

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: P567348

Luminaire Tested: **8SNX-134SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567348  
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-L840-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

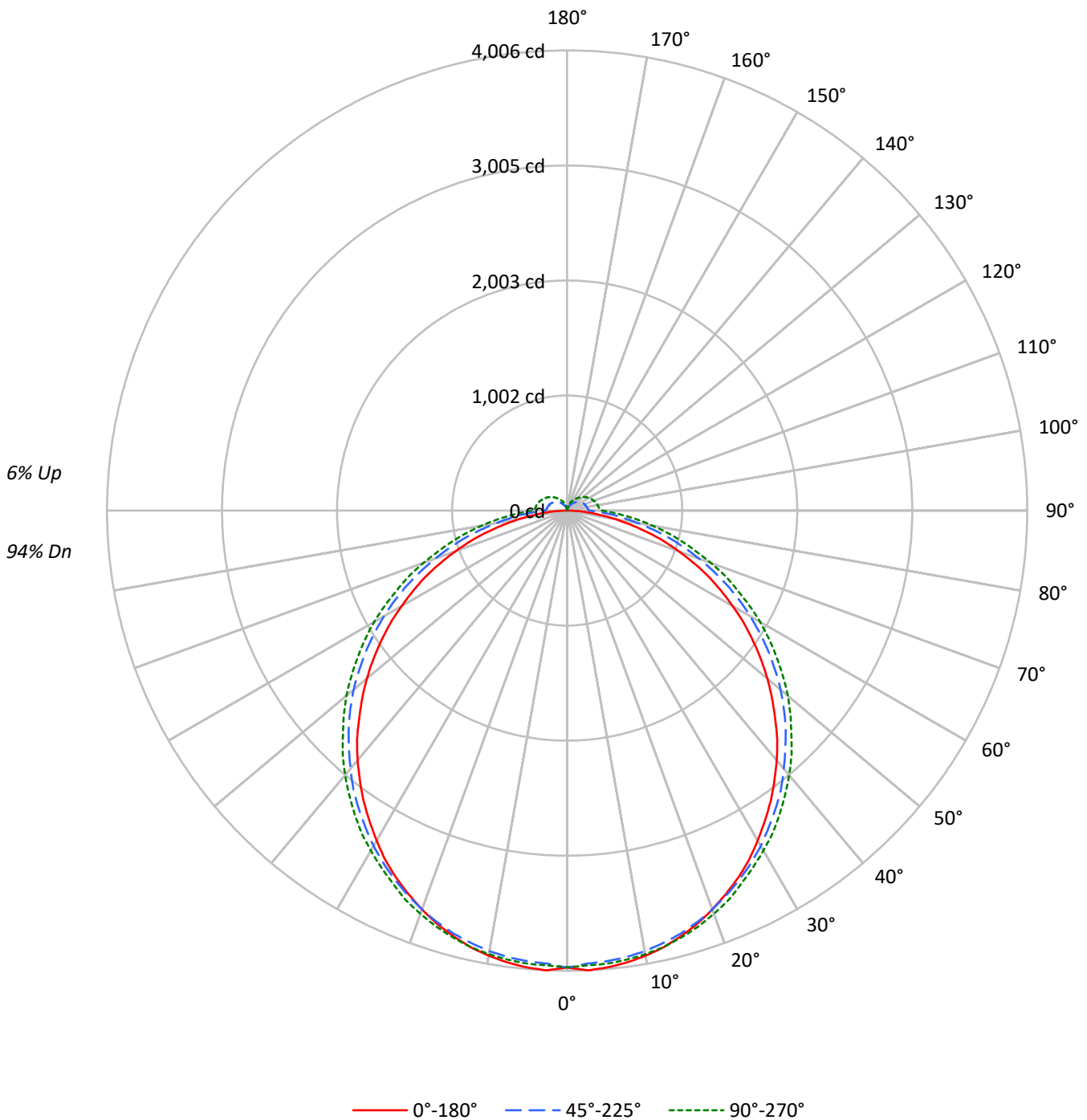
Lumens per Lamp: N/A  
Luminaire Lumens: 12639.0 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

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°	21406	21406	21406
5°	21562	21058	21083
10°	21483	20836	20818
15°	21333	20580	20521
20°	21124	20267	20171
25°	20883	19924	19757
30°	20552	19574	19375
35°	20220	19163	18976
40°	19852	18708	18527
45°	19388	18258	18004
50°	18941	17744	17526
55°	18387	17108	16862
60°	17764	16379	16208
65°	17110	15510	15307
70°	15973	14416	14373
75°	14609	13128	13256
80°	12599	11416	12018
85°	10176	9951	10562



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.2	3.0
10°-20°	1082.4	8.6
20°-30°	1640.3	13.0
30°-40°	1980.1	15.7
40°-50°	2067.7	16.4
50°-60°	1899.6	15.0
60°-70°	1502.2	11.9
70°-80°	950.7	7.5
80°-90°	408.7	3.2
90°-100°	179.9	1.4
100°-110°	161.0	1.3
110°-120°	136.0	1.1
120°-130°	106.0	0.8
130°-140°	73.4	0.6
140°-150°	44.0	0.3
150°-160°	21.5	0.2
160°-170°	7.4	0.1
170°-180°	1.1	0.0
0°-30°	3099.8	24.5
0°-40°	5079.9	40.2
0°-60°	9047.3	71.6
0°-90°	11908.8	94.2
90°-120°	476.8	3.8
90°-150°	700.2	5.5
90°-180°	730.0	5.8
0°-180°	12639.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3977	3977	3977	3977	3977	
5°	3993	3982	3939	3973	3959	379
15°	3834	3834	3814	3854	3847	1082
25°	3525	3541	3545	3592	3586	1623
35°	3089	3124	3165	3214	3225	1931
45°	2560	2623	2690	2742	2760	1978
55°	1974	2055	2140	2209	2225	1766
65°	1359	1435	1535	1607	1632	1338
75°	716	801	918	996	1034	759
85°	175	269	385	468	497	193
90°	11	96	197	275	304	15
95°	2	83	179	251	278	2
105°	2	76	168	235	260	2
115°	2	65	152	213	235	2
125°	4	58	128	184	204	4
135°	4	45	103	146	163	3
145°	4	34	72	110	121	3
155°	4	22	47	69	83	2
165°	7	16	25	34	47	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°	3977.3	3977.3	3977.3	3977.3	3977.3
2.5°	4006.4	3992.9	3948.2	3979.5	3963.8
5°	3992.9	3981.7	3939.2	3972.8	3959.3
7.5°	3968.3	3959.3	3921.3	3957.1	3943.7
10°	3934.7	3928.0	3894.4	3930.3	3921.3
12.5°	3892.2	3890.0	3856.4	3896.7	3890.0
15°	3834.0	3834.0	3813.9	3854.2	3847.4
17.5°	3771.3	3773.6	3757.9	3800.4	3796.0
20°	3695.2	3706.4	3695.2	3740.0	3735.5
22.5°	3612.4	3628.1	3623.6	3668.4	3670.6
25°	3525.1	3540.8	3545.3	3592.3	3585.6
27.5°	3428.9	3453.5	3462.5	3505.0	3502.8
30°	3317.0	3350.6	3370.7	3406.5	3417.7
32.5°	3202.8	3243.1	3267.8	3317.0	3330.4
35°	3088.7	3124.5	3164.8	3214.0	3225.2
37.5°	2963.4	3003.6	3057.4	3104.4	3117.8
40°	2838.0	2882.8	2934.3	2985.7	3005.9
42.5°	2708.2	2755.2	2811.2	2871.6	2891.7
45°	2560.5	2623.2	2690.3	2741.8	2759.7
47.5°	2419.5	2488.9	2560.5	2616.4	2636.6
50°	2276.2	2350.1	2426.2	2477.7	2509.0
52.5°	2126.3	2206.9	2282.9	2347.9	2368.0
55°	1974.1	2054.7	2139.7	2209.1	2224.8
57.5°	1826.4	1904.7	1989.7	2054.7	2086.0
60°	1665.2	1750.3	1842.0	1906.9	1940.5
62.5°	1508.5	1591.3	1689.8	1759.2	1786.1
65°	1358.6	1434.7	1535.4	1607.0	1631.6
67.5°	1193.0	1280.2	1376.5	1459.3	1490.6
70°	1029.6	1112.4	1222.0	1300.4	1331.7
72.5°	877.4	957.9	1067.6	1146.0	1175.0
75°	716.2	801.3	917.7	996.0	1034.0
77.5°	561.8	655.8	767.7	852.7	895.3
80°	418.5	501.4	622.2	716.2	754.3
82.5°	284.2	373.8	499.1	586.4	628.9
85°	174.6	268.6	385.0	467.8	496.9
87.5°	82.8	172.3	279.8	360.3	396.2
90°	11.2	96.2	197.0	275.3	304.4
92.5°	2.2	82.8	181.3	255.2	282.0
95°	2.2	82.8	179.1	250.7	277.5
97.5°	2.2	80.6	176.8	248.4	273.1
100°	2.2	78.3	174.6	244.0	270.8
102.5°	2.2	78.3	170.1	239.5	264.1
105°	2.2	76.1	167.9	235.0	259.6
107.5°	2.2	73.9	163.4	230.5	255.2
110°	2.2	69.4	161.1	223.8	248.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	67.1	156.7	219.3	241.7
115°	2.2	64.9	152.2	212.6	235.0
117.5°	2.2	62.7	145.5	205.9	228.3
120°	4.5	62.7	141.0	199.2	219.3
122.5°	4.5	60.4	134.3	190.2	210.4
125°	4.5	58.2	127.6	183.5	203.7
127.5°	4.5	56.0	120.9	174.6	192.5
130°	4.5	51.5	116.4	165.6	183.5
132.5°	4.5	49.2	109.7	154.4	172.3
135°	4.5	44.8	103.0	145.5	163.4
137.5°	4.5	42.5	96.2	136.5	152.2
140°	4.5	40.3	87.3	127.6	143.2
142.5°	4.5	35.8	80.6	118.6	132.1
145°	4.5	33.6	71.6	109.7	120.9
147.5°	4.5	29.1	64.9	100.7	111.9
150°	4.5	26.9	58.2	91.8	103.0
152.5°	4.5	24.6	51.5	80.6	91.8
155°	4.5	22.4	47.0	69.4	82.8
157.5°	4.5	20.1	40.3	60.4	73.9
160°	6.7	17.9	35.8	51.5	62.7
162.5°	6.7	15.7	29.1	42.5	56.0
165°	6.7	15.7	24.6	33.6	47.0
167.5°	6.7	13.4	20.1	26.9	38.0
170°	6.7	11.2	17.9	20.1	29.1
172.5°	6.7	9.0	13.4	13.4	15.7
175°	6.7	9.0	11.2	11.2	6.7
177.5°	6.7	6.7	6.7	6.7	4.5
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)