

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: P566793

Luminaire Tested: **4SNX-74HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566793  
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-SLW-UNV-L850-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

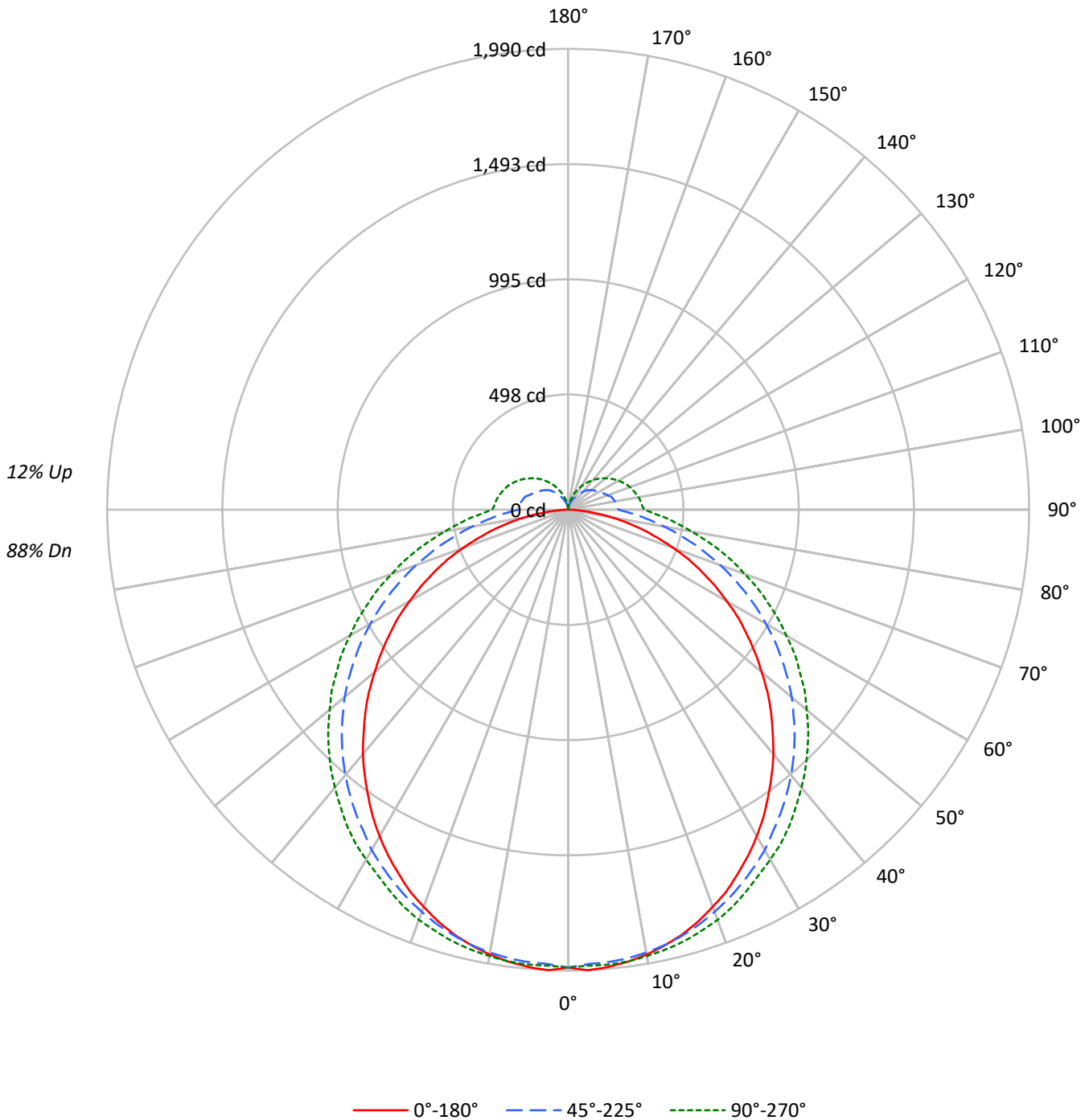
Lumens per Lamp: N/A  
Luminaire Lumens: 7118.0 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	21281	21281	21281
5°	21377	20739	20708
10°	21239	20330	20213
15°	21046	19888	19746
20°	20745	19405	19259
25°	20389	18921	18703
30°	20001	18435	18193
35°	19514	17890	17753
40°	19040	17392	17213
45°	18468	16841	16702
50°	17807	16254	16117
55°	17173	15568	15532
60°	16440	14824	14861
65°	15545	13977	14145
70°	14408	13020	13322
75°	12796	11919	12566
80°	10549	10826	11611
85°	7297	9852	10988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.7	2.6
10°-20°	539.9	7.6
20°-30°	821.4	11.5
30°-40°	998.7	14.0
40°-50°	1056.6	14.8
50°-60°	990.4	13.9
60°-70°	814.8	11.4
70°-80°	563.8	7.9
80°-90°	313.5	4.4
90°-100°	206.5	2.9
100°-110°	185.2	2.6
110°-120°	153.3	2.2
120°-130°	118.5	1.7
130°-140°	83.9	1.2
140°-150°	50.6	0.7
150°-160°	24.3	0.3
160°-170°	8.0	0.1
170°-180°	1.0	0.0
0°-30°	1549.0	21.8
0°-40°	2547.7	35.8
0°-60°	4594.7	64.6
0°-90°	6286.7	88.3
90°-120°	545.0	7.7
90°-150°	798.0	11.2
90°-180°	831.0	11.7
0°-180°	7118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1977	1977	1977	1977	1977	
5°	1982	1978	1961	1977	1972	188
15°	1899	1905	1904	1930	1930	535
25°	1733	1758	1778	1817	1819	799
35°	1507	1547	1599	1650	1665	943
45°	1238	1303	1382	1444	1462	955
55°	942	1026	1125	1196	1220	843
65°	638	729	842	925	951	632
75°	332	428	553	641	676	352
85°	73	182	307	392	427	84
90°	1	102	217	299	328	5
95°	1	98	211	289	317	1
105°	1	84	198	272	296	1
115°	2	73	167	241	268	2
125°	2	62	143	206	232	2
135°	2	49	120	169	190	2
145°	2	35	83	128	144	2
155°	4	24	51	82	95	2
165°	4	16	28	38	49	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1977.1	1977.1	1977.1	1977.1	1977.1
2.5°	1990.5	1984.4	1963.7	1977.1	1971.0
5°	1982.0	1978.3	1961.3	1977.1	1972.2
7.5°	1968.6	1967.4	1953.9	1972.2	1967.4
10°	1950.3	1952.7	1941.8	1961.3	1957.6
12.5°	1927.1	1930.8	1925.9	1947.9	1945.4
15°	1899.1	1905.2	1904.0	1929.6	1929.6
17.5°	1865.0	1873.5	1878.4	1907.6	1907.6
20°	1824.7	1838.1	1847.9	1879.6	1884.5
22.5°	1784.5	1800.4	1815.0	1847.9	1855.2
25°	1733.3	1757.7	1778.4	1817.4	1818.6
27.5°	1683.3	1710.2	1738.2	1776.0	1779.6
30°	1628.5	1662.6	1696.8	1733.3	1744.3
32.5°	1570.0	1607.8	1645.6	1694.3	1708.9
35°	1506.6	1546.8	1599.2	1650.4	1665.1
37.5°	1443.2	1488.3	1549.3	1601.7	1615.1
40°	1378.6	1428.6	1496.8	1550.5	1566.3
42.5°	1306.7	1367.6	1440.8	1498.1	1516.3
45°	1238.4	1303.0	1382.3	1444.4	1461.5
47.5°	1166.5	1234.8	1320.1	1385.9	1405.4
50°	1089.7	1167.7	1259.2	1325.0	1343.3
52.5°	1017.8	1097.0	1193.3	1261.6	1287.2
55°	942.2	1026.3	1125.1	1195.8	1220.1
57.5°	871.5	952.0	1058.0	1128.7	1159.2
60°	791.1	880.1	986.1	1062.9	1087.3
62.5°	715.5	805.7	915.4	994.6	1022.7
65°	637.5	728.9	842.3	925.2	950.8
67.5°	564.4	654.6	770.4	852.0	884.9
70°	483.9	579.0	697.2	781.3	809.4
72.5°	404.7	503.4	624.1	714.3	746.0
75°	331.5	427.8	553.4	641.2	676.5
77.5°	260.9	358.4	485.1	575.3	605.8
80°	190.2	292.5	421.7	510.7	540.0
82.5°	125.5	232.8	360.8	449.8	481.5
85°	73.1	181.6	307.2	392.5	426.6
87.5°	31.7	137.7	257.2	341.3	369.3
90°	1.2	102.4	217.0	298.6	327.9
92.5°	1.2	100.0	212.1	292.5	320.6
95°	1.2	97.5	210.9	288.9	316.9
97.5°	1.2	96.3	208.4	286.4	313.3
100°	1.2	92.6	204.8	281.6	308.4
102.5°	1.2	87.8	201.1	276.7	302.3
105°	1.2	84.1	197.5	271.8	296.2
107.5°	1.2	80.4	191.4	265.7	290.1
110°	1.2	76.8	181.6	259.6	284.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	75.6	174.3	251.1	276.7
115°	2.4	73.1	167.0	241.3	268.2
117.5°	2.4	71.9	160.9	231.6	259.6
120°	2.4	68.3	154.8	223.1	249.9
122.5°	2.4	64.6	148.7	214.5	241.3
125°	2.4	62.2	142.6	206.0	231.6
127.5°	2.4	58.5	137.7	197.5	220.6
130°	2.4	56.1	131.6	187.7	210.9
132.5°	2.4	52.4	125.5	178.0	199.9
135°	2.4	48.8	119.5	169.4	190.2
137.5°	2.4	43.9	112.1	159.7	179.2
140°	2.4	40.2	102.4	149.9	168.2
142.5°	2.4	37.8	92.6	139.0	156.0
145°	2.4	35.3	82.9	128.0	143.8
147.5°	2.4	32.9	74.4	117.0	131.6
150°	2.4	29.3	65.8	107.3	119.5
152.5°	3.7	26.8	58.5	95.1	107.3
155°	3.7	24.4	51.2	81.7	95.1
157.5°	3.7	21.9	43.9	68.3	82.9
160°	3.7	19.5	37.8	56.1	70.7
162.5°	3.7	18.3	32.9	46.3	59.7
165°	3.7	15.8	28.0	37.8	48.8
167.5°	3.7	12.2	23.2	29.3	40.2
170°	3.7	9.8	18.3	20.7	30.5
172.5°	3.7	7.3	13.4	14.6	15.8
175°	3.7	6.1	8.5	8.5	4.9
177.5°	3.7	4.9	4.9	4.9	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)