	13.1	13.3	13.5
89°	12.0	11.7	10.9	7.7	1.8	9.6	12.8	13.1	13.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
90°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

(END OF REPORT)