

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: P567381

Luminaire Tested: **8SNX-134SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567381
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-L850-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

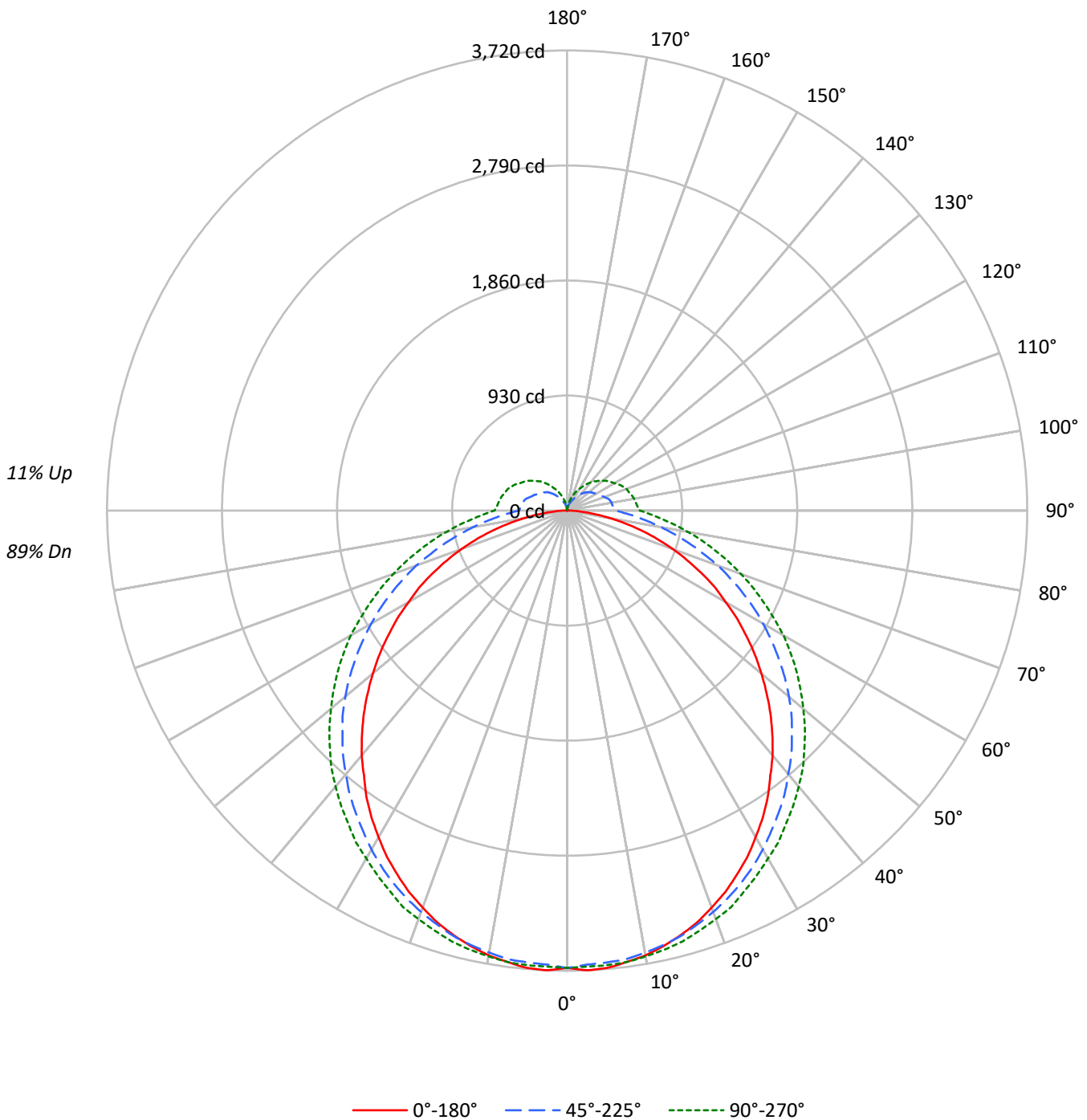
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13161.0 lumens
Efficiency: N/A
Efficacy: 137.4 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 (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	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	77	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°	19897	19897	19897
5°	20037	19397	19369
10°	19917	19017	18889
15°	19737	18626	18448
20°	19485	18175	17956
25°	19190	17734	17443
30°	18835	17248	16934
35°	18446	16743	16457
40°	17998	16246	16000
45°	17514	15741	15506
50°	16959	15206	14954
55°	16351	14563	14410
60°	15637	13874	13805
65°	14908	13099	13041
70°	13878	12245	12295
75°	12514	11158	11469
80°	10262	10056	10653
85°	7574	9120	9818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.1	2.7
10°-20°	1009.3	7.7
20°-30°	1534.7	11.7
30°-40°	1862.9	14.2
40°-50°	1968.6	15.0
50°-60°	1842.1	14.0
60°-70°	1511.5	11.5
70°-80°	1039.6	7.9
80°-90°	569.3	4.3
90°-100°	366.6	2.8
100°-110°	329.0	2.5
110°-120°	272.3	2.1
120°-130°	209.7	1.6
130°-140°	147.3	1.1
140°-150°	88.8	0.7
150°-160°	42.5	0.3
160°-170°	14.0	0.1
170°-180°	1.7	0.0
0°-30°	2895.1	22.0
0°-40°	4758.1	36.2
0°-60°	8568.8	65.1
0°-90°	11689.2	88.8
90°-120°	967.9	7.4
90°-150°	1413.7	10.7
90°-180°	1472.0	11.2
0°-180°	13161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3697	3697	3697	3697	3697	
5°	3712	3705	3666	3697	3689	352
15°	3552	3567	3560	3606	3606	1002
25°	3247	3285	3323	3392	3392	1496
35°	2828	2897	2980	3064	3087	1767
45°	2325	2432	2569	2683	2714	1792
55°	1768	1913	2089	2218	2264	1583
65°	1197	1357	1563	1708	1753	1185
75°	625	793	1021	1182	1235	658
85°	137	328	556	709	762	159
90°	0	183	389	534	587	9
95°	0	175	374	511	564	0
105°	0	145	351	480	526	5
115°	8	130	297	427	480	8
125°	8	107	252	366	412	7
135°	8	84	206	297	335	6
145°	8	61	145	229	252	5
155°	8	38	92	145	168	4
165°	8	23	46	69	84	2
175°	8	8	15	15	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3697.0	3697.0	3697.0	3697.0	3697.0
2.5°	3719.8	3712.2	3674.1	3704.6	3689.3
5°	3712.2	3704.6	3666.5	3697.0	3689.3
7.5°	3681.7	3681.7	3658.8	3689.3	3681.7
10°	3651.2	3651.2	3628.4	3666.5	3658.8
12.5°	3605.5	3613.1	3597.9	3643.6	3636.0
15°	3552.1	3567.4	3559.7	3605.5	3605.5
17.5°	3491.1	3506.4	3506.4	3559.7	3559.7
20°	3414.9	3437.8	3453.0	3514.0	3514.0
22.5°	3338.7	3369.2	3392.1	3445.4	3468.3
25°	3247.2	3285.3	3323.4	3392.1	3392.1
27.5°	3155.8	3201.5	3247.2	3315.8	3323.4
30°	3049.0	3102.4	3163.4	3232.0	3247.2
32.5°	2942.3	3010.9	3071.9	3155.8	3178.6
35°	2828.0	2896.6	2980.4	3064.3	3087.1
37.5°	2698.4	2782.2	2889.0	2980.4	3003.3
40°	2584.1	2675.5	2782.2	2889.0	2911.8
42.5°	2454.5	2553.6	2683.2	2782.2	2820.4
45°	2324.9	2431.6	2568.8	2683.2	2713.6
47.5°	2187.7	2309.6	2462.1	2568.8	2606.9
50°	2050.5	2180.1	2340.1	2462.1	2492.6
52.5°	1913.3	2050.5	2218.2	2340.1	2378.2
55°	1768.4	1913.3	2088.6	2218.2	2263.9
57.5°	1631.2	1776.1	1959.0	2096.2	2141.9
60°	1478.8	1646.5	1829.4	1966.6	2020.0
62.5°	1349.2	1501.7	1699.8	1837.0	1882.8
65°	1196.7	1356.8	1562.6	1707.5	1753.2
67.5°	1051.9	1219.6	1425.4	1577.9	1623.6
70°	907.1	1074.8	1295.8	1440.7	1494.0
72.5°	762.3	937.6	1151.0	1311.1	1364.4
75°	625.1	792.7	1021.4	1181.5	1234.9
77.5°	480.2	663.2	891.8	1051.9	1112.9
80°	350.6	541.2	769.9	930.0	990.9
82.5°	236.3	426.9	655.5	815.6	876.6
85°	137.2	327.8	556.4	708.9	762.3
87.5°	68.6	251.5	465.0	617.4	670.8
90°	0.0	182.9	388.8	533.6	586.9
92.5°	0.0	175.3	381.1	518.3	571.7
95°	0.0	175.3	373.5	510.7	564.1
97.5°	0.0	167.7	365.9	510.7	556.4
100°	0.0	160.1	365.9	503.1	548.8
102.5°	0.0	152.5	358.3	495.5	541.2
105°	0.0	144.8	350.6	480.2	526.0
107.5°	7.6	144.8	335.4	472.6	518.3
110°	7.6	137.2	320.1	465.0	510.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.6	129.6	304.9	449.7	495.5
115°	7.6	129.6	297.3	426.9	480.2
117.5°	7.6	122.0	282.0	411.6	465.0
120°	7.6	122.0	274.4	396.4	442.1
122.5°	7.6	114.3	259.2	381.1	426.9
125°	7.6	106.7	251.5	365.9	411.6
127.5°	7.6	99.1	243.9	350.6	396.4
130°	7.6	91.5	228.7	335.4	373.5
132.5°	7.6	91.5	221.1	312.5	358.3
135°	7.6	83.8	205.8	297.3	335.4
137.5°	7.6	76.2	190.6	282.0	320.1
140°	7.6	68.6	175.3	266.8	297.3
142.5°	7.6	68.6	160.1	243.9	274.4
145°	7.6	61.0	144.8	228.7	251.5
147.5°	7.6	53.4	129.6	205.8	228.7
150°	7.6	53.4	114.3	182.9	205.8
152.5°	7.6	45.7	99.1	167.7	190.6
155°	7.6	38.1	91.5	144.8	167.7
157.5°	7.6	38.1	76.2	122.0	144.8
160°	7.6	30.5	68.6	99.1	122.0
162.5°	7.6	30.5	61.0	83.8	106.7
165°	7.6	22.9	45.7	68.6	83.8
167.5°	7.6	22.9	38.1	53.4	68.6
170°	7.6	15.2	30.5	38.1	53.4
172.5°	7.6	15.2	22.9	22.9	22.9
175°	7.6	7.6	15.2	15.2	7.6
177.5°	7.6	7.6	7.6	7.6	7.6
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)