

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: P364404

Luminaire Tested: **LM-15L-930-120-UNV-S-STD-4F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-518-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: iO LED  
Catalog Number: LM-15L-930-120-UNV-S-STD-4F  
Description: CoviO LED ARCHITECTURAL COVE LUMINAIRE.  
1500 LUMENS PER FOOT, 48 INCH FIXTURE.  
Light Source: (180) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: INTEGRAL ELECTRONIC DRIVER

**Summary**

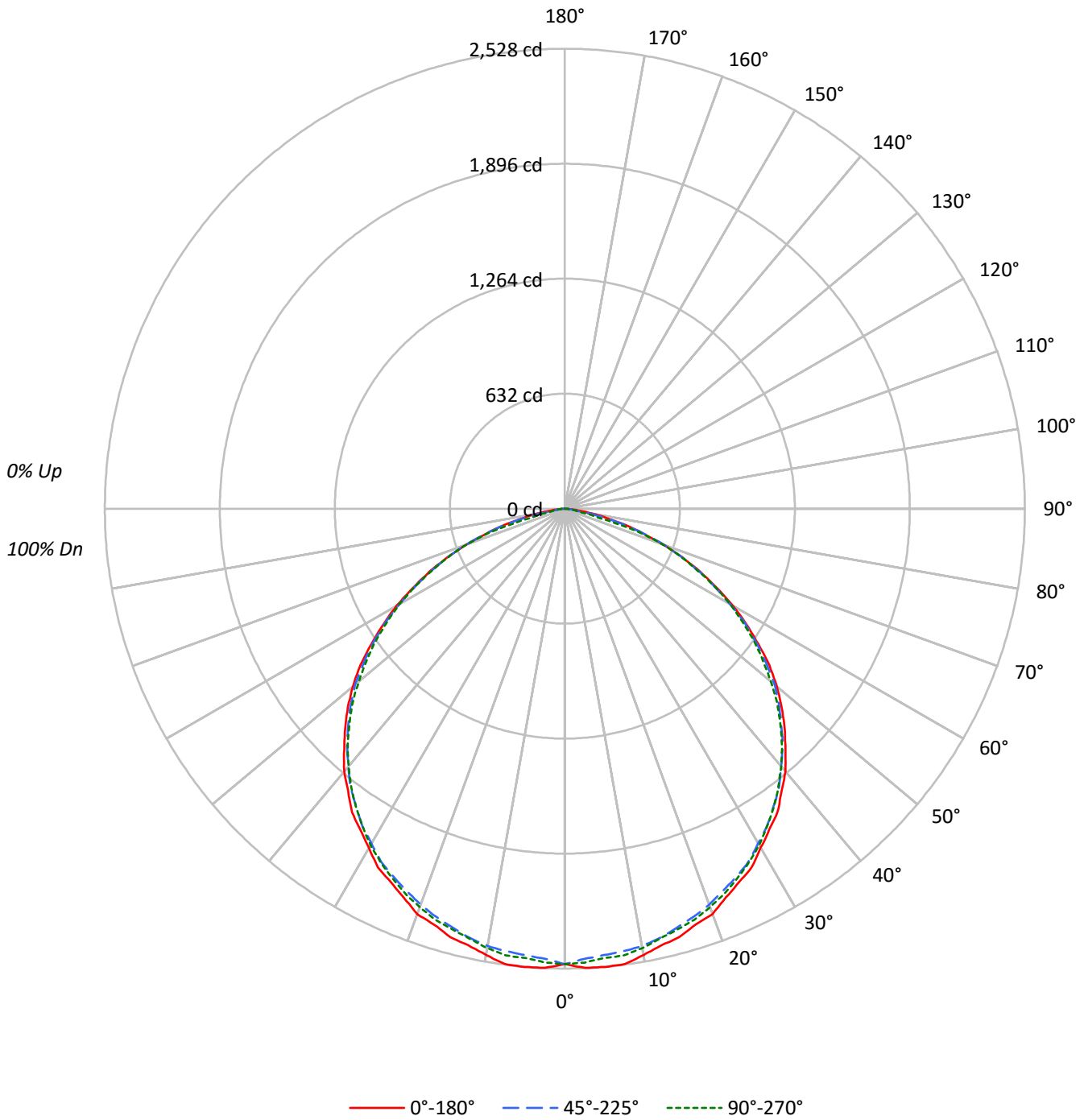
Lumens per Lamp: N/A  
Luminaire Lumens: 6820.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.12' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 56.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	93	90	91	89	88	86
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	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	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	53893	53893	53893
5°	54637	53247	53561
10°	54453	53364	53614
15°	54314	53113	53345
20°	54334	53074	53409
25°	53799	53010	53257
30°	53517	52821	53080
35°	53555	52545	52601
40°	53013	51993	51934
45°	52000	51242	50959
50°	50917	50394	49494
55°	48732	48226	47640
60°	45902	45053	45096
65°	41785	41205	40991
70°	35966	36161	35708
75°	27948	27082	16644
80°	17865	8232	7327
85°	7929	4619	4619



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.8	3.5
10°-20°	679.0	10.0
20°-30°	1034.2	15.2
30°-40°	1254.8	18.4
40°-50°	1300.2	19.1
50°-60°	1146.6	16.8
60°-70°	807.2	11.8
70°-80°	327.8	4.8
80°-90°	33.3	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°	1950.0	28.6
0°-40°	3204.9	47.0
0°-60°	5651.6	82.9
0°-90°	6820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6820.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2503	2503	2503	2503	2503	
5°	2528	2496	2464	2491	2478	240
15°	2437	2413	2383	2406	2394	687
25°	2265	2249	2232	2240	2242	1046
35°	2038	2010	1999	1994	2002	1270
45°	1708	1692	1683	1685	1674	1317
55°	1298	1298	1285	1272	1269	1160
65°	820	835	809	821	805	809
75°	336	326	326	264	200	362
85°	32	18	19	20	19	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2503.4	2503.4	2503.4	2503.4	2503.4
2.5°	2526.2	2506.5	2476.4	2510.7	2497.2
5°	2528.3	2496.1	2464.0	2491.0	2478.5
7.5°	2525.2	2486.8	2453.6	2477.5	2477.5
10°	2491.0	2466.1	2441.2	2456.7	2452.6
12.5°	2457.8	2442.2	2417.3	2439.1	2420.4
15°	2437.0	2413.2	2383.1	2405.9	2393.5
17.5°	2395.6	2375.9	2353.0	2370.7	2368.6
20°	2371.7	2342.7	2316.7	2336.4	2331.3
22.5°	2312.6	2293.9	2273.2	2289.8	2290.8
25°	2264.9	2249.3	2231.7	2240.0	2242.1
27.5°	2223.4	2192.3	2187.1	2178.8	2192.3
30°	2152.9	2134.2	2124.9	2136.3	2135.3
32.5°	2091.7	2080.3	2068.9	2065.8	2069.9
35°	2037.8	2009.8	1999.4	1994.2	2001.5
37.5°	1955.9	1937.2	1933.0	1933.0	1927.9
40°	1886.4	1854.2	1850.1	1854.2	1848.0
42.5°	1794.1	1770.2	1771.3	1766.1	1766.1
45°	1708.0	1692.4	1683.1	1685.2	1673.8
47.5°	1616.7	1607.4	1596.0	1584.6	1582.5
50°	1520.3	1512.0	1504.7	1484.0	1477.8
52.5°	1417.6	1403.1	1393.8	1374.1	1372.0
55°	1298.4	1298.4	1284.9	1272.4	1269.3
57.5°	1182.2	1193.6	1173.9	1158.4	1157.3
60°	1066.1	1076.4	1046.4	1048.4	1047.4
62.5°	938.5	960.3	927.1	938.5	929.2
65°	820.3	834.8	808.9	821.3	804.7
67.5°	695.9	695.9	693.8	688.6	691.7
70°	571.4	562.1	574.5	569.3	567.3
72.5°	449.0	436.6	450.1	449.0	426.2
75°	336.0	325.6	325.6	264.4	200.1
77.5°	231.3	226.1	209.5	105.8	98.5
80°	144.1	145.2	66.4	59.1	59.1
82.5°	75.7	64.3	33.2	34.2	33.2
85°	32.1	17.6	18.7	19.7	18.7
87.5°	8.3	8.3	10.4	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)