

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: P567352

Luminaire Tested: **8SNX-134SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567352  
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-L940-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

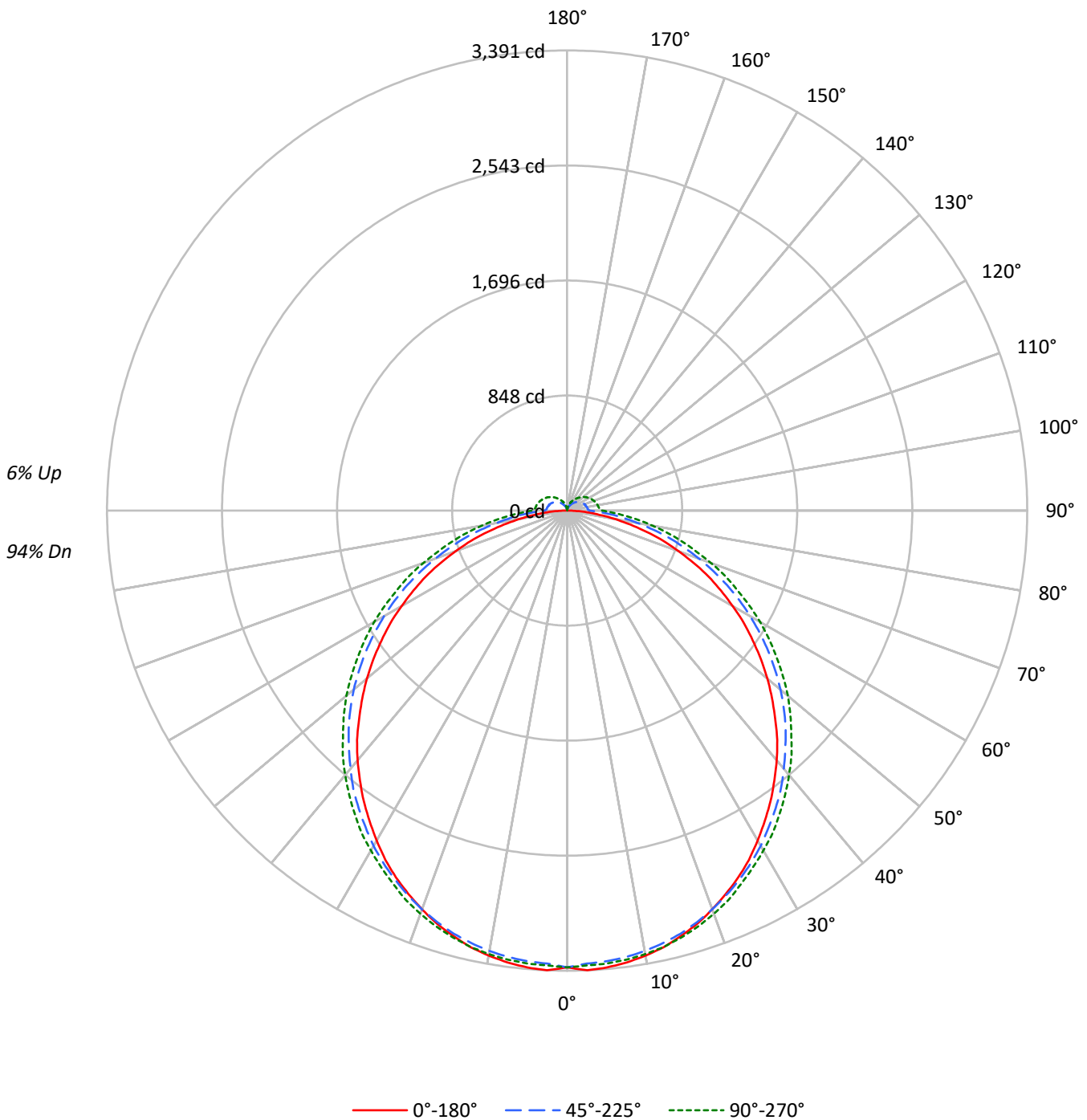
Lumens per Lamp: N/A  
Luminaire Lumens: 10697.0 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

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°	18116	18116	18116
5°	18249	17822	17844
10°	18183	17635	17619
15°	18055	17418	17368
20°	17878	17154	17072
25°	17674	16862	16721
30°	17394	16566	16398
35°	17113	16218	16060
40°	16802	15833	15680
45°	16409	15452	15238
50°	16031	15018	14833
55°	15562	14479	14271
60°	15034	13863	13718
65°	14481	13127	12955
70°	13519	12201	12165
75°	12365	11111	11220
80°	10663	9662	10172
85°	8614	8421	8938



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.2	3.0
10°-20°	916.1	8.6
20°-30°	1388.2	13.0
30°-40°	1675.9	15.7
40°-50°	1750.0	16.4
50°-60°	1607.7	15.0
60°-70°	1271.4	11.9
70°-80°	804.6	7.5
80°-90°	345.9	3.2
90°-100°	152.2	1.4
100°-110°	136.3	1.3
110°-120°	115.1	1.1
120°-130°	89.7	0.8
130°-140°	62.1	0.6
140°-150°	37.3	0.3
150°-160°	18.2	0.2
160°-170°	6.3	0.1
170°-180°	0.9	0.0
0°-30°	2623.5	24.5
0°-40°	4299.4	40.2
0°-60°	7657.1	71.6
0°-90°	10079.0	94.2
90°-120°	403.5	3.8
90°-150°	592.6	5.5
90°-180°	618.0	5.8
0°-180°	10697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3366	3366	3366	3366	3366	
5°	3379	3370	3334	3362	3351	321
15°	3245	3245	3228	3262	3256	915
25°	2984	2997	3000	3040	3035	1374
35°	2614	2644	2678	2720	2730	1634
45°	2167	2220	2277	2320	2336	1674
55°	1671	1739	1811	1870	1883	1495
65°	1150	1214	1300	1360	1381	1132
75°	606	678	777	843	875	643
85°	148	227	326	396	420	163
90°	10	82	167	233	258	12
95°	2	70	152	212	235	2
105°	2	64	142	199	220	2
115°	2	55	129	180	199	2
125°	4	49	108	155	172	3
135°	4	38	87	123	138	3
145°	4	28	61	93	102	2
155°	4	19	40	59	70	2
165°	6	13	21	28	40	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3366.1	3366.1	3366.1	3366.1	3366.1
2.5°	3390.8	3379.4	3341.5	3368.0	3354.8
5°	3379.4	3369.9	3333.9	3362.4	3351.0
7.5°	3358.6	3351.0	3318.8	3349.1	3337.7
10°	3330.2	3324.5	3296.1	3326.4	3318.8
12.5°	3294.2	3292.3	3263.9	3298.0	3292.3
15°	3244.9	3244.9	3227.9	3262.0	3256.3
17.5°	3191.9	3193.8	3180.5	3216.5	3212.7
20°	3127.5	3136.9	3127.5	3165.4	3161.6
22.5°	3057.4	3070.6	3066.8	3104.7	3106.6
25°	2983.5	2996.8	3000.5	3040.3	3034.6
27.5°	2902.0	2922.9	2930.5	2966.5	2964.6
30°	2807.3	2835.7	2852.8	2883.1	2892.6
32.5°	2710.7	2744.8	2765.7	2807.3	2818.7
35°	2614.1	2644.4	2678.5	2720.2	2729.7
37.5°	2508.0	2542.1	2587.6	2627.4	2638.7
40°	2402.0	2439.8	2483.4	2527.0	2544.0
42.5°	2292.1	2331.9	2379.2	2430.4	2447.4
45°	2167.1	2220.1	2276.9	2320.5	2335.7
47.5°	2047.7	2106.4	2167.1	2214.4	2231.5
50°	1926.5	1989.0	2053.4	2097.0	2123.5
52.5°	1799.6	1867.8	1932.2	1987.1	2004.2
55°	1670.8	1739.0	1810.9	1869.7	1882.9
57.5°	1545.7	1612.0	1684.0	1739.0	1765.5
60°	1409.3	1481.3	1559.0	1613.9	1642.3
62.5°	1276.7	1346.8	1430.2	1488.9	1511.6
65°	1149.8	1214.2	1299.5	1360.1	1380.9
67.5°	1009.7	1083.5	1165.0	1235.1	1261.6
70°	871.4	941.5	1034.3	1100.6	1127.1
72.5°	742.6	810.8	903.6	969.9	994.5
75°	606.2	678.2	776.7	843.0	875.2
77.5°	475.5	555.0	649.7	721.7	757.7
80°	354.2	424.3	526.6	606.2	638.4
82.5°	240.6	316.3	422.4	496.3	532.3
85°	147.8	227.3	325.8	395.9	420.5
87.5°	70.1	145.9	236.8	305.0	335.3
90°	9.5	81.5	166.7	233.0	257.6
92.5°	1.9	70.1	153.4	215.9	238.7
95°	1.9	70.1	151.5	212.2	234.9
97.5°	1.9	68.2	149.6	210.3	231.1
100°	1.9	66.3	147.8	206.5	229.2
102.5°	1.9	66.3	144.0	202.7	223.5
105°	1.9	64.4	142.1	198.9	219.7
107.5°	1.9	62.5	138.3	195.1	215.9
110°	1.9	58.7	136.4	189.4	210.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	56.8	132.6	185.6	204.6
115°	1.9	54.9	128.8	180.0	198.9
117.5°	1.9	53.0	123.1	174.3	193.2
120°	3.8	53.0	119.3	168.6	185.6
122.5°	3.8	51.1	113.7	161.0	178.1
125°	3.8	49.3	108.0	155.3	172.4
127.5°	3.8	47.4	102.3	147.8	162.9
130°	3.8	43.6	98.5	140.2	155.3
132.5°	3.8	41.7	92.8	130.7	145.9
135°	3.8	37.9	87.1	123.1	138.3
137.5°	3.8	36.0	81.5	115.6	128.8
140°	3.8	34.1	73.9	108.0	121.2
142.5°	3.8	30.3	68.2	100.4	111.8
145°	3.8	28.4	60.6	92.8	102.3
147.5°	3.8	24.6	54.9	85.2	94.7
150°	3.8	22.7	49.3	77.7	87.1
152.5°	3.8	20.8	43.6	68.2	77.7
155°	3.8	18.9	39.8	58.7	70.1
157.5°	3.8	17.0	34.1	51.1	62.5
160°	5.7	15.2	30.3	43.6	53.0
162.5°	5.7	13.3	24.6	36.0	47.4
165°	5.7	13.3	20.8	28.4	39.8
167.5°	5.7	11.4	17.0	22.7	32.2
170°	5.7	9.5	15.2	17.0	24.6
172.5°	5.7	7.6	11.4	11.4	13.3
175°	5.7	7.6	9.5	9.5	5.7
177.5°	5.7	5.7	5.7	5.7	3.8
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)