

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: P364402

Luminaire Tested: **LM-10L-935-120-UNV-S-STD-4F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-518-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: iO LED  
Catalog Number: LM-10L-935-120-UNV-S-STD-4F  
Description: CoviO LED ARCHITECTURAL COVE LUMINAIRE.  
1000 LUMENS PER FOOT, 48 INCH FIXTURE.  
Light Source: (180) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: INTEGRAL ELECTRONIC DRIVER

**Summary**

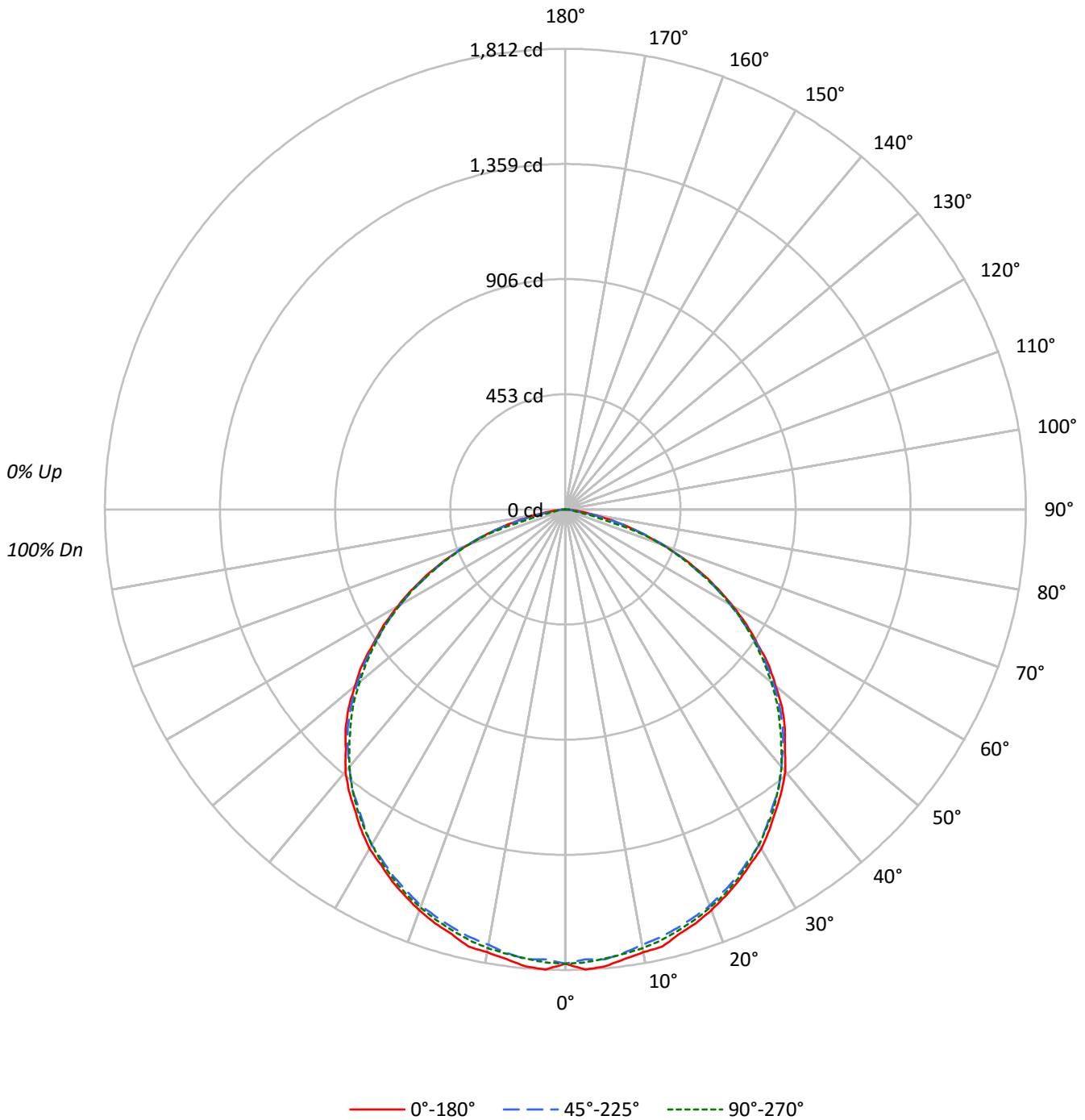
Lumens per Lamp: N/A  
Luminaire Lumens: 4873.9 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.12' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.5  
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



TEST NUMBER: P364402  
CATALOG NUMBER: LM-10L-935-120-UNV-S-STD-4F

### Luminous Intensity Polar Plot





TEST NUMBER: P364402

CATALOG NUMBER: LM-10L-935-120-UNV-S-STD-4F

**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	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	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	27	52	40	33	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	38477	38477	38477
5°	38993	38390	38345
10°	38670	38012	38318
15°	38541	37991	38229
20°	38460	38016	38190
25°	38321	37913	38091
30°	38314	37886	37859
35°	37939	37400	37626
40°	37820	37157	37157
45°	37213	36854	36363
50°	36187	35829	35397
55°	34669	34387	34106
60°	32787	32279	32326
65°	30039	29326	29382
70°	25423	26165	25555
75°	20012	19746	12152
80°	12521	5455	4922
85°	5311	3186	3186



TEST NUMBER: P364402  
 CATALOG NUMBER: LM-10L-935-120-UNV-S-STD-4F

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.2	3.5
10°-20°	484.8	9.9
20°-30°	739.1	15.2
30°-40°	896.1	18.4
40°-50°	928.7	19.1
50°-60°	819.8	16.8
60°-70°	577.8	11.9
70°-80°	235.1	4.8
80°-90°	23.4	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°	1393.1	28.6
0°-40°	2289.2	47.0
0°-60°	4037.7	82.8
0°-90°	4873.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4873.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1804	1783	1776	1782	1774	171
15°	1729	1722	1705	1721	1715	489
25°	1613	1608	1596	1604	1604	744
35°	1444	1434	1423	1433	1432	905
45°	1222	1207	1210	1199	1194	941
55°	924	926	916	911	909	827
65°	590	591	576	583	577	581
75°	241	233	237	189	146	257
85°	22	13	13	13	13	36
90°	0	0	0	0	0	



TEST NUMBER: P364402

CATALOG NUMBER: LM-10L-935-120-UNV-S-STD-4F

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1787.3	1787.3	1787.3	1787.3	1787.3
2.5°	1812.0	1788.3	1772.2	1785.1	1784.0
5°	1804.4	1783.0	1776.5	1781.9	1774.4
7.5°	1784.0	1777.6	1760.4	1772.2	1763.6
10°	1769.0	1758.3	1738.9	1751.8	1752.9
12.5°	1761.5	1735.7	1725.0	1740.0	1736.8
15°	1729.3	1721.7	1704.6	1720.7	1715.3
17.5°	1706.7	1700.3	1682.0	1692.7	1692.7
20°	1678.8	1670.2	1659.4	1669.1	1667.0
22.5°	1646.6	1638.0	1627.2	1639.0	1638.0
25°	1613.3	1607.9	1596.1	1603.6	1603.6
27.5°	1574.6	1571.4	1557.4	1563.9	1564.9
30°	1541.3	1530.6	1524.1	1524.1	1523.0
32.5°	1495.1	1482.2	1474.7	1479.0	1479.0
35°	1443.6	1433.9	1423.1	1432.8	1431.7
37.5°	1398.4	1381.3	1380.2	1377.0	1378.0
40°	1345.8	1323.3	1322.2	1326.5	1322.2
42.5°	1279.2	1265.3	1267.4	1265.3	1257.7
45°	1222.3	1207.3	1210.5	1198.7	1194.4
47.5°	1157.9	1140.7	1142.8	1133.1	1129.9
50°	1080.5	1074.1	1069.8	1063.3	1056.9
52.5°	1009.6	1008.6	995.7	991.4	983.9
55°	923.7	925.9	916.2	910.8	908.7
57.5°	846.4	851.7	832.4	830.3	834.6
60°	761.5	769.0	749.7	751.9	750.8
62.5°	676.7	682.0	664.9	673.4	670.2
65°	589.7	590.7	575.7	583.2	576.8
67.5°	500.5	503.7	495.1	498.4	490.9
70°	403.9	401.7	415.7	409.2	406.0
72.5°	319.0	315.8	324.4	323.3	305.0
75°	240.6	233.1	237.4	189.0	146.1
77.5°	163.3	163.3	148.2	74.1	69.8
80°	101.0	105.3	44.0	40.8	39.7
82.5°	54.8	48.3	23.6	23.6	22.6
85°	21.5	12.9	12.9	12.9	12.9
87.5°	5.4	5.4	6.4	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)