

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: P567349

Luminaire Tested: **8SNX-134SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-134SL-FDL-UNV-L850-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

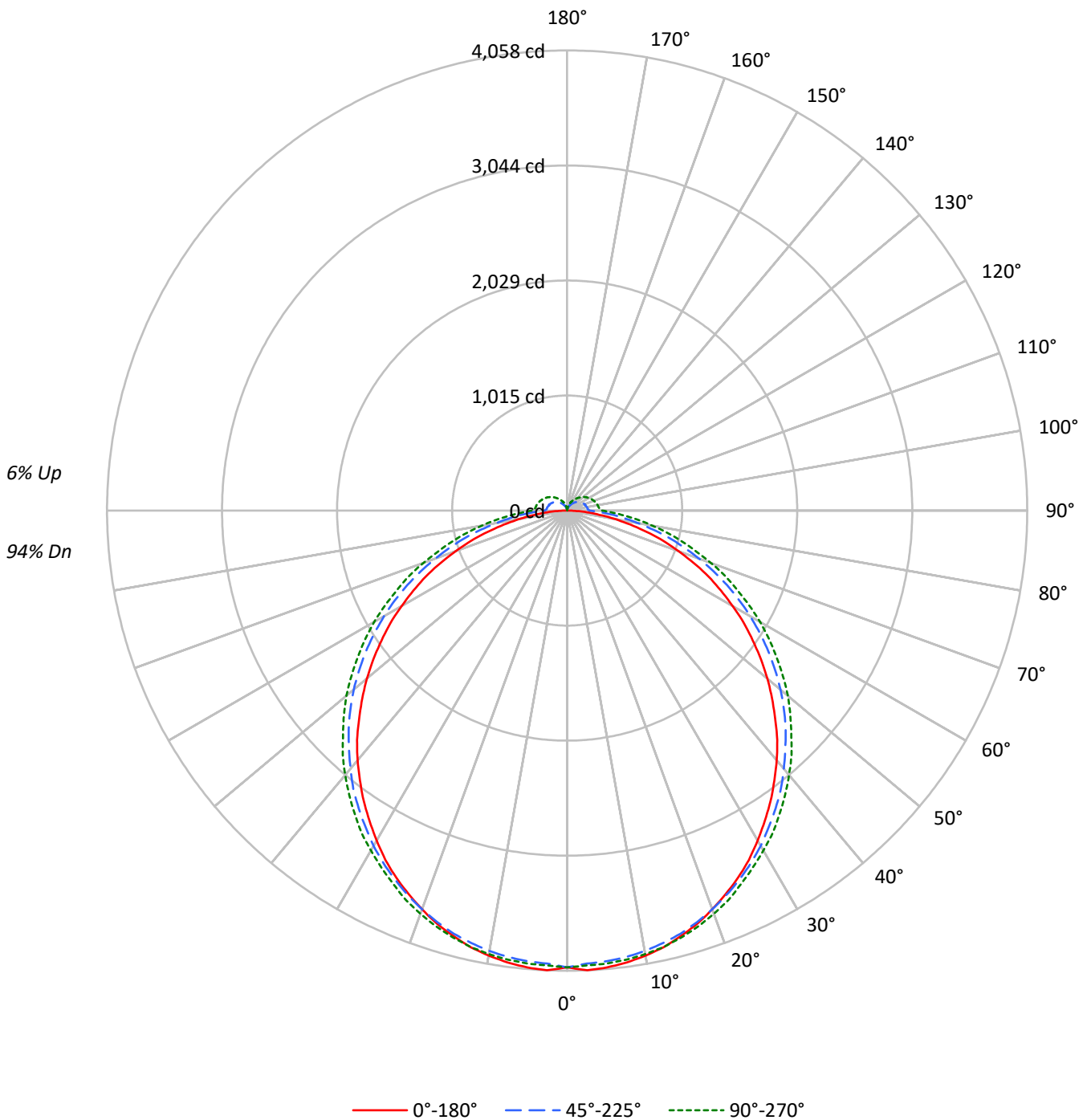
Lumens per Lamp: N/A  
Luminaire Lumens: 12801.0 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 95.8  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

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

	0°	45°	90°
0°	21680	21680	21680
5°	21838	21328	21353
10°	21759	21104	21085
15°	21606	20844	20784
20°	21395	20527	20430
25°	21150	20179	20010
30°	20815	19825	19623
35°	20479	19408	19219
40°	20107	18947	18765
45°	19636	18492	18235
50°	19184	17972	17751
55°	18622	17327	17078
60°	17992	16589	16416
65°	17330	15709	15504
70°	16178	14601	14558
75°	14797	13296	13426
80°	12761	11563	12171
85°	10304	10078	10696



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.0	3.0
10°-20°	1096.2	8.6
20°-30°	1661.3	13.0
30°-40°	2005.5	15.7
40°-50°	2094.2	16.4
50°-60°	1923.9	15.0
60°-70°	1521.4	11.9
70°-80°	962.9	7.5
80°-90°	413.9	3.2
90°-100°	182.2	1.4
100°-110°	163.1	1.3
110°-120°	137.7	1.1
120°-130°	107.3	0.8
130°-140°	74.3	0.6
140°-150°	44.6	0.3
150°-160°	21.8	0.2
160°-170°	7.5	0.1
170°-180°	1.1	0.0
0°-30°	3139.5	24.5
0°-40°	5145.0	40.2
0°-60°	9163.2	71.6
0°-90°	12061.4	94.2
90°-120°	482.9	3.8
90°-150°	709.2	5.5
90°-180°	740.0	5.8
0°-180°	12801.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4028	4028	4028	4028	4028	
5°	4044	4033	3990	4024	4010	384
15°	3883	3883	3863	3904	3897	1096
25°	3570	3586	3591	3638	3632	1644
35°	3128	3165	3205	3255	3267	1956
45°	2593	2657	2725	2777	2795	2003
55°	1999	2081	2167	2237	2253	1789
65°	1376	1453	1555	1628	1653	1355
75°	725	812	929	1009	1047	769
85°	177	272	390	474	503	195
90°	11	98	200	279	308	15
95°	2	84	181	254	281	2
105°	2	77	170	238	263	2
115°	2	66	154	215	238	3
125°	4	59	129	186	206	4
135°	4	45	104	147	166	3
145°	4	34	72	111	122	3
155°	4	23	48	70	84	2
165°	7	16	25	34	48	2
175°	7	9	11	11	7	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4028.2	4028.2	4028.2	4028.2	4028.2
2.5°	4057.7	4044.1	3998.8	4030.5	4014.6
5°	4044.1	4032.8	3989.7	4023.7	4010.1
7.5°	4019.2	4010.1	3971.6	4007.8	3994.2
10°	3985.2	3978.4	3944.4	3980.6	3971.6
12.5°	3942.1	3939.8	3905.8	3946.6	3939.8
15°	3883.2	3883.2	3862.8	3903.6	3896.8
17.5°	3819.7	3821.9	3806.1	3849.2	3844.6
20°	3742.6	3753.9	3742.6	3787.9	3783.4
22.5°	3658.7	3674.6	3670.1	3715.4	3717.7
25°	3570.3	3586.2	3590.7	3638.3	3631.5
27.5°	3472.8	3497.8	3506.9	3549.9	3547.7
30°	3359.5	3393.5	3413.9	3450.2	3461.5
32.5°	3243.9	3284.7	3309.6	3359.5	3373.1
35°	3128.3	3164.6	3205.4	3255.2	3266.6
37.5°	3001.3	3042.1	3096.5	3144.2	3157.8
40°	2874.4	2919.7	2971.9	3024.0	3044.4
42.5°	2742.9	2790.5	2847.2	2908.4	2928.8
45°	2593.3	2656.8	2724.8	2776.9	2795.1
47.5°	2450.5	2520.8	2593.3	2650.0	2670.4
50°	2305.4	2380.2	2457.3	2509.4	2541.2
52.5°	2153.5	2235.1	2312.2	2378.0	2398.4
55°	1999.4	2081.0	2167.1	2237.4	2253.3
57.5°	1849.8	1929.1	2015.3	2081.0	2112.7
60°	1686.6	1772.7	1865.6	1931.4	1965.4
62.5°	1527.9	1611.7	1711.5	1781.8	1809.0
65°	1376.0	1453.1	1555.1	1627.6	1652.6
67.5°	1208.2	1296.7	1394.1	1478.0	1509.7
70°	1042.8	1126.6	1237.7	1317.1	1348.8
72.5°	888.6	970.2	1081.3	1160.6	1190.1
75°	725.4	811.5	929.4	1008.8	1047.3
77.5°	569.0	664.2	777.5	863.7	906.7
80°	423.9	507.8	630.2	725.4	763.9
82.5°	287.9	378.6	505.5	593.9	637.0
85°	176.8	272.0	389.9	473.8	503.2
87.5°	83.9	174.5	283.4	365.0	401.2
90°	11.3	97.5	199.5	278.8	308.3
92.5°	2.3	83.9	183.6	258.4	285.6
95°	2.3	83.9	181.3	253.9	281.1
97.5°	2.3	81.6	179.1	251.6	276.6
100°	2.3	79.3	176.8	247.1	274.3
102.5°	2.3	79.3	172.3	242.6	267.5
105°	2.3	77.1	170.0	238.0	263.0
107.5°	2.3	74.8	165.5	233.5	258.4
110°	2.3	70.3	163.2	226.7	251.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	68.0	158.7	222.2	244.8
115°	2.3	65.7	154.1	215.4	238.0
117.5°	2.3	63.5	147.3	208.6	231.2
120°	4.5	63.5	142.8	201.8	222.2
122.5°	4.5	61.2	136.0	192.7	213.1
125°	4.5	58.9	129.2	185.9	206.3
127.5°	4.5	56.7	122.4	176.8	195.0
130°	4.5	52.1	117.9	167.7	185.9
132.5°	4.5	49.9	111.1	156.4	174.5
135°	4.5	45.3	104.3	147.3	165.5
137.5°	4.5	43.1	97.5	138.3	154.1
140°	4.5	40.8	88.4	129.2	145.1
142.5°	4.5	36.3	81.6	120.1	133.7
145°	4.5	34.0	72.5	111.1	122.4
147.5°	4.5	29.5	65.7	102.0	113.3
150°	4.5	27.2	58.9	92.9	104.3
152.5°	4.5	24.9	52.1	81.6	92.9
155°	4.5	22.7	47.6	70.3	83.9
157.5°	4.5	20.4	40.8	61.2	74.8
160°	6.8	18.1	36.3	52.1	63.5
162.5°	6.8	15.9	29.5	43.1	56.7
165°	6.8	15.9	24.9	34.0	47.6
167.5°	6.8	13.6	20.4	27.2	38.5
170°	6.8	11.3	18.1	20.4	29.5
172.5°	6.8	9.1	13.6	13.6	15.9
175°	6.8	9.1	11.3	11.3	6.8
177.5°	6.8	6.8	6.8	6.8	4.5
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)