

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: iO LED

Report Number: P295365

Luminaire Tested: **LM-10L-930-120-UNV-S-STD-2F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A1813875F001)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: iO LED
Catalog Number: LM-10L-930-120-UNV-S-STD-2F
Description: CoviO LED ARCHITECTURAL COVE LUMINAIRE.
1000 LUMENS PER FOOT, 24 INCH FIXTURE.
Light Source: (90) 3000K CCT, 90 CRI LEDS
Ballast/Driver: INTEGRAL ELECTRONIC DRIVER

Summary

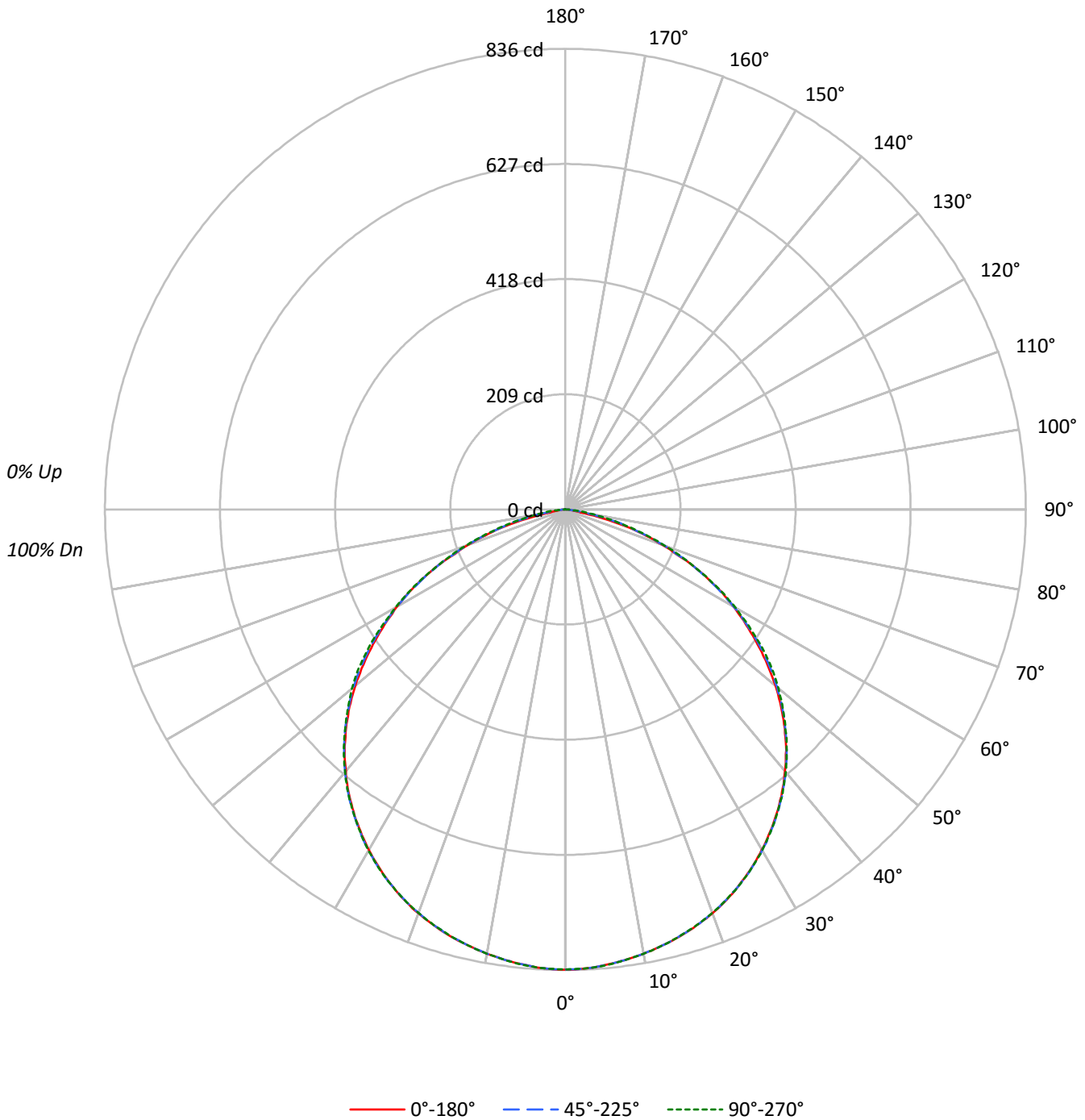
Lumens per Lamp: N/A
Luminaire Lumens: 2288.5 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.04m x L: 0.6m x H: 0m)
CIE Type: Direct

Input Watts (W): 18.8
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: 25 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36333	36333	36333
5°	36258	36254	36271
10°	36165	36165	36174
15°	36147	36118	36124
20°	36110	36087	36073
25°	36010	36027	36024
30°	35841	35894	35902
35°	35598	35675	35652
40°	35216	35329	35341
45°	34657	34771	34774
50°	33672	33943	34200
55°	32291	32651	32981
60°	30657	30687	31005
65°	28047	27980	28180
70°	23680	24024	24380
75°	17680	18697	19260
80°	4960	9506	13025
85°	2795	3344	6388



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	3.4
10°-20°	226.5	9.9
20°-30°	346.0	15.1
30°-40°	420.0	18.4
40°-50°	435.4	19.0
50°-60°	383.9	16.8
60°-70°	268.7	11.7
70°-80°	116.7	5.1
80°-90°	12.5	0.5
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°	651.4	28.5
0°-40°	1071.4	46.8
0°-60°	1890.7	82.6
0°-90°	2288.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	830	830	830	831	831	79
15°	803	802	802	802	802	227
25°	750	751	751	751	751	346
35°	670	671	672	672	671	419
45°	563	564	565	566	565	434
55°	426	427	431	434	435	380
65°	272	272	272	273	274	268
75°	105	109	111	113	115	106
85°	6	6	7	9	13	8
90°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°
0°	835.3	835.3	835.3	835.3
1°	835.6	835.0	835.1	834.9
2°	834.8	834.6	834.4	834.4
3°	833.8	833.4	833.6	833.7
4°	832.0	831.9	832.4	832.4
5°	830.4	830.0	830.6	830.7
6°	828.2	828.4	828.7	828.8
7°	826.3	826.1	826.5	826.8
8°	824.0	823.7	824.2	824.4
9°	821.6	821.3	821.6	821.8
10°	818.8	818.6	819.0	819.0
11°	816.0	815.6	816.0	816.0
12°	813.0	812.8	812.8	812.6
13°	809.8	809.4	809.5	809.4
14°	806.4	806.0	805.7	806.0
15°	802.7	802.2	801.9	802.2
16°	798.8	798.2	798.2	797.7
17°	794.5	794.0	793.8	793.8
18°	789.9	789.8	789.4	789.2
19°	785.4	785.0	784.6	784.5
20°	780.1	779.8	779.4	779.3
21°	775.2	774.8	774.3	774.4
22°	769.4	769.0	768.8	768.6
23°	763.5	763.4	762.6	762.8
24°	757.0	757.1	756.8	757.0
25°	750.3	750.8	750.5	750.6
26°	743.5	744.0	744.2	744.0
27°	736.6	737.2	737.0	737.4
28°	729.2	729.8	730.1	730.1
29°	721.5	722.2	722.5	722.4
30°	713.6	714.4	714.9	714.8
31°	705.3	706.5	707.2	706.6
32°	697.0	698.0	698.8	698.1
33°	688.4	689.0	690.4	689.4
34°	679.7	680.4	681.5	680.4
35°	670.4	671.2	672.5	671.4
36°	661.0	662.2	662.8	662.2
37°	651.6	652.3	653.5	653.1
38°	641.4	642.5	643.1	642.8
39°	631.2	632.2	633.4	632.8
40°	620.2	621.8	622.6	622.4
41°	610.0	610.7	612.2	611.7
42°	598.4	599.8	600.9	600.7
43°	587.6	588.2	589.9	589.5
44°	575.0	576.8	578.0	577.9



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°
45°	563.4	564.3	566.2	565.3
46°	550.6	552.0	554.2	554.0
47°	537.8	539.7	542.1	541.6
48°	524.8	526.7	529.2	530.1
49°	511.2	513.5	516.6	517.2
50°	497.6	499.9	503.3	505.4
51°	483.6	486.1	490.1	492.2
52°	469.4	471.5	476.5	479.5
53°	454.9	457.4	462.8	464.8
54°	440.4	442.0	448.2	450.1
55°	425.8	427.3	433.8	434.9
56°	411.0	411.7	418.8	419.2
57°	396.1	396.2	404.0	402.9
58°	381.3	380.6	388.2	388.0
59°	366.8	364.9	372.7	371.3
60°	352.4	349.1	356.4	356.4
61°	336.8	333.5	339.8	340.0
62°	322.0	318.1	323.9	324.8
63°	305.6	302.2	306.7	307.5
64°	289.1	286.8	289.8	290.8
65°	272.5	271.2	272.5	273.8
66°	256.2	256.2	255.2	257.3
67°	238.6	240.0	238.8	241.0
68°	216.2	220.8	220.7	224.4
69°	203.6	206.4	205.1	208.4
70°	186.2	190.0	187.8	191.7
71°	169.7	172.4	172.1	176.3
72°	153.8	155.6	155.4	159.6
73°	138.5	138.9	140.0	145.0
74°	122.2	124.2	125.4	129.2
75°	105.2	110.6	111.9	114.6
76°	81.9	98.7	99.6	99.6
77°	60.6	80.6	87.2	85.5
78°	44.6	58.6	74.9	73.8
79°	28.2	42.6	62.5	62.1
80°	19.8	24.2	51.7	52.0
81°	15.0	17.2	39.6	44.3
82°	12.0	13.0	27.9	32.2
83°	9.6	10.4	16.1	24.5
84°	7.6	8.2	10.1	18.8
85°	5.6	6.2	7.2	12.8
86°	4.2	4.6	5.3	8.8
87°	3.0	3.4	3.9	5.4
88°	1.9	2.3	2.8	3.1
89°	1.2	1.5	1.8	1.6



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°
90°	0.6	1.0	1.2	0.8

(END OF REPORT)