

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: P565749

Luminaire Tested: **2SNX-44HL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-44HL-LC-UNV-L850-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

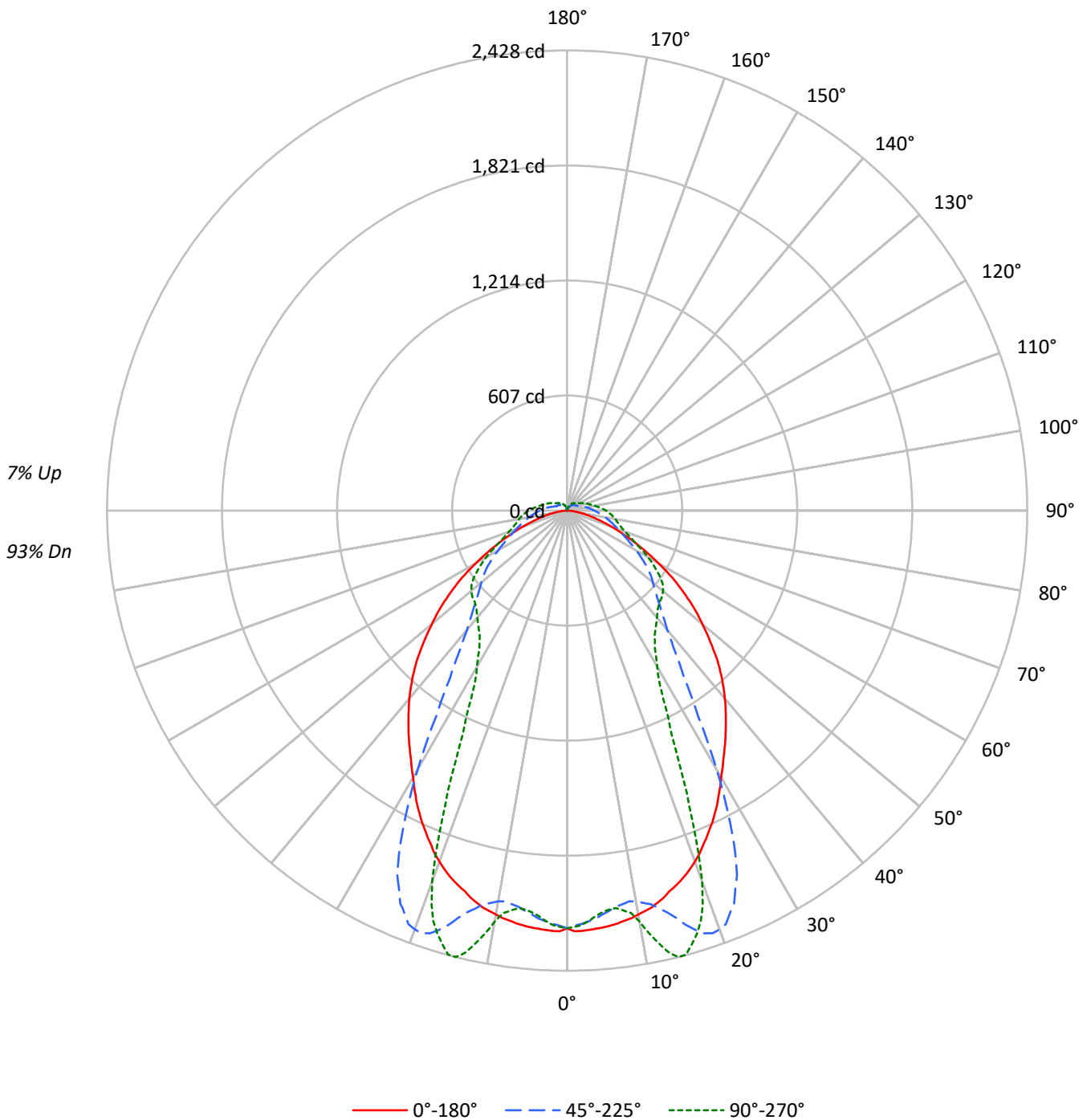
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4900.0 lumens  
Efficiency: N/A  
Efficacy: 157.6 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 31.1  
Input Voltage (V): NR  
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	37	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

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

	0°	45°	90°
0°	47465	47465	47465
5°	47348	44189	43446
10°	46611	41860	43082
15°	45358	43448	45865
20°	43816	45153	38385
25°	41447	40392	23602
30°	38557	29999	17081
35°	36170	20645	14409
40°	34014	15977	13280
45°	31537	13560	12558
50°	28376	12128	12329
55°	25068	10928	11407
60°	20916	9419	9867
65°	16651	8165	8235
70°	12681	7301	7251
75°	9396	6745	6760
80°	6112	6341	6693
85°	2834	5992	6645



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.2	4.2
10°-20°	626.9	12.8
20°-30°	844.1	17.2
30°-40°	798.9	16.3
40°-50°	705.1	14.4
50°-60°	572.7	11.7
60°-70°	389.5	7.9
70°-80°	250.6	5.1
80°-90°	166.7	3.4
90°-100°	114.5	2.3
100°-110°	76.9	1.6
110°-120°	54.2	1.1
120°-130°	38.7	0.8
130°-140°	27.3	0.6
140°-150°	17.0	0.3
150°-160°	8.3	0.2
160°-170°	2.9	0.1
170°-180°	0.5	0.0
0°-30°	1676.2	34.2
0°-40°	2475.0	50.5
0°-60°	3752.9	76.6
0°-90°	4559.6	93.1
90°-120°	245.6	5.0
90°-150°	328.6	6.7
90°-180°	340.0	6.9
0°-180°	4900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	2207	2187	2140	2138	2128	209
15°	2081	2067	2226	2423	2426	587
25°	1813	2149	2121	1540	1302	832
35°	1457	2044	1077	830	804	911
45°	1122	1375	682	673	688	862
55°	747	813	512	572	593	667
65°	385	438	343	381	393	387
75°	148	207	242	271	284	161
85°	22	88	171	217	232	29
90°	1	61	143	192	205	1
95°	1	47	120	163	174	1
105°	2	33	79	112	125	1
115°	2	28	58	83	94	2
125°	2	24	50	63	67	2
135°	3	19	41	52	55	2
145°	3	14	29	40	44	2
155°	4	8	18	27	31	2
165°	4	5	10	14	16	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2204.8	2204.8	2204.8	2204.8	2204.8
1°	2219.7	2213.0	2190.5	2202.5	2196.5
2°	2219.0	2207.8	2182.3	2195.8	2188.3
3°	2215.2	2203.3	2170.3	2178.6	2167.4
4°	2211.5	2197.3	2157.6	2157.6	2144.9
5°	2207.0	2186.8	2139.7	2138.2	2127.7
6°	2201.8	2178.6	2124.0	2122.5	2116.5
7°	2194.3	2164.4	2106.8	2117.2	2112.7
8°	2185.3	2150.9	2097.8	2124.0	2130.7
9°	2177.1	2134.4	2087.3	2144.9	2150.1
10°	2163.6	2119.5	2094.0	2186.8	2202.5
11°	2152.4	2106.8	2109.0	2228.0	2275.1
12°	2141.2	2093.3	2123.2	2279.6	2337.2
13°	2122.5	2082.8	2154.6	2335.7	2394.8
14°	2106.0	2074.6	2185.3	2392.5	2427.7
15°	2080.6	2067.1	2226.5	2423.2	2425.5
16°	2063.4	2061.9	2274.3	2425.5	2383.6
17°	2043.9	2059.6	2313.2	2386.6	2337.2
18°	2022.2	2064.1	2345.4	2337.9	2281.1
19°	1997.5	2068.6	2358.9	2270.6	2197.3
20°	1970.6	2075.3	2351.4	2200.3	2082.1
21°	1943.7	2084.3	2337.2	2126.2	1930.9
22.5°	1893.5	2106.0	2269.8	1918.2	1681.1
23°	1879.3	2110.5	2254.1	1853.1	1616.0
24°	1844.2	2129.2	2182.3	1701.3	1443.9
25°	1812.7	2149.4	2121.0	1540.4	1302.5
26°	1777.6	2164.4	2028.2	1392.3	1215.7
27°	1743.2	2173.3	1922.7	1277.1	1118.5
28°	1703.5	2183.1	1808.2	1177.6	1045.1
29°	1666.1	2184.6	1695.3	1098.3	987.5
30°	1625.7	2177.1	1576.3	1034.7	951.6
32.5°	1537.4	2135.9	1285.3	913.5	861.9
35°	1456.6	2043.9	1077.3	829.7	804.2
37.5°	1375.1	1898.8	931.4	777.3	769.1
40°	1295.0	1726.7	821.5	735.4	736.9
42.5°	1210.5	1549.4	745.9	701.0	707.7
45°	1122.2	1375.1	681.6	673.3	687.5
47.5°	1024.2	1215.7	630.7	655.4	677.1
50°	931.4	1057.9	591.0	638.2	660.6
52.5°	843.1	928.4	555.1	609.0	635.2
55°	747.4	813.2	511.7	571.6	593.3
57.5°	656.1	709.2	466.1	525.2	544.6
60°	555.9	606.7	419.7	475.1	493.8
62.5°	465.3	519.2	380.1	424.9	439.9
65°	385.3	438.4	342.6	380.8	392.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	314.2	371.1	312.0	344.1	355.4
70°	247.6	307.5	285.0	314.2	326.2
72.5°	193.8	254.4	262.6	289.5	301.5
75°	148.1	207.2	241.6	270.8	283.5
77.5°	110.0	169.1	222.2	255.9	269.3
80°	72.6	134.7	205.0	242.4	258.1
82.5°	45.6	108.5	187.8	228.9	245.4
85°	22.4	88.3	171.3	217.0	231.9
87.5°	7.5	73.3	156.4	205.0	217.7
90°	0.7	61.3	142.9	192.3	205.0
92.5°	0.7	53.1	131.7	177.3	190.0
95°	0.7	47.1	120.4	163.1	174.3
97.5°	0.7	42.6	110.0	148.1	160.1
100°	0.7	38.2	98.8	133.9	146.6
102.5°	1.5	35.2	89.0	121.9	135.4
105°	1.5	32.9	79.3	111.5	124.9
107.5°	1.5	31.4	71.1	103.2	116.0
110°	1.5	29.9	65.1	95.8	109.2
112.5°	1.5	29.2	61.3	89.0	101.7
115°	1.5	28.4	58.4	83.0	93.5
117.5°	2.2	27.7	56.1	77.1	85.3
120°	2.2	26.2	54.6	71.8	78.6
122.5°	2.2	24.7	52.4	67.3	72.6
125°	2.2	23.9	50.1	62.8	67.3
127.5°	2.2	22.4	47.9	59.1	63.6
130°	3.0	20.9	45.6	56.1	59.9
132.5°	3.0	19.5	43.4	54.6	57.6
135°	3.0	18.7	41.1	52.4	55.4
137.5°	3.0	17.2	38.9	50.1	53.1
140°	3.0	15.7	35.9	47.1	50.1
142.5°	3.0	15.0	32.9	44.1	47.1
145°	3.0	13.5	29.2	40.4	44.1
147.5°	3.7	12.7	26.2	37.4	40.4
150°	3.7	11.2	23.2	34.4	37.4
152.5°	3.7	9.7	20.2	30.7	33.7
155°	3.7	8.2	18.0	26.9	30.7
157.5°	3.7	7.5	15.7	22.4	26.9
160°	3.7	6.7	13.5	19.5	23.2
162.5°	3.7	6.0	12.0	16.5	20.2
165°	3.7	5.2	9.7	13.5	16.5
167.5°	4.5	5.2	8.2	10.5	13.5
170°	4.5	5.2	6.7	8.2	10.5
172.5°	4.5	4.5	5.2	6.0	6.7
175°	4.5	4.5	4.5	4.5	3.7
177.5°	4.5	4.5	4.5	3.7	3.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)