

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: P567370

Luminaire Tested: **8SNX-134SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-134SL-LW-UNV-L830-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

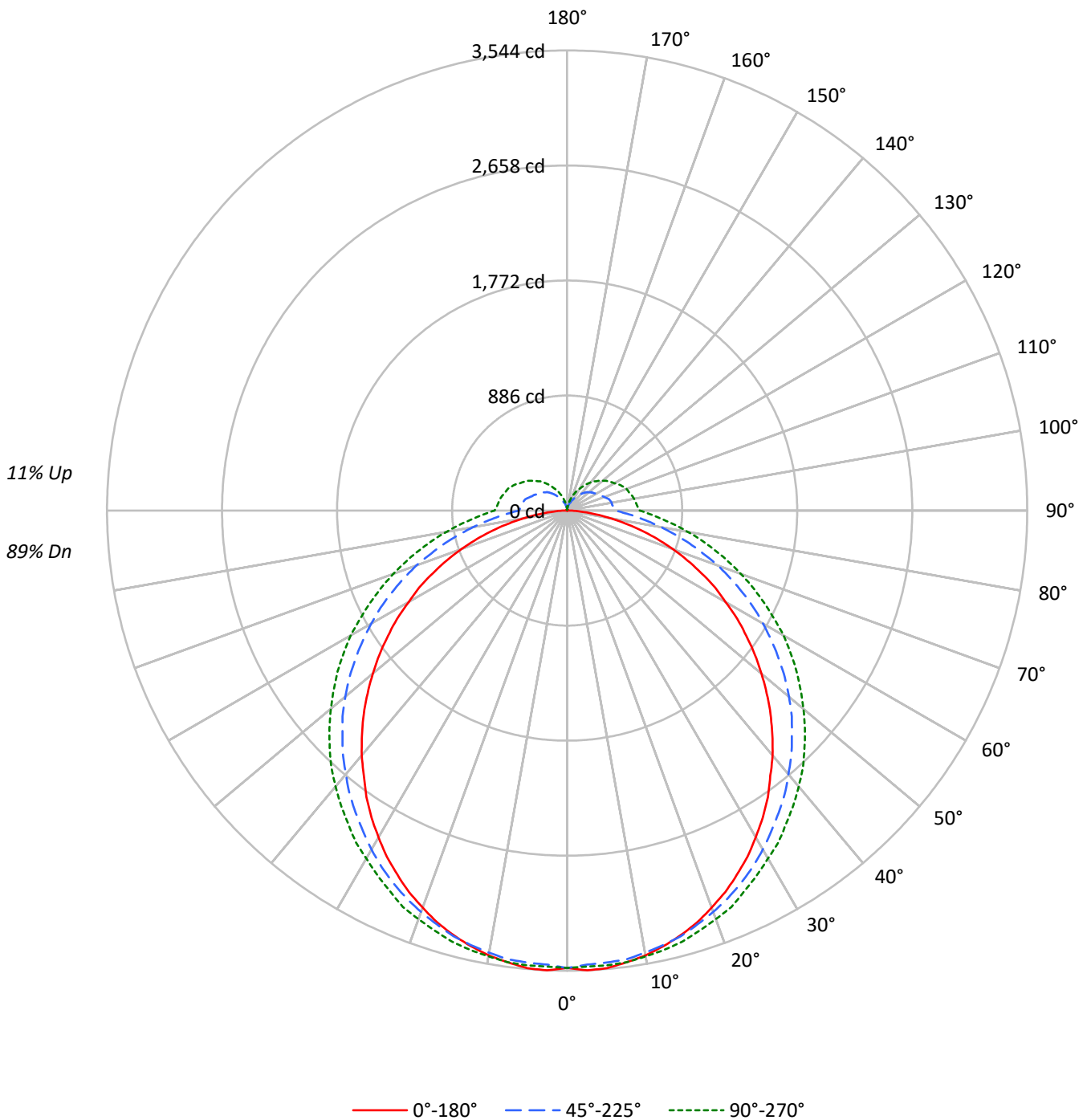
Lumens per Lamp: N/A  
Luminaire Lumens: 12540.0 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

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

	0°	45°	90°
0°	18958	18958	18958
5°	19074	18104	17945
10°	18943	17401	17048
15°	18753	16720	16240
20°	18495	16011	15432
25°	18196	15329	14641
30°	17840	14626	13884
35°	17449	13920	13176
40°	17001	13229	12500
45°	16516	12535	11808
50°	15962	11821	11081
55°	15354	11021	10368
60°	14638	10186	9615
65°	13900	9283	8756
70°	12864	8318	7910
75°	11492	7191	7014
80°	9261	6052	6121
85°	6519	4993	5203



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.6	2.7
10°-20°	961.7	7.7
20°-30°	1462.3	11.7
30°-40°	1775.0	14.2
40°-50°	1875.7	15.0
50°-60°	1755.2	14.0
60°-70°	1440.2	11.5
70°-80°	990.6	7.9
80°-90°	542.5	4.3
90°-100°	349.3	2.8
100°-110°	313.5	2.5
110°-120°	259.4	2.1
120°-130°	199.8	1.6
130°-140°	140.4	1.1
140°-150°	84.6	0.7
150°-160°	40.5	0.3
160°-170°	13.3	0.1
170°-180°	1.6	0.0
0°-30°	2758.5	22.0
0°-40°	4533.6	36.2
0°-60°	8164.5	65.1
0°-90°	11137.7	88.8
90°-120°	922.2	7.4
90°-150°	1347.0	10.7
90°-180°	1402.0	11.2
0°-180°	12540.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3522	3522	3522	3522	3522	
5°	3537	3530	3494	3522	3515	335
15°	3384	3399	3392	3435	3435	954
25°	3094	3130	3167	3232	3232	1426
35°	2694	2760	2840	2920	2942	1683
45°	2215	2317	2448	2556	2586	1707
55°	1685	1823	1990	2114	2157	1508
65°	1140	1293	1489	1627	1670	1129
75°	596	755	973	1126	1177	627
85°	131	312	530	676	726	151
90°	0	174	370	508	559	9
95°	0	167	356	487	538	0
105°	0	138	334	458	501	5
115°	7	124	283	407	458	7
125°	7	102	240	349	392	7
135°	7	80	196	283	320	6
145°	7	58	138	218	240	5
155°	7	36	87	138	160	3
165°	7	22	44	65	80	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3522.5	3522.5	3522.5	3522.5	3522.5
2.5°	3544.3	3537.0	3500.7	3529.8	3515.3
5°	3537.0	3529.8	3493.5	3522.5	3515.3
7.5°	3508.0	3508.0	3486.2	3515.3	3508.0
10°	3478.9	3478.9	3457.1	3493.5	3486.2
12.5°	3435.4	3442.6	3428.1	3471.7	3464.4
15°	3384.5	3399.0	3391.8	3435.4	3435.4
17.5°	3326.4	3340.9	3340.9	3391.8	3391.8
20°	3253.8	3275.6	3290.1	3348.2	3348.2
22.5°	3181.2	3210.2	3232.0	3282.8	3304.6
25°	3094.0	3130.3	3166.6	3232.0	3232.0
27.5°	3006.8	3050.4	3094.0	3159.4	3166.6
30°	2905.2	2956.0	3014.1	3079.5	3094.0
32.5°	2803.5	2868.9	2927.0	3006.8	3028.6
35°	2694.5	2759.9	2839.8	2919.7	2941.5
37.5°	2571.1	2651.0	2752.6	2839.8	2861.6
40°	2462.1	2549.3	2651.0	2752.6	2774.4
42.5°	2338.7	2433.1	2556.5	2651.0	2687.3
45°	2215.2	2316.9	2447.6	2556.5	2585.6
47.5°	2084.5	2200.7	2345.9	2447.6	2483.9
50°	1953.7	2077.2	2229.7	2345.9	2375.0
52.5°	1823.0	1953.7	2113.5	2229.7	2266.0
55°	1685.0	1823.0	1990.0	2113.5	2157.1
57.5°	1554.3	1692.3	1866.6	1997.3	2040.9
60°	1409.0	1568.8	1743.1	1873.8	1924.7
62.5°	1285.5	1430.8	1619.6	1750.4	1793.9
65°	1140.3	1292.8	1488.9	1626.9	1670.5
67.5°	1002.3	1162.1	1358.2	1503.4	1547.0
70°	864.3	1024.1	1234.7	1372.7	1423.5
72.5°	726.3	893.3	1096.7	1249.2	1300.1
75°	595.6	755.3	973.2	1125.8	1176.6
77.5°	457.6	631.9	849.8	1002.3	1060.4
80°	334.1	515.7	733.6	886.1	944.2
82.5°	225.2	406.7	624.6	777.1	835.2
85°	130.7	312.3	530.2	675.5	726.3
87.5°	65.4	239.7	443.0	588.3	639.1
90°	0.0	174.3	370.4	508.4	559.2
92.5°	0.0	167.0	363.1	493.9	544.7
95°	0.0	167.0	355.9	486.6	537.5
97.5°	0.0	159.8	348.6	486.6	530.2
100°	0.0	152.5	348.6	479.4	522.9
102.5°	0.0	145.3	341.4	472.1	515.7
105°	0.0	138.0	334.1	457.6	501.1
107.5°	7.3	138.0	319.6	450.3	493.9
110°	7.3	130.7	305.0	443.0	486.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	7.3	123.5	290.5	428.5	472.1
115°	7.3	123.5	283.3	406.7	457.6
117.5°	7.3	116.2	268.7	392.2	443.0
120°	7.3	116.2	261.5	377.7	421.2
122.5°	7.3	108.9	246.9	363.1	406.7
125°	7.3	101.7	239.7	348.6	392.2
127.5°	7.3	94.4	232.4	334.1	377.7
130°	7.3	87.2	217.9	319.6	355.9
132.5°	7.3	87.2	210.6	297.8	341.4
135°	7.3	79.9	196.1	283.3	319.6
137.5°	7.3	72.6	181.6	268.7	305.0
140°	7.3	65.4	167.0	254.2	283.3
142.5°	7.3	65.4	152.5	232.4	261.5
145°	7.3	58.1	138.0	217.9	239.7
147.5°	7.3	50.8	123.5	196.1	217.9
150°	7.3	50.8	108.9	174.3	196.1
152.5°	7.3	43.6	94.4	159.8	181.6
155°	7.3	36.3	87.2	138.0	159.8
157.5°	7.3	36.3	72.6	116.2	138.0
160°	7.3	29.1	65.4	94.4	116.2
162.5°	7.3	29.1	58.1	79.9	101.7
165°	7.3	21.8	43.6	65.4	79.9
167.5°	7.3	21.8	36.3	50.8	65.4
170°	7.3	14.5	29.1	36.3	50.8
172.5°	7.3	14.5	21.8	21.8	21.8
175°	7.3	7.3	14.5	14.5	7.3
177.5°	7.3	7.3	7.3	7.3	7.3
180°	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)