

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: P958925

Luminaire Tested: MFO-06W-927-30-X-1F-UNV-STD

Issue Date: 2/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P958925
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-1F-UNV-STD
Description: iO LED MiniO-FLEX LINEAR LIGHTING WITH 30 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

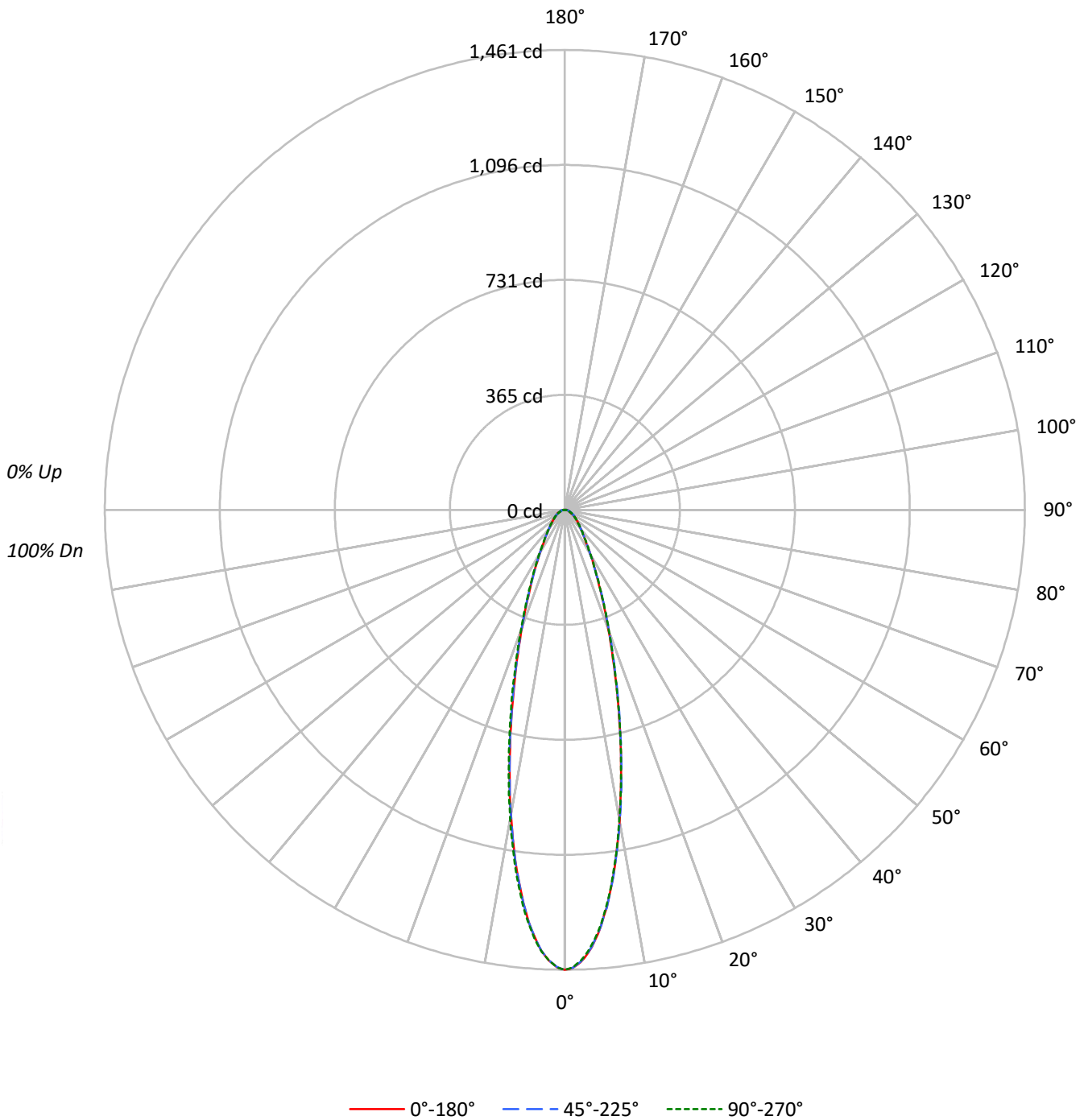
Lumens per Lamp: N/A
Luminaire Lumens: 606.4 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.5
Luminous Opening: Rectangular w/ Sides (W: 0.08' x L: 1' x H: 0.03')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84				
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73				
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	69	68				
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64				
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61				
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58				
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	63	59	56	55				
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	207496	207496	207496	207496	207496
5°	188409	183704	181465	182165	186717
10°	143580	137096	134198	134638	141228
15°	96372	90153	87622	87917	94083
20°	60788	55678	53773	54106	59175
25°	38817	34547	33198	33674	37813
30°	25957	22317	21358	21874	25426
35°	18350	15368	14669	15184	18180
40°	14283	11574	10868	11471	14157
45°	11718	9172	8482	9111	11621
50°	10090	7593	6856	7513	9963
55°	8787	6435	5658	6350	8811
60°	6784	5438	4645	5365	7888
65°	5663	4574	3702	4514	7173
70°	5958	3833	2859	3788	6607
75°	6084	3236	2057	3211	6427
80°	6724	2858	1407	2858	7001
85°	9329	2179	846	2671	9568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 23294 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	19.0
10°-20°	181.6	29.9
20°-30°	117.5	19.4
30°-40°	69.3	11.4
40°-50°	46.9	7.7
50°-60°	33.5	5.5
60°-70°	22.1	3.6
70°-80°	12.9	2.1
80°-90°	7.4	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°	414.4	68.3
0°-40°	483.7	79.8
0°-60°	564.1	93.0
0°-90°	606.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1461	1461	1461	1461	1461	
5°	1325	1325	1320	1314	1314	116
15°	661	666	663	649	645	183
25°	251	253	253	247	245	118
35°	108	108	109	107	107	70
45°	60	60	60	60	60	47
55°	37	38	36	37	37	33
65°	18	23	21	23	23	19
75°	12	13	10	13	13	13
85°	8	6	3	8	8	9
90°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2
1°	1455.4	1455.1	1454.5	1453.7	1453.2	1452.7	1452.7	1452.7	1453.1
2°	1438.5	1437.8	1436.8	1435.4	1434.0	1433.1	1432.7	1432.9	1433.6
3°	1410.6	1410.5	1408.9	1407.1	1405.1	1403.3	1402.8	1402.6	1403.7
4°	1372.8	1372.3	1371.3	1369.1	1366.5	1364.3	1362.4	1362.2	1363.2
5°	1325.4	1325.5	1324.6	1322.2	1319.6	1316.4	1313.5	1312.6	1313.5
6°	1269.9	1270.4	1270.1	1268.2	1265.3	1261.2	1257.2	1255.3	1256.4
7°	1208.1	1208.9	1209.4	1207.8	1204.6	1199.5	1194.7	1192.2	1193.1
8°	1141.4	1142.6	1143.5	1142.5	1138.8	1133.2	1127.5	1124.7	1125.7
9°	1072.1	1073.4	1074.8	1074.0	1070.1	1064.0	1057.6	1054.5	1056.0
10°	1001.3	1002.7	1004.1	1003.3	999.3	993.1	986.1	983.0	984.9
11°	930.3	931.7	933.2	932.5	928.3	921.9	914.6	911.7	913.7
12°	859.8	861.3	862.9	862.4	858.1	851.7	844.4	841.1	843.2
13°	791.0	792.6	794.3	794.1	790.2	783.6	776.4	772.9	774.4
14°	724.4	726.3	728.3	728.4	724.8	718.2	710.8	707.2	707.9
15°	661.1	663.2	665.5	666.2	662.8	656.2	649.0	645.0	645.4
16°	601.3	603.5	606.3	607.3	604.2	597.7	590.4	586.4	586.5
17°	546.2	548.0	551.4	552.6	549.6	543.4	536.4	532.3	532.2
18°	495.3	497.0	500.3	501.9	499.0	493.2	486.5	482.7	482.5
19°	448.9	450.5	453.6	455.2	452.4	447.1	440.9	437.2	437.1
20°	406.9	408.4	411.1	412.8	410.0	405.0	399.5	396.0	396.1
21°	369.0	370.2	372.6	374.2	371.7	367.1	362.1	359.0	359.0
22°	334.8	335.8	337.9	339.4	337.2	333.0	328.4	325.6	325.7
23°	303.9	304.8	306.6	308.2	306.2	302.4	298.1	295.7	295.8
24°	276.2	277.0	278.5	280.1	278.3	274.8	271.0	268.8	269.0
25°	251.4	252.0	253.2	254.8	253.2	250.2	246.8	244.7	244.9
26°	229.1	229.5	230.7	232.2	230.8	227.9	224.9	223.2	223.5
27°	209.2	209.3	210.4	211.9	210.6	208.0	205.3	204.0	204.3
28°	191.5	191.2	192.1	193.6	192.4	190.0	187.6	186.7	187.1
29°	175.7	175.1	175.9	177.3	176.3	174.1	172.0	171.3	171.8
30°	161.2	160.6	161.1	162.5	161.7	159.7	157.9	157.3	157.9
31°	148.0	147.4	147.9	149.3	148.7	146.9	145.2	144.8	145.3
32°	136.2	135.8	136.3	137.5	137.1	135.5	134.0	133.6	133.9
33°	125.7	125.3	125.9	127.0	126.8	125.3	123.9	123.6	123.9
34°	116.4	116.2	116.6	117.7	117.7	116.3	115.0	114.7	115.0
35°	108.2	108.1	108.4	109.5	109.4	108.3	107.1	106.8	107.2
36°	101.0	100.9	101.1	102.2	102.2	101.1	100.1	99.8	100.2
37°	94.7	94.5	94.8	95.6	95.6	94.7	93.9	93.5	93.9
38°	89.1	88.7	89.1	89.7	89.6	89.0	88.3	87.9	88.3
39°	84.0	83.6	83.9	84.4	84.2	83.8	83.2	82.9	83.2
40°	79.1	78.8	79.1	79.5	79.2	79.0	78.4	78.3	78.4
41°	74.7	74.5	74.7	75.0	74.8	74.5	74.1	74.0	74.1
42°	70.6	70.4	70.6	70.9	70.6	70.4	70.2	69.9	70.0
43°	66.8	66.7	66.9	67.1	66.8	66.6	66.5	66.2	66.3
44°	63.4	63.2	63.4	63.5	63.2	63.1	63.0	62.8	62.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
45°	60.2	60.1	60.2	60.2	59.9	59.8	59.8	59.6	59.7
46°	57.3	57.2	57.3	57.2	56.9	56.8	56.9	56.7	56.8
47°	54.6	54.5	54.7	54.4	54.1	54.0	54.2	54.0	54.1
48°	52.1	52.0	52.1	51.8	51.4	51.5	51.7	51.5	51.5
49°	49.7	49.6	49.7	49.4	48.9	49.0	49.3	49.1	49.1
50°	47.4	47.3	47.4	47.0	46.5	46.7	46.9	46.8	46.8
51°	45.2	45.2	45.3	44.9	44.3	44.6	44.8	44.7	44.7
52°	43.0	43.1	43.3	42.9	42.2	42.5	42.8	42.7	42.6
53°	41.0	41.2	41.4	41.0	40.2	40.6	40.8	40.8	40.8
54°	39.1	39.4	39.6	39.2	38.3	38.9	39.0	39.0	38.9
55°	37.1	37.6	37.8	37.5	36.5	37.1	37.3	37.2	37.2
56°	35.2	35.9	36.1	35.7	34.7	35.4	35.6	35.5	35.5
57°	32.8	34.3	34.4	34.1	33.0	33.7	34.0	33.9	33.9
58°	30.9	32.7	32.8	32.4	31.4	32.0	32.3	32.3	32.3
59°	27.6	31.2	31.3	30.8	29.7	30.4	30.8	30.8	30.8
60°	25.2	29.7	29.7	29.2	28.2	28.8	29.3	29.3	29.3
61°	23.1	28.3	28.3	27.7	26.6	27.3	27.8	27.9	27.9
62°	21.5	26.9	26.9	26.2	25.2	25.9	26.4	26.6	26.6
63°	19.9	25.6	25.5	24.8	23.7	24.5	25.1	25.3	25.2
64°	18.7	24.3	24.2	23.4	22.3	23.2	23.8	24.0	24.0
65°	18.0	23.1	22.9	22.1	20.9	21.9	22.6	22.8	22.8
66°	17.1	21.9	21.7	20.8	19.6	20.6	21.4	21.6	21.6
67°	16.2	20.7	20.6	19.6	18.3	19.4	20.3	20.4	20.4
68°	16.5	19.6	19.4	18.4	17.1	18.3	19.2	19.3	19.3
69°	16.0	18.5	18.3	17.3	15.9	17.1	18.1	18.3	18.3
70°	15.6	17.5	17.3	16.2	14.8	16.1	17.1	17.3	17.3
71°	15.0	16.4	16.3	15.2	13.7	15.1	16.1	16.3	16.3
72°	14.3	15.3	15.4	14.2	12.6	14.1	15.2	15.4	15.4
73°	13.7	14.0	14.5	13.3	11.5	13.2	14.3	14.6	14.6
74°	13.1	12.3	13.7	12.4	10.5	12.4	13.5	13.8	13.8
75°	12.4	11.0	12.9	11.6	9.6	11.6	12.8	13.0	13.1
76°	11.8	9.9	12.2	10.9	8.7	10.8	12.1	12.3	12.4
77°	11.2	9.2	11.5	10.2	7.9	10.2	11.4	11.6	11.7
78°	10.7	9.0	10.9	9.6	7.2	9.6	10.8	11.0	11.1
79°	10.2	9.2	10.4	9.1	6.5	9.0	10.3	10.5	10.6
80°	9.7	9.1	9.8	8.6	5.8	8.6	9.8	10.0	10.1
81°	9.3	8.9	9.4	8.2	5.2	8.1	9.3	9.5	9.6
82°	8.9	8.6	8.8	7.7	4.6	7.6	8.8	9.1	9.2
83°	8.5	8.3	7.9	7.2	4.1	7.1	8.4	8.6	8.8
84°	8.2	7.9	6.8	6.7	3.5	6.6	8.0	8.3	8.4
85°	7.8	7.6	6.2	6.3	3.0	6.2	7.6	7.9	8.0
86°	7.5	7.3	6.0	5.9	2.5	5.8	7.3	7.6	7.7
87°	7.2	7.0	6.0	5.4	2.0	5.4	7.0	7.2	7.4
88°	6.9	6.8	5.9	4.6	1.7	5.0	6.6	7.0	7.1
89°	6.6	6.5	5.8	3.8	1.3	4.6	6.4	6.7	6.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)