

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: P567380

Luminaire Tested: **8SNX-134SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567380
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-L840-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

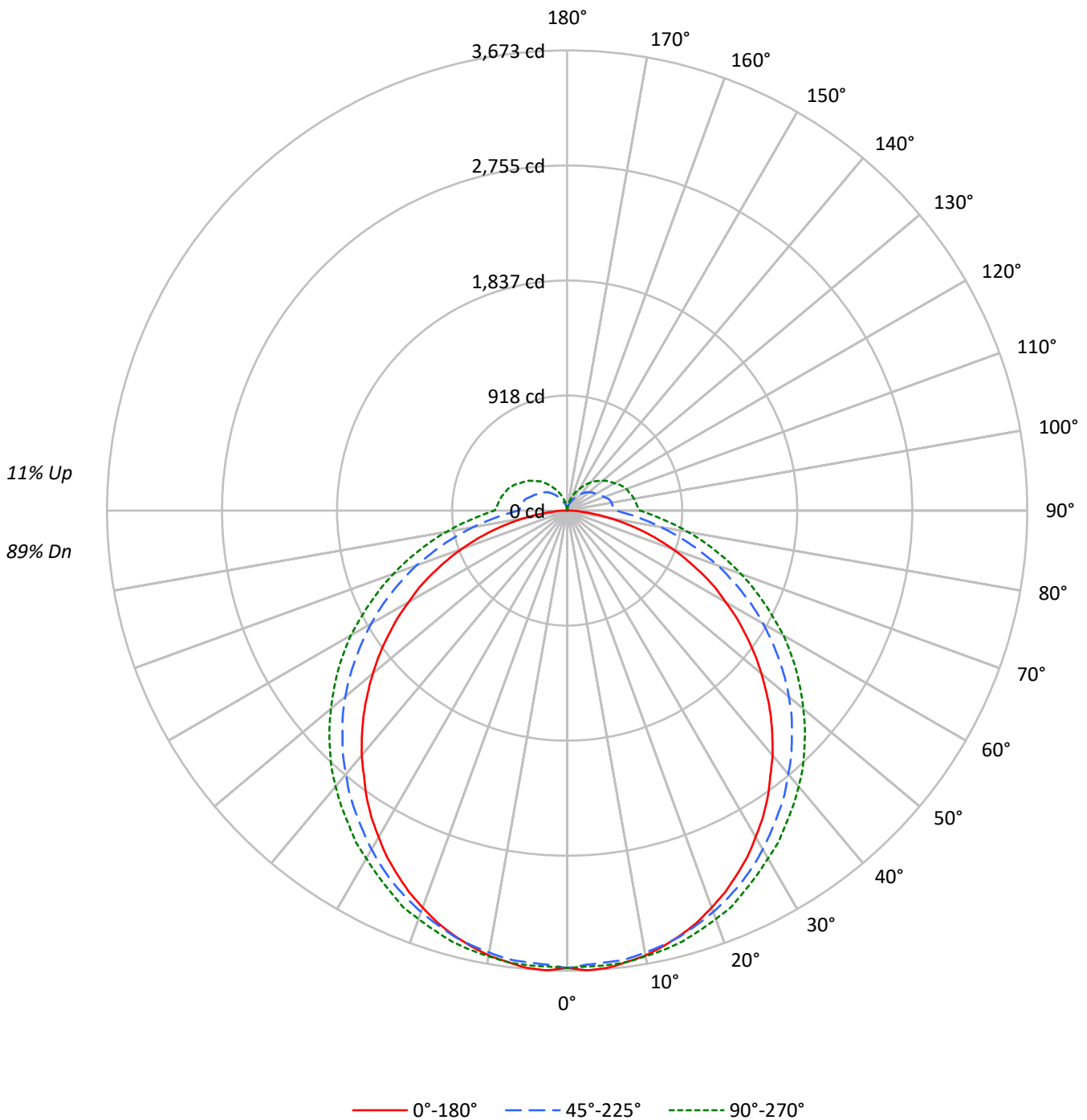
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12994.0 lumens
Efficiency: N/A
Efficacy: 135.6 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 (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	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°	19644	19644	19644
5°	19783	19151	19123
10°	19665	18776	18650
15°	19487	18390	18214
20°	19238	17945	17728
25°	18947	17509	17221
30°	18596	17029	16719
35°	18212	16531	16249
40°	17770	16040	15797
45°	17291	15541	15309
50°	16744	15013	14764
55°	16144	14378	14227
60°	15438	13698	13630
65°	14720	12933	12876
70°	13702	12090	12139
75°	12354	11017	11323
80°	10134	9928	10519
85°	7480	9006	9693



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	2.7
10°-20°	996.5	7.7
20°-30°	1515.2	11.7
30°-40°	1839.3	14.2
40°-50°	1943.6	15.0
50°-60°	1818.7	14.0
60°-70°	1492.3	11.5
70°-80°	1026.4	7.9
80°-90°	562.1	4.3
90°-100°	362.0	2.8
100°-110°	324.8	2.5
110°-120°	268.8	2.1
120°-130°	207.0	1.6
130°-140°	145.5	1.1
140°-150°	87.6	0.7
150°-160°	42.0	0.3
160°-170°	13.8	0.1
170°-180°	1.6	0.0
0°-30°	2858.4	22.0
0°-40°	4697.7	36.2
0°-60°	8460.1	65.1
0°-90°	11540.9	88.8
90°-120°	955.6	7.4
90°-150°	1395.7	10.7
90°-180°	1453.0	11.2
0°-180°	12994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3650	3650	3650	3650	3650	
5°	3665	3658	3620	3650	3642	348
15°	3507	3522	3515	3560	3560	989
25°	3206	3244	3281	3349	3349	1477
35°	2792	2860	2943	3025	3048	1744
45°	2295	2401	2536	2649	2679	1769
55°	1746	1889	2062	2190	2235	1562
65°	1182	1340	1543	1686	1731	1170
75°	617	783	1008	1166	1219	650
85°	136	324	549	700	753	157
90°	0	181	384	527	580	9
95°	0	173	369	504	557	0
105°	0	143	346	474	519	5
115°	8	128	294	421	474	7
125°	8	105	248	361	406	7
135°	8	83	203	294	331	6
145°	8	60	143	226	248	5
155°	8	38	90	143	166	3
165°	8	23	45	68	83	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°	3650.0	3650.0	3650.0	3650.0	3650.0
2.5°	3672.6	3665.1	3627.5	3657.6	3642.5
5°	3665.1	3657.6	3619.9	3650.0	3642.5
7.5°	3635.0	3635.0	3612.4	3642.5	3635.0
10°	3604.9	3604.9	3582.3	3619.9	3612.4
12.5°	3559.7	3567.3	3552.2	3597.4	3589.8
15°	3507.1	3522.1	3514.6	3559.7	3559.7
17.5°	3446.8	3461.9	3461.9	3514.6	3514.6
20°	3371.6	3394.2	3409.2	3469.4	3469.4
22.5°	3296.3	3326.4	3349.0	3401.7	3424.3
25°	3206.0	3243.6	3281.3	3349.0	3349.0
27.5°	3115.7	3160.9	3206.0	3273.8	3281.3
30°	3010.3	3063.0	3123.2	3191.0	3206.0
32.5°	2905.0	2972.7	3032.9	3115.7	3138.3
35°	2792.1	2859.8	2942.6	3025.4	3048.0
37.5°	2664.2	2746.9	2852.3	2942.6	2965.2
40°	2551.3	2641.6	2746.9	2852.3	2874.9
42.5°	2423.3	2521.2	2649.1	2746.9	2784.6
45°	2295.4	2400.8	2536.2	2649.1	2679.2
47.5°	2159.9	2280.3	2430.9	2536.2	2573.8
50°	2024.5	2152.4	2310.4	2430.9	2461.0
52.5°	1889.0	2024.5	2190.0	2310.4	2348.1
55°	1746.0	1889.0	2062.1	2190.0	2235.2
57.5°	1610.5	1753.5	1934.1	2069.6	2114.8
60°	1460.0	1625.6	1806.2	1941.7	1994.4
62.5°	1332.1	1482.6	1678.3	1813.7	1858.9
65°	1181.6	1339.6	1542.8	1685.8	1730.9
67.5°	1038.6	1204.1	1407.3	1557.9	1603.0
70°	895.6	1061.1	1279.4	1422.4	1475.1
72.5°	752.6	925.7	1136.4	1294.4	1347.1
75°	617.1	782.7	1008.5	1166.5	1219.2
77.5°	474.1	654.8	880.5	1038.6	1098.8
80°	346.2	534.3	760.1	918.2	978.4
82.5°	233.3	421.4	647.2	805.3	865.5
85°	135.5	323.6	549.4	699.9	752.6
87.5°	67.7	248.4	459.1	609.6	662.3
90°	0.0	180.6	383.8	526.8	579.5
92.5°	0.0	173.1	376.3	511.8	564.4
95°	0.0	173.1	368.8	504.2	556.9
97.5°	0.0	165.6	361.2	504.2	549.4
100°	0.0	158.0	361.2	496.7	541.9
102.5°	0.0	150.5	353.7	489.2	534.3
105°	0.0	143.0	346.2	474.1	519.3
107.5°	7.5	143.0	331.1	466.6	511.8
110°	7.5	135.5	316.1	459.1	504.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.5	127.9	301.0	444.0	489.2
115°	7.5	127.9	293.5	421.4	474.1
117.5°	7.5	120.4	278.5	406.4	459.1
120°	7.5	120.4	270.9	391.3	436.5
122.5°	7.5	112.9	255.9	376.3	421.4
125°	7.5	105.4	248.4	361.2	406.4
127.5°	7.5	97.8	240.8	346.2	391.3
130°	7.5	90.3	225.8	331.1	368.8
132.5°	7.5	90.3	218.3	308.6	353.7
135°	7.5	82.8	203.2	293.5	331.1
137.5°	7.5	75.3	188.1	278.5	316.1
140°	7.5	67.7	173.1	263.4	293.5
142.5°	7.5	67.7	158.0	240.8	270.9
145°	7.5	60.2	143.0	225.8	248.4
147.5°	7.5	52.7	127.9	203.2	225.8
150°	7.5	52.7	112.9	180.6	203.2
152.5°	7.5	45.2	97.8	165.6	188.1
155°	7.5	37.6	90.3	143.0	165.6
157.5°	7.5	37.6	75.3	120.4	143.0
160°	7.5	30.1	67.7	97.8	120.4
162.5°	7.5	30.1	60.2	82.8	105.4
165°	7.5	22.6	45.2	67.7	82.8
167.5°	7.5	22.6	37.6	52.7	67.7
170°	7.5	15.1	30.1	37.6	52.7
172.5°	7.5	15.1	22.6	22.6	22.6
175°	7.5	7.5	15.1	15.1	7.5
177.5°	7.5	7.5	7.5	7.5	7.5
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)