

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: P567376

Luminaire Tested: **8SNX-134SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567376
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-L940-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

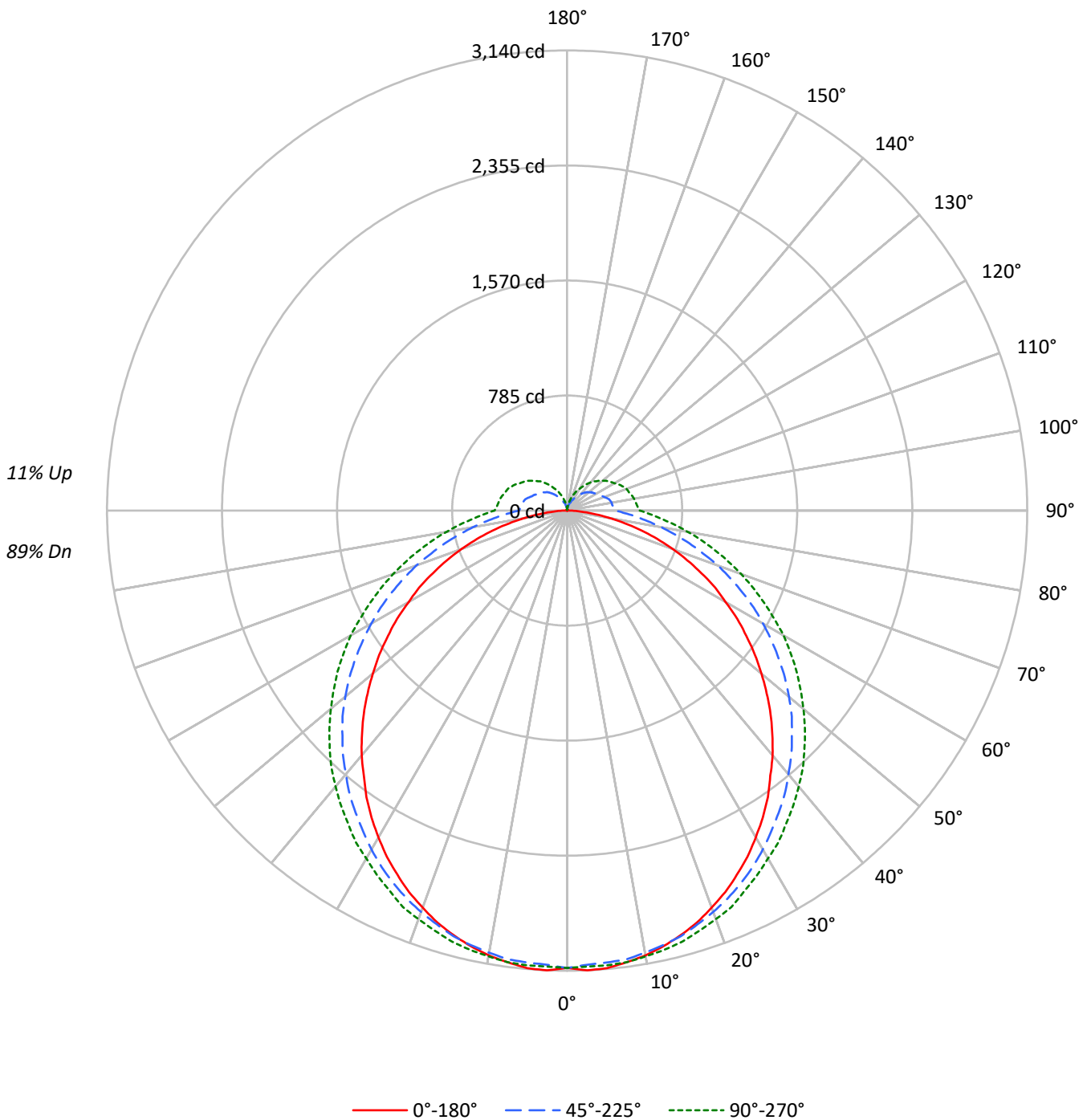
Lumens per Lamp: N/A
Luminaire Lumens: 11111.0 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	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°	16798	16798	16798
5°	16901	16041	15900
10°	16784	15419	15105
15°	16616	14815	14390
20°	16388	14186	13673
25°	16123	13583	12973
30°	15807	12959	12302
35°	15461	12333	11674
40°	15064	11721	11075
45°	14634	11107	10462
50°	14143	10473	9818
55°	13604	9765	9187
60°	12970	9025	8519
65°	12316	8225	7758
70°	11398	7370	7009
75°	10182	6371	6215
80°	8205	5362	5423
85°	5775	4425	4610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	2.7
10°-20°	852.1	7.7
20°-30°	1295.6	11.7
30°-40°	1572.8	14.2
40°-50°	1662.0	15.0
50°-60°	1555.2	14.0
60°-70°	1276.0	11.5
70°-80°	877.7	7.9
80°-90°	480.7	4.3
90°-100°	309.5	2.8
100°-110°	277.7	2.5
110°-120°	229.9	2.1
120°-130°	177.0	1.6
130°-140°	124.4	1.1
140°-150°	74.9	0.7
150°-160°	35.9	0.3
160°-170°	11.8	0.1
170°-180°	1.4	0.0
0°-30°	2444.2	22.0
0°-40°	4016.9	36.2
0°-60°	7234.1	65.1
0°-90°	9868.5	88.8
90°-120°	817.1	7.4
90°-150°	1193.5	10.7
90°-180°	1243.0	11.2
0°-180°	11111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3121	3121	3121	3121	3121	
5°	3134	3128	3095	3121	3115	297
15°	2999	3012	3005	3044	3044	846
25°	2741	2774	2806	2864	2864	1263
35°	2388	2445	2516	2587	2606	1491
45°	1963	2053	2169	2265	2291	1513
55°	1493	1615	1763	1873	1911	1336
65°	1010	1146	1319	1442	1480	1001
75°	528	669	862	998	1042	556
85°	116	277	470	598	644	134
90°	0	154	328	450	496	8
95°	0	148	315	431	476	0
105°	0	122	296	405	444	4
115°	6	109	251	360	405	6
125°	6	90	212	309	348	6
135°	6	71	174	251	283	5
145°	6	52	122	193	212	4
155°	6	32	77	122	142	3
165°	6	19	39	58	71	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 8SNX-134SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3121.1	3121.1	3121.1	3121.1	3121.1
2.5°	3140.4	3134.0	3101.8	3127.5	3114.7
5°	3134.0	3127.5	3095.4	3121.1	3114.7
7.5°	3108.2	3108.2	3088.9	3114.7	3108.2
10°	3082.5	3082.5	3063.2	3095.4	3088.9
12.5°	3043.9	3050.3	3037.4	3076.1	3069.6
15°	2998.8	3011.7	3005.3	3043.9	3043.9
17.5°	2947.4	2960.2	2960.2	3005.3	3005.3
20°	2883.0	2902.3	2915.2	2966.7	2966.7
22.5°	2818.6	2844.4	2863.7	2908.7	2928.0
25°	2741.4	2773.6	2805.8	2863.7	2863.7
27.5°	2664.2	2702.8	2741.4	2799.3	2805.8
30°	2574.1	2619.2	2670.6	2728.6	2741.4
32.5°	2484.0	2541.9	2593.4	2664.2	2683.5
35°	2387.5	2445.4	2516.2	2587.0	2606.3
37.5°	2278.1	2348.9	2439.0	2516.2	2535.5
40°	2181.6	2258.8	2348.9	2439.0	2458.3
42.5°	2072.2	2155.8	2265.2	2348.9	2381.0
45°	1962.8	2052.9	2168.7	2265.2	2291.0
47.5°	1846.9	1949.9	2078.6	2168.7	2200.9
50°	1731.1	1840.5	1975.6	2078.6	2104.3
52.5°	1615.3	1731.1	1872.7	1975.6	2007.8
55°	1493.0	1615.3	1763.3	1872.7	1911.3
57.5°	1377.1	1499.4	1653.9	1769.7	1808.3
60°	1248.4	1390.0	1544.5	1660.3	1705.3
62.5°	1139.0	1267.7	1435.1	1550.9	1589.5
65°	1010.3	1145.5	1319.2	1441.5	1480.1
67.5°	888.1	1029.6	1203.4	1332.1	1370.7
70°	765.8	907.4	1094.0	1216.3	1261.3
72.5°	643.5	791.5	971.7	1106.9	1151.9
75°	527.7	669.3	862.3	997.5	1042.5
77.5°	405.4	559.9	752.9	888.1	939.5
80°	296.0	456.9	650.0	785.1	836.6
82.5°	199.5	360.4	553.4	688.6	740.1
85°	115.8	276.7	469.8	598.5	643.5
87.5°	57.9	212.4	392.6	521.3	566.3
90°	0.0	154.4	328.2	450.5	495.5
92.5°	0.0	148.0	321.8	437.6	482.6
95°	0.0	148.0	315.3	431.2	476.2
97.5°	0.0	141.6	308.9	431.2	469.8
100°	0.0	135.1	308.9	424.7	463.3
102.5°	0.0	128.7	302.5	418.3	456.9
105°	0.0	122.3	296.0	405.4	444.0
107.5°	6.4	122.3	283.2	399.0	437.6
110°	6.4	115.8	270.3	392.6	431.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	109.4	257.4	379.7	418.3
115°	6.4	109.4	251.0	360.4	405.4
117.5°	6.4	103.0	238.1	347.5	392.6
120°	6.4	103.0	231.7	334.6	373.2
122.5°	6.4	96.5	218.8	321.8	360.4
125°	6.4	90.1	212.4	308.9	347.5
127.5°	6.4	83.7	205.9	296.0	334.6
130°	6.4	77.2	193.1	283.2	315.3
132.5°	6.4	77.2	186.6	263.8	302.5
135°	6.4	70.8	173.8	251.0	283.2
137.5°	6.4	64.4	160.9	238.1	270.3
140°	6.4	57.9	148.0	225.2	251.0
142.5°	6.4	57.9	135.1	205.9	231.7
145°	6.4	51.5	122.3	193.1	212.4
147.5°	6.4	45.0	109.4	173.8	193.1
150°	6.4	45.0	96.5	154.4	173.8
152.5°	6.4	38.6	83.7	141.6	160.9
155°	6.4	32.2	77.2	122.3	141.6
157.5°	6.4	32.2	64.4	103.0	122.3
160°	6.4	25.7	57.9	83.7	103.0
162.5°	6.4	25.7	51.5	70.8	90.1
165°	6.4	19.3	38.6	57.9	70.8
167.5°	6.4	19.3	32.2	45.0	57.9
170°	6.4	12.9	25.7	32.2	45.0
172.5°	6.4	12.9	19.3	19.3	19.3
175°	6.4	6.4	12.9	12.9	6.4
177.5°	6.4	6.4	6.4	6.4	6.4
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)