

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: METALUX

Report Number: P566786

Luminaire Tested: **4SNX-74HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-74HL-LW-UNV-L930-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

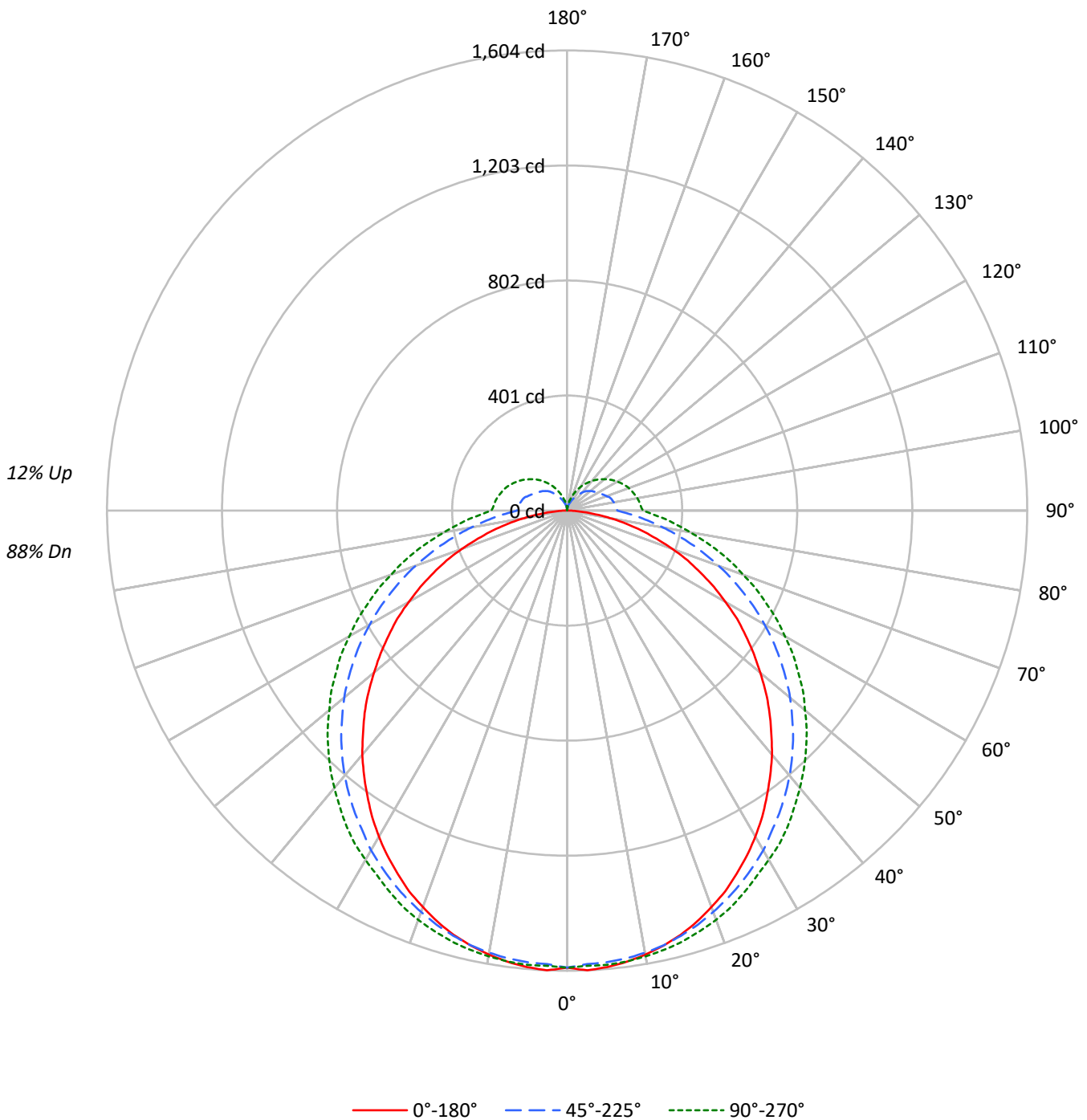
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5736.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 51.8  
Input Voltage (V): NR  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

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

	0°	45°	90°
0°	17149	17149	17149
5°	17195	16360	16226
10°	17052	15715	15428
15°	16866	15075	14701
20°	16593	14427	13998
25°	16273	13798	13278
30°	15928	13182	12615
35°	15501	12537	12020
40°	15082	11933	11373
45°	14584	11298	10756
50°	14009	10640	10101
55°	13449	9919	9453
60°	12800	9161	8754
65°	12011	8334	8032
70°	11013	7442	7249
75°	9617	6463	6500
80°	7681	5486	5641
85°	4927	4545	4926



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.3	2.6
10°-20°	435.1	7.6
20°-30°	661.9	11.5
30°-40°	804.8	14.0
40°-50°	851.4	14.8
50°-60°	798.1	13.9
60°-70°	656.6	11.4
70°-80°	454.3	7.9
80°-90°	252.6	4.4
90°-100°	166.4	2.9
100°-110°	149.2	2.6
110°-120°	123.5	2.2
120°-130°	95.5	1.7
130°-140°	67.6	1.2
140°-150°	40.8	0.7
150°-160°	19.6	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1248.2	21.8
0°-40°	2053.0	35.8
0°-60°	3702.6	64.6
0°-90°	5066.1	88.3
90°-120°	439.2	7.7
90°-150°	643.1	11.2
90°-180°	670.0	11.7
0°-180°	5736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1593	1593	1593	1593	1593	
5°	1597	1594	1580	1593	1589	152
15°	1530	1535	1534	1555	1555	431
25°	1397	1416	1433	1465	1466	644
35°	1214	1246	1289	1330	1342	760
45°	998	1050	1114	1164	1178	769
55°	759	827	907	964	983	680
65°	514	587	679	746	766	509
75°	267	345	446	517	545	283
85°	59	146	248	316	344	68
90°	1	82	175	241	264	4
95°	1	79	170	233	255	1
105°	1	68	159	219	239	1
115°	2	59	135	194	216	2
125°	2	50	115	166	187	2
135°	2	39	96	136	153	2
145°	2	28	67	103	116	1
155°	3	20	41	66	77	1
165°	3	13	23	30	39	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1593.2	1593.2	1593.2	1593.2	1593.2
2.5°	1604.0	1599.1	1582.4	1593.2	1588.3
5°	1597.2	1594.2	1580.5	1593.2	1589.3
7.5°	1586.4	1585.4	1574.6	1589.3	1585.4
10°	1571.6	1573.6	1564.8	1580.5	1577.5
12.5°	1553.0	1555.9	1552.0	1569.7	1567.7
15°	1530.4	1535.3	1534.3	1554.9	1554.9
17.5°	1502.9	1509.7	1513.7	1537.2	1537.2
20°	1470.5	1481.3	1489.1	1514.7	1518.6
22.5°	1438.0	1450.8	1462.6	1489.1	1495.0
25°	1396.8	1416.4	1433.1	1464.6	1465.5
27.5°	1356.5	1378.1	1400.7	1431.2	1434.1
30°	1312.3	1339.8	1367.3	1396.8	1405.6
32.5°	1265.2	1295.6	1326.1	1365.4	1377.1
35°	1214.1	1246.5	1288.7	1330.0	1341.8
37.5°	1163.0	1199.3	1248.5	1290.7	1301.5
40°	1110.9	1151.2	1206.2	1249.4	1262.2
42.5°	1053.0	1102.1	1161.0	1207.2	1221.9
45°	998.0	1050.0	1113.9	1164.0	1177.7
47.5°	940.0	995.0	1063.8	1116.8	1132.6
50°	878.1	941.0	1014.7	1067.7	1082.5
52.5°	820.2	884.0	961.6	1016.6	1037.3
55°	759.3	827.1	906.6	963.6	983.3
57.5°	702.3	767.2	852.6	909.6	934.1
60°	637.5	709.2	794.7	856.5	876.2
62.5°	576.6	649.3	737.7	801.5	824.1
65°	513.7	587.4	678.7	745.5	766.2
67.5°	454.8	527.5	620.8	686.6	713.1
70°	390.0	466.6	561.9	629.6	652.2
72.5°	326.1	405.7	502.9	575.6	601.1
75°	267.2	344.8	445.9	516.7	545.2
77.5°	210.2	288.8	390.9	463.6	488.2
80°	153.2	235.7	339.9	411.6	435.1
82.5°	101.2	187.6	290.8	362.5	388.0
85°	58.9	146.4	247.5	316.3	343.8
87.5°	25.5	111.0	207.3	275.0	297.6
90°	1.0	82.5	174.8	240.7	264.2
92.5°	1.0	80.5	170.9	235.7	258.3
95°	1.0	78.6	169.9	232.8	255.4
97.5°	1.0	77.6	168.0	230.8	252.4
100°	1.0	74.7	165.0	226.9	248.5
102.5°	1.0	70.7	162.1	223.0	243.6
105°	1.0	67.8	159.1	219.0	238.7
107.5°	1.0	64.8	154.2	214.1	233.8
110°	1.0	61.9	146.4	209.2	228.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	60.9	140.5	202.3	223.0
115°	2.0	58.9	134.6	194.5	216.1
117.5°	2.0	58.0	129.7	186.6	209.2
120°	2.0	55.0	124.7	179.8	201.4
122.5°	2.0	52.1	119.8	172.9	194.5
125°	2.0	50.1	114.9	166.0	186.6
127.5°	2.0	47.1	111.0	159.1	177.8
130°	2.0	45.2	106.1	151.3	169.9
132.5°	2.0	42.2	101.2	143.4	161.1
135°	2.0	39.3	96.3	136.5	153.2
137.5°	2.0	35.4	90.4	128.7	144.4
140°	2.0	32.4	82.5	120.8	135.6
142.5°	2.0	30.5	74.7	112.0	125.7
145°	2.0	28.5	66.8	103.1	115.9
147.5°	2.0	26.5	59.9	94.3	106.1
150°	2.0	23.6	53.0	86.4	96.3
152.5°	2.9	21.6	47.1	76.6	86.4
155°	2.9	19.6	41.3	65.8	76.6
157.5°	2.9	17.7	35.4	55.0	66.8
160°	2.9	15.7	30.5	45.2	57.0
162.5°	2.9	14.7	26.5	37.3	48.1
165°	2.9	12.8	22.6	30.5	39.3
167.5°	2.9	9.8	18.7	23.6	32.4
170°	2.9	7.9	14.7	16.7	24.6
172.5°	2.9	5.9	10.8	11.8	12.8
175°	2.9	4.9	6.9	6.9	3.9
177.5°	2.9	3.9	3.9	3.9	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)