

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: P567373

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567373
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-L850-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

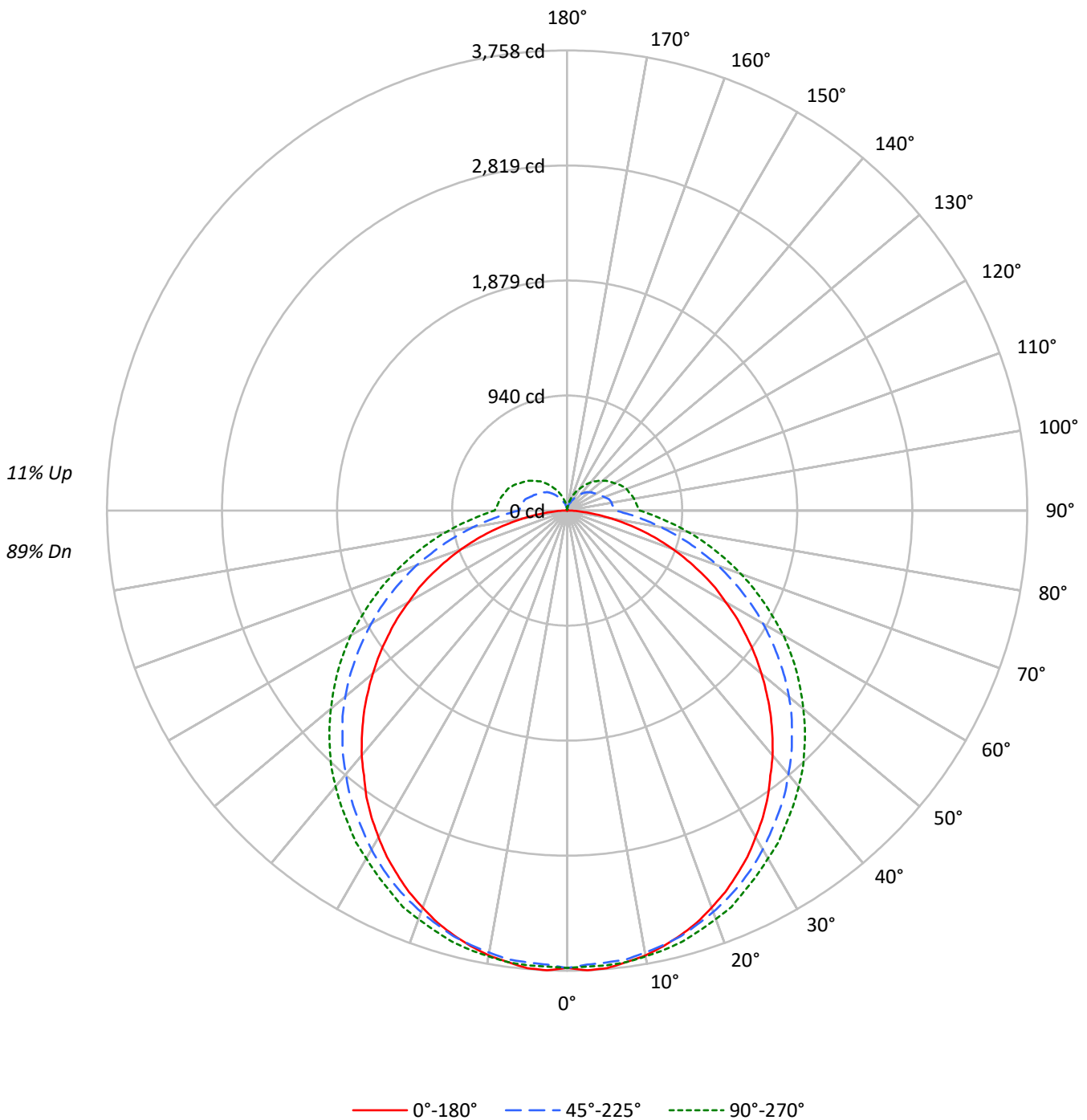
Lumens per Lamp: N/A
Luminaire Lumens: 13295.9 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 95.8
Input Voltage (V): NR
Input Current (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°	20101	20101	20101
5°	20224	19195	19026
10°	20085	18451	18076
15°	19884	17729	17219
20°	19610	16976	16362
25°	19293	16253	15524
30°	18915	15508	14721
35°	18501	14759	13970
40°	18026	14026	13253
45°	17512	13291	12520
50°	16924	12533	11749
55°	16280	11685	10993
60°	15521	10800	10194
65°	14738	9843	9283
70°	13640	8820	8388
75°	12184	7624	7437
80°	9818	6416	6490
85°	6913	5295	5517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	2.7
10°-20°	1019.7	7.7
20°-30°	1550.4	11.7
30°-40°	1882.1	14.2
40°-50°	1988.8	15.0
50°-60°	1861.0	14.0
60°-70°	1527.0	11.5
70°-80°	1050.3	7.9
80°-90°	575.2	4.3
90°-100°	370.4	2.8
100°-110°	332.3	2.5
110°-120°	275.1	2.1
120°-130°	211.8	1.6
130°-140°	148.8	1.1
140°-150°	89.7	0.7
150°-160°	42.9	0.3
160°-170°	14.1	0.1
170°-180°	1.7	0.0
0°-30°	2924.8	22.0
0°-40°	4806.9	36.2
0°-60°	8656.7	65.1
0°-90°	11809.1	88.8
90°-120°	977.8	7.4
90°-150°	1428.1	10.7
90°-180°	1487.0	11.2
0°-180°	13295.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3735	3735	3735	3735	3735	
5°	3750	3743	3704	3735	3727	356
15°	3589	3604	3596	3642	3642	1012
25°	3280	3319	3358	3427	3427	1512
35°	2857	2926	3011	3096	3119	1785
45°	2349	2456	2595	2711	2742	1810
55°	1787	1933	2110	2241	2287	1599
65°	1209	1371	1579	1725	1771	1197
75°	632	801	1032	1194	1248	665
85°	139	331	562	716	770	160
90°	0	185	393	539	593	9
95°	0	177	377	516	570	0
105°	0	146	354	485	531	5
115°	8	131	300	431	485	8
125°	8	108	254	370	416	7
135°	8	85	208	300	339	6
145°	8	62	146	231	254	5
155°	8	38	92	146	169	4
165°	8	23	46	69	85	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°	3734.9	3734.9	3734.9	3734.9	3734.9
2.5°	3758.0	3750.3	3711.8	3742.6	3727.2
5°	3750.3	3742.6	3704.1	3734.9	3727.2
7.5°	3719.5	3719.5	3696.4	3727.2	3719.5
10°	3688.7	3688.7	3665.6	3704.1	3696.4
12.5°	3642.5	3650.2	3634.8	3681.0	3673.3
15°	3588.6	3604.0	3596.3	3642.5	3642.5
17.5°	3527.0	3542.4	3542.4	3596.3	3596.3
20°	3449.9	3473.1	3488.5	3550.1	3550.1
22.5°	3372.9	3403.7	3426.8	3480.8	3503.9
25°	3280.5	3319.0	3357.5	3426.8	3426.8
27.5°	3188.1	3234.3	3280.5	3349.8	3357.5
30°	3080.3	3134.2	3195.8	3265.1	3280.5
32.5°	2972.5	3041.8	3103.4	3188.1	3211.2
35°	2857.0	2926.3	3011.0	3095.7	3118.8
37.5°	2726.1	2810.8	2918.6	3011.0	3034.1
40°	2610.6	2703.0	2810.8	2918.6	2941.7
42.5°	2479.7	2579.8	2710.7	2810.8	2849.3
45°	2348.7	2456.5	2595.2	2710.7	2741.5
47.5°	2210.1	2333.3	2487.4	2595.2	2633.7
50°	2071.5	2202.4	2364.1	2487.4	2518.2
52.5°	1932.9	2071.5	2240.9	2364.1	2402.6
55°	1786.6	1932.9	2110.0	2240.9	2287.1
57.5°	1648.0	1794.3	1979.1	2117.7	2163.9
60°	1494.0	1663.4	1848.2	1986.8	2040.7
62.5°	1363.0	1517.1	1717.3	1855.9	1902.1
65°	1209.0	1370.7	1578.7	1725.0	1771.2
67.5°	1062.7	1232.1	1440.0	1594.1	1640.3
70°	916.4	1085.8	1309.1	1455.4	1509.4
72.5°	770.1	947.2	1162.8	1324.5	1378.4
75°	631.5	800.9	1031.9	1193.6	1247.5
77.5°	485.1	670.0	901.0	1062.7	1124.3
80°	354.2	546.8	777.8	939.5	1001.1
82.5°	238.7	431.2	662.3	824.0	885.6
85°	138.6	331.1	562.2	716.2	770.1
87.5°	69.3	254.1	469.7	623.8	677.7
90°	0.0	184.8	392.7	539.1	593.0
92.5°	0.0	177.1	385.0	523.7	577.6
95°	0.0	177.1	377.3	516.0	569.9
97.5°	0.0	169.4	369.6	516.0	562.2
100°	0.0	161.7	369.6	508.3	554.5
102.5°	0.0	154.0	361.9	500.6	546.8
105°	0.0	146.3	354.2	485.1	531.4
107.5°	7.7	146.3	338.8	477.4	523.7
110°	7.7	138.6	323.4	469.7	516.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.7	130.9	308.0	454.3	500.6
115°	7.7	130.9	300.3	431.2	485.1
117.5°	7.7	123.2	284.9	415.8	469.7
120°	7.7	123.2	277.2	400.4	446.6
122.5°	7.7	115.5	261.8	385.0	431.2
125°	7.7	107.8	254.1	369.6	415.8
127.5°	7.7	100.1	246.4	354.2	400.4
130°	7.7	92.4	231.0	338.8	377.3
132.5°	7.7	92.4	223.3	315.7	361.9
135°	7.7	84.7	207.9	300.3	338.8
137.5°	7.7	77.0	192.5	284.9	323.4
140°	7.7	69.3	177.1	269.5	300.3
142.5°	7.7	69.3	161.7	246.4	277.2
145°	7.7	61.6	146.3	231.0	254.1
147.5°	7.7	53.9	130.9	207.9	231.0
150°	7.7	53.9	115.5	184.8	207.9
152.5°	7.7	46.2	100.1	169.4	192.5
155°	7.7	38.5	92.4	146.3	169.4
157.5°	7.7	38.5	77.0	123.2	146.3
160°	7.7	30.8	69.3	100.1	123.2
162.5°	7.7	30.8	61.6	84.7	107.8
165°	7.7	23.1	46.2	69.3	84.7
167.5°	7.7	23.1	38.5	53.9	69.3
170°	7.7	15.4	30.8	38.5	53.9
172.5°	7.7	15.4	23.1	23.1	23.1
175°	7.7	7.7	15.4	15.4	7.7
177.5°	7.7	7.7	7.7	7.7	7.7
180°	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)