

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: P567378

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567378
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-SLW-UNV-L830-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

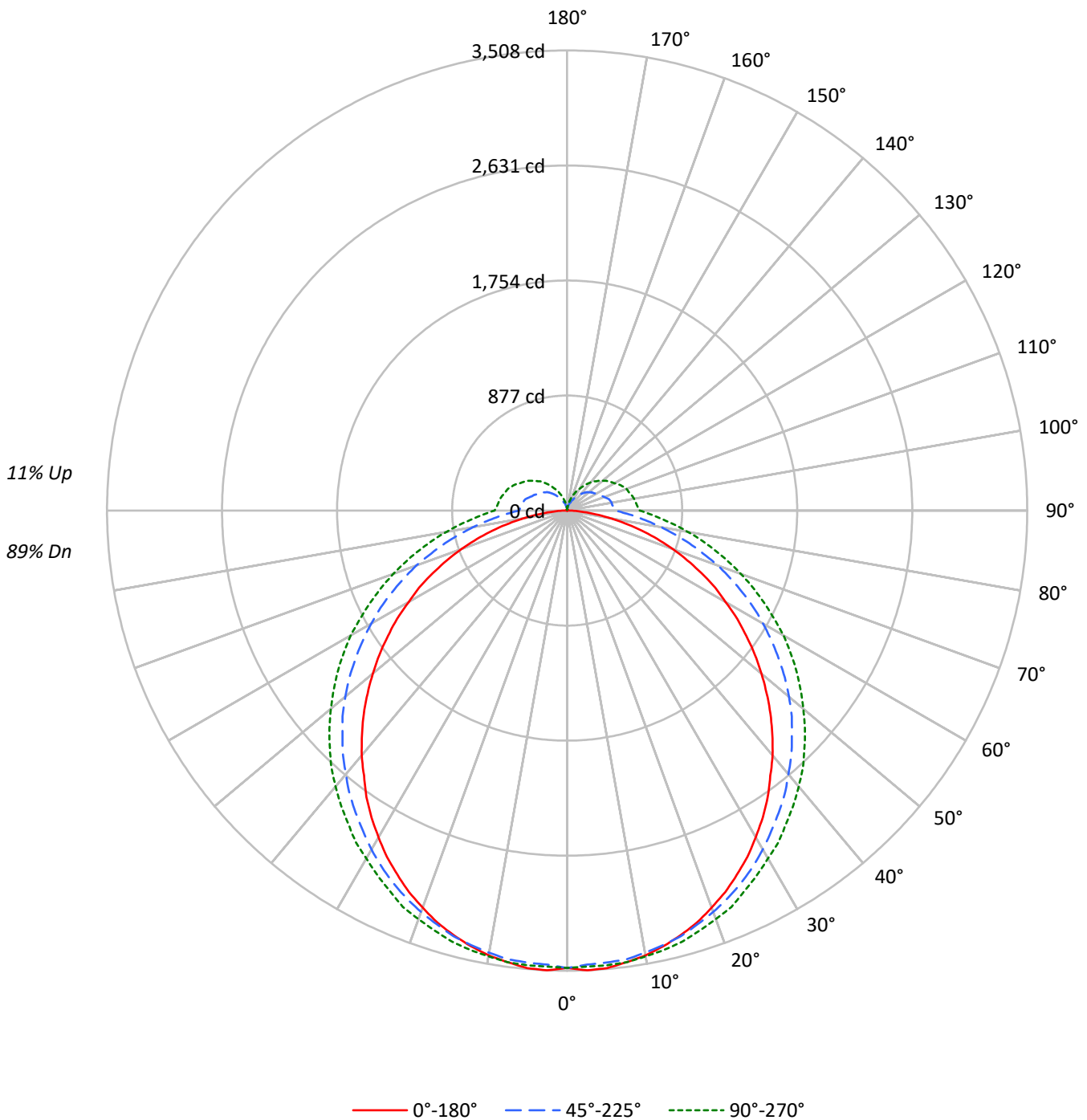
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12412.0 lumens
Efficiency: N/A
Efficacy: 129.6 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: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 95.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	18765	18765	18765
5°	18897	18293	18267
10°	18784	17935	17815
15°	18614	17566	17398
20°	18376	17141	16934
25°	18098	16724	16450
30°	17764	16266	15970
35°	17396	15791	15521
40°	16974	15322	15089
45°	16517	14845	14624
50°	15994	14341	14102
55°	15421	13734	13590
60°	14746	13084	13019
65°	14060	12354	12299
70°	13089	11549	11595
75°	11801	10523	10816
80°	9680	9484	10047
85°	7143	8602	9259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	2.7
10°-20°	951.9	7.7
20°-30°	1447.3	11.7
30°-40°	1756.9	14.2
40°-50°	1856.6	15.0
50°-60°	1737.3	14.0
60°-70°	1425.5	11.5
70°-80°	980.4	7.9
80°-90°	536.9	4.3
90°-100°	345.7	2.8
100°-110°	310.3	2.5
110°-120°	256.8	2.1
120°-130°	197.7	1.6
130°-140°	139.0	1.1
140°-150°	83.7	0.7
150°-160°	40.1	0.3
160°-170°	13.2	0.1
170°-180°	1.6	0.0
0°-30°	2730.4	22.0
0°-40°	4487.3	36.2
0°-60°	8081.1	65.1
0°-90°	11024.0	88.8
90°-120°	912.8	7.4
90°-150°	1333.2	10.7
90°-180°	1388.0	11.2
0°-180°	12412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3487	3487	3487	3487	3487	
5°	3501	3494	3458	3487	3479	332
15°	3350	3364	3357	3400	3400	945
25°	3062	3098	3134	3199	3199	1411
35°	2667	2732	2811	2890	2912	1666
45°	2193	2293	2423	2530	2559	1690
55°	1668	1804	1970	2092	2135	1492
65°	1129	1280	1474	1610	1653	1118
75°	590	748	963	1114	1165	621
85°	129	309	525	669	719	150
90°	0	172	367	503	554	9
95°	0	165	352	482	532	0
105°	0	137	331	453	496	5
115°	7	122	280	403	453	7
125°	7	101	237	345	388	6
135°	7	79	194	280	316	6
145°	7	58	137	216	237	5
155°	7	36	86	137	158	3
165°	7	22	43	65	79	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°	3486.6	3486.6	3486.6	3486.6	3486.6
2.5°	3508.1	3500.9	3465.0	3493.7	3479.4
5°	3500.9	3493.7	3457.8	3486.6	3479.4
7.5°	3472.2	3472.2	3450.6	3479.4	3472.2
10°	3443.4	3443.4	3421.9	3457.8	3450.6
12.5°	3400.3	3407.5	3393.1	3436.2	3429.0
15°	3350.0	3364.4	3357.2	3400.3	3400.3
17.5°	3292.5	3306.8	3306.8	3357.2	3357.2
20°	3220.6	3242.1	3256.5	3314.0	3314.0
22.5°	3148.7	3177.4	3199.0	3249.3	3270.9
25°	3062.4	3098.4	3134.3	3199.0	3199.0
27.5°	2976.2	3019.3	3062.4	3127.1	3134.3
30°	2875.5	2925.8	2983.3	3048.0	3062.4
32.5°	2774.9	2839.6	2897.1	2976.2	2997.7
35°	2667.0	2731.7	2810.8	2889.9	2911.5
37.5°	2544.8	2623.9	2724.5	2810.8	2832.4
40°	2437.0	2523.3	2623.9	2724.5	2746.1
42.5°	2314.8	2408.2	2530.5	2623.9	2659.8
45°	2192.6	2293.2	2422.6	2530.5	2559.2
47.5°	2063.2	2178.2	2322.0	2422.6	2458.6
50°	1933.8	2056.0	2207.0	2322.0	2350.7
52.5°	1804.4	1933.8	2091.9	2207.0	2242.9
55°	1667.8	1804.4	1969.7	2091.9	2135.1
57.5°	1538.4	1675.0	1847.5	1976.9	2020.0
60°	1394.6	1552.8	1725.3	1854.7	1905.0
62.5°	1272.4	1416.2	1603.1	1732.5	1775.6
65°	1128.6	1279.6	1473.7	1610.3	1653.4
67.5°	992.1	1150.2	1344.3	1488.1	1531.2
70°	855.5	1013.6	1222.1	1358.7	1409.0
72.5°	718.9	884.2	1085.5	1236.5	1286.8
75°	589.5	747.6	963.3	1114.3	1164.6
77.5°	452.9	625.4	841.1	992.1	1049.6
80°	330.7	510.4	726.1	877.0	934.5
82.5°	222.9	402.6	618.2	769.2	826.7
85°	129.4	309.1	524.8	668.6	718.9
87.5°	64.7	237.2	438.5	582.3	632.6
90°	0.0	172.5	366.6	503.2	553.5
92.5°	0.0	165.3	359.4	488.8	539.2
95°	0.0	165.3	352.3	481.6	532.0
97.5°	0.0	158.2	345.1	481.6	524.8
100°	0.0	151.0	345.1	474.5	517.6
102.5°	0.0	143.8	337.9	467.3	510.4
105°	0.0	136.6	330.7	452.9	496.0
107.5°	7.2	136.6	316.3	445.7	488.8
110°	7.2	129.4	301.9	438.5	481.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.2	122.2	287.6	424.1	467.3
115°	7.2	122.2	280.4	402.6	452.9
117.5°	7.2	115.0	266.0	388.2	438.5
120°	7.2	115.0	258.8	373.8	416.9
122.5°	7.2	107.8	244.4	359.4	402.6
125°	7.2	100.6	237.2	345.1	388.2
127.5°	7.2	93.5	230.0	330.7	373.8
130°	7.2	86.3	215.7	316.3	352.3
132.5°	7.2	86.3	208.5	294.7	337.9
135°	7.2	79.1	194.1	280.4	316.3
137.5°	7.2	71.9	179.7	266.0	301.9
140°	7.2	64.7	165.3	251.6	280.4
142.5°	7.2	64.7	151.0	230.0	258.8
145°	7.2	57.5	136.6	215.7	237.2
147.5°	7.2	50.3	122.2	194.1	215.7
150°	7.2	50.3	107.8	172.5	194.1
152.5°	7.2	43.1	93.5	158.2	179.7
155°	7.2	35.9	86.3	136.6	158.2
157.5°	7.2	35.9	71.9	115.0	136.6
160°	7.2	28.8	64.7	93.5	115.0
162.5°	7.2	28.8	57.5	79.1	100.6
165°	7.2	21.6	43.1	64.7	79.1
167.5°	7.2	21.6	35.9	50.3	64.7
170°	7.2	14.4	28.8	35.9	50.3
172.5°	7.2	14.4	21.6	21.6	21.6
175°	7.2	7.2	14.4	14.4	7.2
177.5°	7.2	7.2	7.2	7.2	7.2
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)