

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: P567347

Luminaire Tested: **8SNX-134SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567347  
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-L835-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

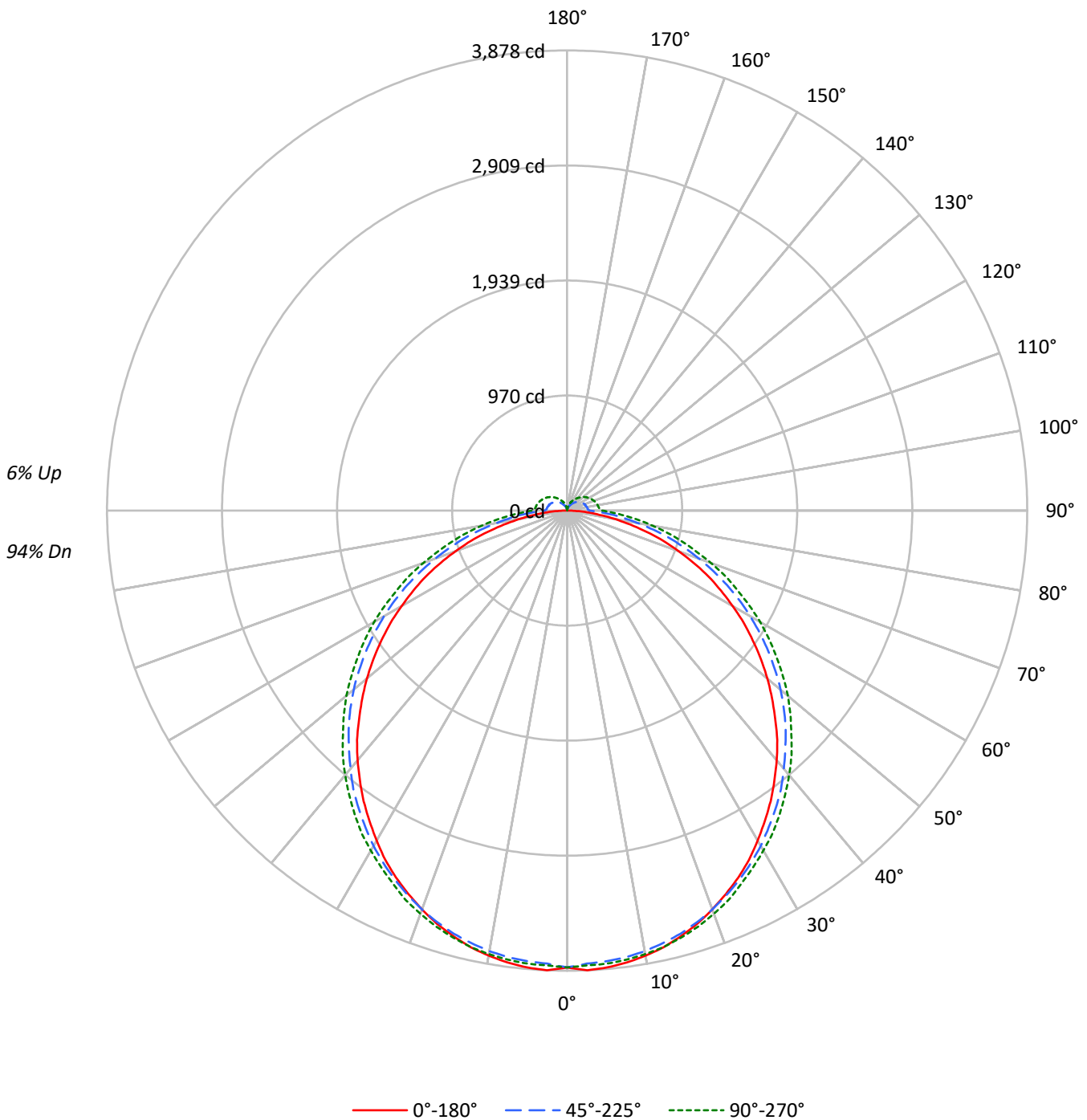
Lumens per Lamp: N/A  
Luminaire Lumens: 12235.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 95.8  
Input Voltage (V): NR  
Input Current (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	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°	20721	20721	20721
5°	20873	20385	20409
10°	20797	20171	20153
15°	20651	19922	19865
20°	20449	19619	19526
25°	20215	19287	19126
30°	19895	18948	18756
35°	19573	18550	18369
40°	19218	18110	17935
45°	18767	17674	17429
50°	18336	17177	16966
55°	17799	16561	16322
60°	17196	15855	15691
65°	16564	15014	14818
70°	15463	13955	13915
75°	14142	12708	12833
80°	12198	11051	11634
85°	9850	9633	10224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.1	3.0
10°-20°	1047.8	8.6
20°-30°	1587.8	13.0
30°-40°	1916.8	15.7
40°-50°	2001.6	16.4
50°-60°	1838.9	15.0
60°-70°	1454.2	11.9
70°-80°	920.3	7.5
80°-90°	395.6	3.2
90°-100°	174.1	1.4
100°-110°	155.9	1.3
110°-120°	131.6	1.1
120°-130°	102.6	0.8
130°-140°	71.0	0.6
140°-150°	42.6	0.3
150°-160°	20.8	0.2
160°-170°	7.2	0.1
170°-180°	1.1	0.0
0°-30°	3000.7	24.5
0°-40°	4917.5	40.2
0°-60°	8758.0	71.6
0°-90°	11528.1	94.2
90°-120°	461.6	3.8
90°-150°	677.8	5.5
90°-180°	707.0	5.8
0°-180°	12235.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3850	3850	3850	3850	3850	
5°	3865	3854	3813	3846	3833	367
15°	3712	3712	3692	3731	3724	1047
25°	3412	3428	3432	3478	3471	1571
35°	2990	3025	3064	3111	3122	1869
45°	2479	2539	2604	2654	2672	1914
55°	1911	1989	2071	2138	2154	1710
65°	1315	1389	1486	1556	1580	1295
75°	693	776	888	964	1001	735
85°	169	260	373	453	481	187
90°	11	93	191	266	295	14
95°	2	80	173	243	269	2
105°	2	74	162	228	251	2
115°	2	63	147	206	228	2
125°	4	56	124	178	197	4
135°	4	43	100	141	158	3
145°	4	32	69	106	117	3
155°	4	22	46	67	80	2
165°	6	15	24	32	46	2
175°	6	9	11	11	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3850.1	3850.1	3850.1	3850.1	3850.1
2.5°	3878.3	3865.3	3822.0	3852.3	3837.1
5°	3865.3	3854.5	3813.3	3845.8	3832.8
7.5°	3841.5	3832.8	3796.0	3830.6	3817.6
10°	3809.0	3802.5	3770.0	3804.6	3796.0
12.5°	3767.8	3765.6	3733.1	3772.1	3765.6
15°	3711.5	3711.5	3692.0	3731.0	3724.5
17.5°	3650.8	3653.0	3637.8	3679.0	3674.6
20°	3577.1	3588.0	3577.1	3620.5	3616.1
22.5°	3497.0	3512.1	3507.8	3551.1	3553.3
25°	3412.5	3427.6	3432.0	3477.5	3471.0
27.5°	3319.3	3343.1	3351.8	3393.0	3390.8
30°	3211.0	3243.5	3263.0	3297.6	3308.5
32.5°	3100.5	3139.5	3163.3	3211.0	3224.0
35°	2990.0	3024.6	3063.6	3111.3	3122.1
37.5°	2868.6	2907.6	2959.6	3005.1	3018.1
40°	2747.3	2790.6	2840.5	2890.3	2909.8
42.5°	2621.6	2667.1	2721.3	2779.8	2799.3
45°	2478.6	2539.3	2604.3	2654.1	2671.5
47.5°	2342.1	2409.3	2478.6	2532.8	2552.3
50°	2203.5	2275.0	2348.6	2398.5	2428.8
52.5°	2058.3	2136.3	2210.0	2272.8	2292.3
55°	1911.0	1989.0	2071.3	2138.5	2153.6
57.5°	1768.0	1843.8	1926.1	1989.0	2019.3
60°	1612.0	1694.3	1783.1	1846.0	1878.5
62.5°	1460.3	1540.5	1635.8	1703.0	1729.0
65°	1315.2	1388.8	1486.3	1555.6	1579.5
67.5°	1154.8	1239.3	1332.5	1412.7	1443.0
70°	996.7	1076.8	1183.0	1258.8	1289.2
72.5°	849.3	927.3	1033.5	1109.3	1137.5
75°	693.3	775.7	888.3	964.2	1001.0
77.5°	543.8	634.8	743.2	825.5	866.7
80°	405.2	485.3	602.3	693.3	730.2
82.5°	275.2	361.8	483.2	567.7	608.8
85°	169.0	260.0	372.7	452.8	481.0
87.5°	80.2	166.8	270.8	348.8	383.5
90°	10.8	93.2	190.7	266.5	294.7
92.5°	2.2	80.2	175.5	247.0	273.0
95°	2.2	80.2	173.3	242.7	268.7
97.5°	2.2	78.0	171.2	240.5	264.3
100°	2.2	75.8	169.0	236.2	262.2
102.5°	2.2	75.8	164.7	231.8	255.7
105°	2.2	73.7	162.5	227.5	251.3
107.5°	2.2	71.5	158.2	223.2	247.0
110°	2.2	67.2	156.0	216.7	240.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	65.0	151.7	212.3	234.0
115°	2.2	62.8	147.3	205.8	227.5
117.5°	2.2	60.7	140.8	199.3	221.0
120°	4.3	60.7	136.5	192.8	212.3
122.5°	4.3	58.5	130.0	184.2	203.7
125°	4.3	56.3	123.5	177.7	197.2
127.5°	4.3	54.2	117.0	169.0	186.3
130°	4.3	49.8	112.7	160.3	177.7
132.5°	4.3	47.7	106.2	149.5	166.8
135°	4.3	43.3	99.7	140.8	158.2
137.5°	4.3	41.2	93.2	132.2	147.3
140°	4.3	39.0	84.5	123.5	138.7
142.5°	4.3	34.7	78.0	114.8	127.8
145°	4.3	32.5	69.3	106.2	117.0
147.5°	4.3	28.2	62.8	97.5	108.3
150°	4.3	26.0	56.3	88.8	99.7
152.5°	4.3	23.8	49.8	78.0	88.8
155°	4.3	21.7	45.5	67.2	80.2
157.5°	4.3	19.5	39.0	58.5	71.5
160°	6.5	17.3	34.7	49.8	60.7
162.5°	6.5	15.2	28.2	41.2	54.2
165°	6.5	15.2	23.8	32.5	45.5
167.5°	6.5	13.0	19.5	26.0	36.8
170°	6.5	10.8	17.3	19.5	28.2
172.5°	6.5	8.7	13.0	13.0	15.2
175°	6.5	8.7	10.8	10.8	6.5
177.5°	6.5	6.5	6.5	6.5	4.3
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)