

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: P567362

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-134SL-LN-UNV-L830-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

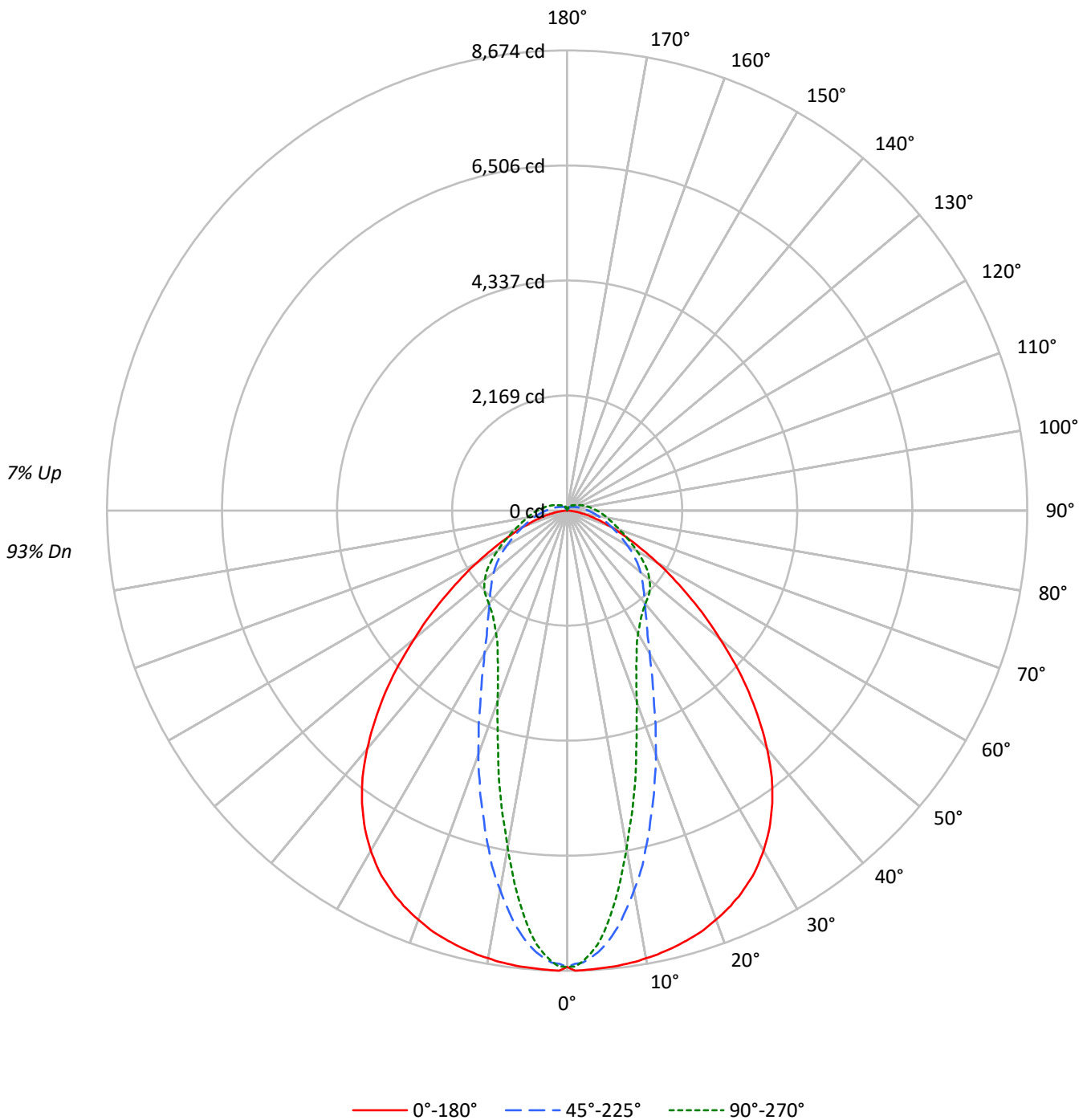
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13713.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46299	46299	46299
5°	46624	42606	40722
10°	46645	36572	31595
15°	46710	29866	23680
20°	46652	23817	17721
25°	46324	18683	14064
30°	45456	15136	11997
35°	43654	12823	10913
40°	40493	11332	10329
45°	36116	10380	10010
50°	30709	9563	9456
55°	25343	8677	8636
60°	20383	7643	7575
65°	15945	6721	6592
70°	12516	5956	5831
75°	9846	5363	5313
80°	7171	4921	4939
85°	4299	4603	4737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.8	5.6
10°-20°	1785.7	13.0
20°-30°	2119.7	15.5
30°-40°	2132.6	15.6
40°-50°	1982.3	14.5
50°-60°	1632.3	11.9
60°-70°	1150.2	8.4
70°-80°	751.5	5.5
80°-90°	479.7	3.5
90°-100°	314.6	2.3
100°-110°	213.6	1.6
110°-120°	146.4	1.1
120°-130°	101.3	0.7
130°-140°	68.1	0.5
140°-150°	42.0	0.3
150°-160°	21.8	0.2
160°-170°	7.9	0.1
170°-180°	1.4	0.0
0°-30°	4667.2	34.0
0°-40°	6799.8	49.6
0°-60°	10414.5	75.9
0°-90°	12795.9	93.3
90°-120°	674.7	4.9
90°-150°	886.1	6.5
90°-180°	917.0	6.7
0°-180°	13713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8603	8603	8603	8603	8603	
5°	8646	8531	8222	8064	7977	823
15°	8430	7532	6058	5297	5009	2381
25°	7877	5821	3859	3241	3105	3625
35°	6741	3938	2616	2451	2436	4192
45°	4844	2594	2027	2134	2192	3719
55°	2781	1703	1567	1739	1797	2512
65°	1308	1028	1078	1215	1258	1327
75°	510	532	726	855	891	552
85°	86	244	489	632	661	108
90°	0	165	395	539	561	5
95°	0	122	331	453	474	0
105°	0	86	223	316	345	0
115°	7	72	158	230	244	6
125°	7	58	129	165	180	6
135°	7	50	101	129	136	6
145°	7	36	72	101	108	5
155°	7	29	50	72	79	3
165°	7	14	29	36	43	2
175°	14	14	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°	8602.6	8602.6	8602.6	8602.6	8602.6
1°	8674.4	8638.5	8545.1	8609.8	8595.4
2°	8667.3	8631.3	8523.5	8552.3	8502.0
3°	8660.1	8609.8	8444.5	8437.3	8365.4
4°	8652.9	8573.8	8343.9	8257.6	8200.1
5°	8645.7	8530.7	8221.7	8063.6	7977.3
6°	8638.5	8480.4	8063.6	7826.4	7704.2
7°	8624.1	8401.3	7898.3	7574.9	7416.8
8°	8609.8	8329.5	7689.9	7301.8	7107.7
9°	8595.4	8236.0	7481.4	7007.1	6777.1
10°	8566.6	8142.6	7265.8	6705.3	6460.9
11°	8552.3	8034.8	7057.4	6417.8	6130.3
12°	8523.5	7919.8	6834.6	6115.9	5864.4
13°	8494.8	7797.7	6561.5	5857.2	5555.4
14°	8466.0	7668.3	6324.4	5569.8	5289.5
15°	8430.1	7531.7	6058.5	5296.7	5009.2
16°	8394.2	7373.6	5821.3	5016.4	4714.5
17°	8358.2	7222.7	5598.5	4757.6	4484.6
18°	8315.1	7071.8	5339.8	4506.1	4240.2
19°	8257.6	6899.3	5131.4	4276.1	4031.8
20°	8207.3	6741.2	4894.2	4060.5	3844.9
21°	8149.8	6547.2	4657.0	3859.3	3643.7
22.5°	8063.6	6274.1	4355.2	3607.8	3406.5
23°	8020.4	6195.0	4233.0	3514.3	3341.9
24°	7963.0	5986.6	4031.8	3370.6	3198.1
25°	7876.7	5821.3	3859.3	3241.2	3104.7
26°	7797.7	5620.1	3686.8	3126.2	2989.7
27°	7718.6	5426.0	3535.9	3004.1	2889.1
28°	7618.0	5224.8	3370.6	2903.5	2802.8
29°	7510.2	5037.9	3234.1	2817.2	2738.2
30°	7402.4	4829.5	3119.1	2738.2	2673.5
32.5°	7100.5	4369.6	2824.4	2587.2	2544.1
35°	6741.2	3938.4	2616.0	2450.7	2436.3
37.5°	6338.7	3543.1	2429.1	2342.9	2357.3
40°	5864.4	3183.7	2271.0	2263.8	2292.6
42.5°	5361.3	2874.7	2148.8	2199.2	2242.3
45°	4843.9	2594.4	2026.7	2134.5	2192.0
47.5°	4304.9	2350.1	1918.9	2055.4	2120.1
50°	3758.7	2112.9	1803.9	1962.0	2026.7
52.5°	3270.0	1904.5	1688.9	1854.2	1926.1
55°	2781.3	1703.3	1566.7	1739.2	1796.7
57.5°	2357.3	1516.4	1437.4	1609.8	1653.0
60°	1962.0	1336.7	1308.0	1466.1	1516.4
62.5°	1602.7	1178.6	1185.8	1336.7	1387.0
65°	1308.0	1027.7	1078.0	1214.6	1257.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1063.6	884.0	970.2	1114.0	1149.9
70°	840.9	754.6	884.0	1013.3	1049.3
72.5°	668.4	639.6	797.7	934.3	963.0
75°	510.3	531.8	725.9	855.2	891.2
77.5°	366.5	445.6	654.0	790.5	819.3
80°	258.7	366.5	596.5	733.1	761.8
82.5°	165.3	301.8	539.0	682.7	711.5
85°	86.2	244.4	488.7	632.4	661.2
87.5°	35.9	201.2	438.4	582.1	610.9
90°	0.0	165.3	395.3	539.0	560.6
92.5°	0.0	143.7	359.3	495.9	517.4
95°	0.0	122.2	330.6	452.8	474.3
97.5°	0.0	115.0	294.7	416.8	438.4
100°	0.0	100.6	265.9	380.9	409.6
102.5°	0.0	93.4	244.4	345.0	373.7
105°	0.0	86.2	222.8	316.2	345.0
107.5°	0.0	79.1	208.4	294.7	316.2
110°	0.0	79.1	186.9	273.1	294.7
112.5°	7.2	71.9	172.5	244.4	265.9
115°	7.2	71.9	158.1	230.0	244.4
117.5°	7.2	71.9	150.9	208.4	222.8
120°	7.2	64.7	143.7	194.0	208.4
122.5°	7.2	64.7	136.5	179.7	186.9
125°	7.2	57.5	129.4	165.3	179.7
127.5°	7.2	57.5	122.2	158.1	165.3
130°	7.2	57.5	115.0	143.7	158.1
132.5°	7.2	50.3	107.8	136.5	143.7
135°	7.2	50.3	100.6	129.4	136.5
137.5°	7.2	43.1	93.4	122.2	129.4
140°	7.2	43.1	86.2	115.0	122.2
142.5°	7.2	35.9	79.1	107.8	115.0
145°	7.2	35.9	71.9	100.6	107.8
147.5°	7.2	35.9	64.7	93.4	100.6
150°	7.2	28.7	57.5	86.2	93.4
152.5°	7.2	28.7	50.3	79.1	86.2
155°	7.2	28.7	50.3	71.9	79.1
157.5°	7.2	21.6	43.1	57.5	71.9
160°	7.2	21.6	35.9	50.3	64.7
162.5°	7.2	21.6	35.9	43.1	50.3
165°	7.2	14.4	28.7	35.9	43.1
167.5°	7.2	14.4	21.6	28.7	35.9
170°	7.2	14.4	21.6	21.6	28.7
172.5°	7.2	14.4	14.4	14.4	14.4
175°	14.4	14.4	14.4	14.4	7.2
177.5°	14.4	14.4	14.4	7.2	7.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)