

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: P567384

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567384
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-L940-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

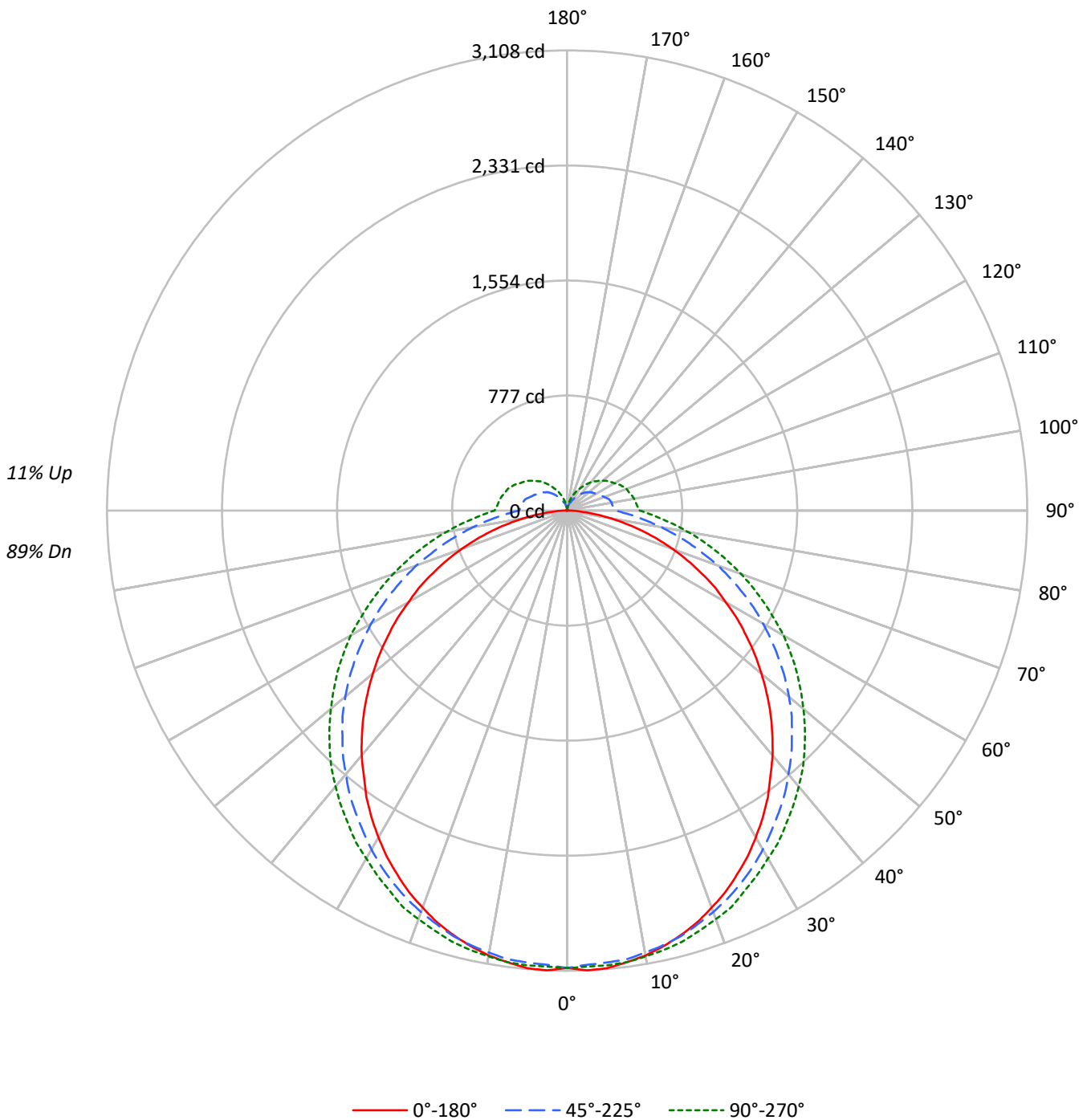
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10998.0 lumens
Efficiency: N/A
Efficacy: 114.8 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: 0.08')
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°	16627	16627	16627
5°	16744	16209	16186
10°	16644	15891	15785
15°	16493	15565	15416
20°	16283	15188	15005
25°	16036	14819	14576
30°	15740	14414	14151
35°	15415	13992	13753
40°	15040	13577	13371
45°	14635	13154	12958
50°	14172	12707	12496
55°	13664	12169	12042
60°	13066	11594	11536
65°	12459	10946	10898
70°	11597	10233	10274
75°	10456	9325	9583
80°	8576	8403	8903
85°	6332	7622	8204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.4	2.7
10°-20°	843.4	7.7
20°-30°	1282.5	11.7
30°-40°	1556.8	14.2
40°-50°	1645.1	15.0
50°-60°	1539.4	14.0
60°-70°	1263.1	11.5
70°-80°	868.8	7.9
80°-90°	475.8	4.3
90°-100°	306.4	2.8
100°-110°	274.9	2.5
110°-120°	227.5	2.1
120°-130°	175.2	1.6
130°-140°	123.1	1.1
140°-150°	74.2	0.7
150°-160°	35.5	0.3
160°-170°	11.7	0.1
170°-180°	1.4	0.0
0°-30°	2419.3	22.0
0°-40°	3976.1	36.2
0°-60°	7160.5	65.1
0°-90°	9768.1	88.8
90°-120°	808.8	7.4
90°-150°	1181.3	10.7
90°-180°	1230.0	11.2
0°-180°	10998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3089	3089	3089	3089	3089	
5°	3102	3096	3064	3089	3083	294
15°	2968	2981	2975	3013	3013	837
25°	2714	2745	2777	2835	2835	1250
35°	2363	2420	2491	2561	2580	1476
45°	1943	2032	2147	2242	2268	1497
55°	1478	1599	1745	1854	1892	1322
65°	1000	1134	1306	1427	1465	990
75°	522	662	854	987	1032	550
85°	115	274	465	592	637	133
90°	0	153	325	446	490	8
95°	0	146	312	427	471	0
105°	0	121	293	401	440	4
115°	6	108	248	357	401	6
125°	6	89	210	306	344	6
135°	6	70	172	248	280	5
145°	6	51	121	191	210	4
155°	6	32	76	121	140	3
165°	6	19	38	57	70	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3089.4	3089.4	3089.4	3089.4	3089.4
2.5°	3108.5	3102.1	3070.3	3095.7	3083.0
5°	3102.1	3095.7	3063.9	3089.4	3083.0
7.5°	3076.6	3076.6	3057.5	3083.0	3076.6
10°	3051.1	3051.1	3032.0	3063.9	3057.5
12.5°	3012.9	3019.3	3006.6	3044.8	3038.4
15°	2968.3	2981.1	2974.7	3012.9	3012.9
17.5°	2917.4	2930.1	2930.1	2974.7	2974.7
20°	2853.7	2872.8	2885.5	2936.5	2936.5
22.5°	2790.0	2815.5	2834.6	2879.2	2898.3
25°	2713.5	2745.4	2777.2	2834.6	2834.6
27.5°	2637.1	2675.3	2713.5	2770.9	2777.2
30°	2547.9	2592.5	2643.5	2700.8	2713.5
32.5°	2458.8	2516.1	2567.0	2637.1	2656.2
35°	2363.2	2420.5	2490.6	2560.7	2579.8
37.5°	2254.9	2325.0	2414.2	2490.6	2509.7
40°	2159.4	2235.8	2325.0	2414.2	2433.3
42.5°	2051.1	2133.9	2242.2	2325.0	2356.8
45°	1942.8	2032.0	2146.6	2242.2	2267.7
47.5°	1828.1	1930.1	2057.5	2146.6	2178.5
50°	1713.5	1821.8	1955.5	2057.5	2082.9
52.5°	1598.8	1713.5	1853.6	1955.5	1987.4
55°	1477.8	1598.8	1745.3	1853.6	1891.8
57.5°	1363.1	1484.2	1637.0	1751.7	1789.9
60°	1235.7	1375.9	1528.8	1643.4	1688.0
62.5°	1127.5	1254.9	1420.5	1535.1	1573.3
65°	1000.1	1133.8	1305.8	1426.8	1465.1
67.5°	879.0	1019.2	1191.2	1318.6	1356.8
70°	758.0	898.1	1082.9	1203.9	1248.5
72.5°	637.0	783.5	961.8	1095.6	1140.2
75°	522.3	662.5	853.6	987.3	1031.9
77.5°	401.3	554.2	745.3	879.0	930.0
80°	293.0	452.3	643.4	777.1	828.1
82.5°	197.5	356.7	547.8	681.6	732.5
85°	114.7	273.9	465.0	592.4	637.0
87.5°	57.3	210.2	388.6	516.0	560.5
90°	0.0	152.9	324.9	445.9	490.5
92.5°	0.0	146.5	318.5	433.1	477.7
95°	0.0	146.5	312.1	426.8	471.4
97.5°	0.0	140.1	305.8	426.8	465.0
100°	0.0	133.8	305.8	420.4	458.6
102.5°	0.0	127.4	299.4	414.0	452.3
105°	0.0	121.0	293.0	401.3	439.5
107.5°	6.4	121.0	280.3	394.9	433.1
110°	6.4	114.7	267.5	388.6	426.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	108.3	254.8	375.8	414.0
115°	6.4	108.3	248.4	356.7	401.3
117.5°	6.4	101.9	235.7	344.0	388.6
120°	6.4	101.9	229.3	331.2	369.4
122.5°	6.4	95.5	216.6	318.5	356.7
125°	6.4	89.2	210.2	305.8	344.0
127.5°	6.4	82.8	203.8	293.0	331.2
130°	6.4	76.4	191.1	280.3	312.1
132.5°	6.4	76.4	184.7	261.2	299.4
135°	6.4	70.1	172.0	248.4	280.3
137.5°	6.4	63.7	159.2	235.7	267.5
140°	6.4	57.3	146.5	222.9	248.4
142.5°	6.4	57.3	133.8	203.8	229.3
145°	6.4	51.0	121.0	191.1	210.2
147.5°	6.4	44.6	108.3	172.0	191.1
150°	6.4	44.6	95.5	152.9	172.0
152.5°	6.4	38.2	82.8	140.1	159.2
155°	6.4	31.8	76.4	121.0	140.1
157.5°	6.4	31.8	63.7	101.9	121.0
160°	6.4	25.5	57.3	82.8	101.9
162.5°	6.4	25.5	51.0	70.1	89.2
165°	6.4	19.1	38.2	57.3	70.1
167.5°	6.4	19.1	31.8	44.6	57.3
170°	6.4	12.7	25.5	31.8	44.6
172.5°	6.4	12.7	19.1	19.1	19.1
175°	6.4	6.4	12.7	12.7	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)