

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: P567796

Luminaire Tested: **8SNX-44SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-LN-UNV-L840-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

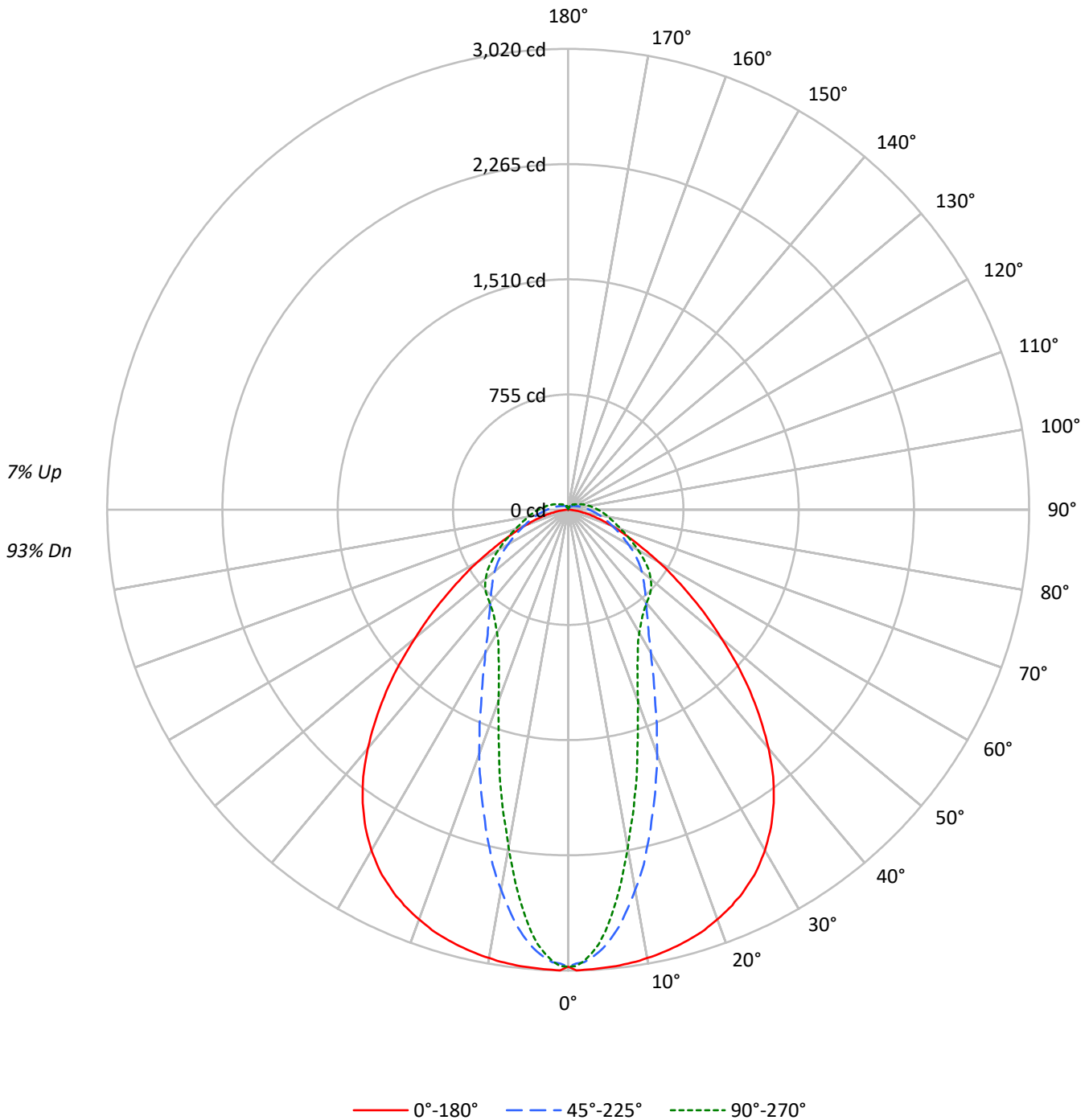
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4773.9 lumens
Efficiency: N/A
Efficacy: 173.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 27.6
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16118	16118	16118
5°	16231	14833	14177
10°	16239	12732	10999
15°	16261	10398	8244
20°	16242	8292	6170
25°	16127	6504	4897
30°	15825	5269	4176
35°	15198	4464	3799
40°	14097	3945	3596
45°	12573	3614	3485
50°	10690	3329	3292
55°	8823	3020	3007
60°	7096	2661	2637
65°	5551	2340	2295
70°	4356	2073	2030
75°	3427	1867	1849
80°	2497	1713	1719
85°	1496	1602	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.2	5.6
10°-20°	621.7	13.0
20°-30°	737.9	15.5
30°-40°	742.4	15.6
40°-50°	690.1	14.5
50°-60°	568.3	11.9
60°-70°	400.4	8.4
70°-80°	261.6	5.5
80°-90°	167.0	3.5
90°-100°	109.5	2.3
100°-110°	74.4	1.6
110°-120°	51.0	1.1
120°-130°	35.2	0.7
130°-140°	23.7	0.5
140°-150°	14.6	0.3
150°-160°	7.6	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1624.8	34.0
0°-40°	2367.3	49.6
0°-60°	3625.7	75.9
0°-90°	4454.7	93.3
90°-120°	234.9	4.9
90°-150°	308.4	6.5
90°-180°	319.0	6.7
0°-180°	4773.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2995	2995	2995	2995	2995	
5°	3010	2970	2862	2807	2777	287
15°	2935	2622	2109	1844	1744	829
25°	2742	2027	1344	1128	1081	1262
35°	2347	1371	911	853	848	1460
45°	1686	903	706	743	763	1295
55°	968	593	545	606	626	875
65°	455	358	375	423	438	462
75°	178	185	253	298	310	192
85°	30	85	170	220	230	38
90°	0	58	138	188	195	2
95°	0	42	115	158	165	0
105°	0	30	78	110	120	0
115°	2	25	55	80	85	2
125°	2	20	45	58	62	2
135°	2	18	35	45	48	2
145°	2	12	25	35	38	2
155°	2	10	18	25	28	1
165°	2	5	10	12	15	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2994.9	2994.9	2994.9	2994.9	2994.9
1°	3019.9	3007.4	2974.9	2997.4	2992.4
2°	3017.4	3004.9	2967.4	2977.4	2959.8
3°	3014.9	2997.4	2939.8	2937.3	2912.3
4°	3012.4	2984.9	2904.8	2874.8	2854.8
5°	3009.9	2969.9	2862.3	2807.2	2777.2
6°	3007.4	2952.3	2807.2	2724.7	2682.1
7°	3002.4	2924.8	2749.7	2637.1	2582.0
8°	2997.4	2899.8	2677.1	2542.0	2474.5
9°	2992.4	2867.3	2604.6	2439.4	2359.4
10°	2982.4	2834.7	2529.5	2334.3	2249.3
11°	2977.4	2797.2	2456.9	2234.3	2134.2
12°	2967.4	2757.2	2379.4	2129.2	2041.6
13°	2957.3	2714.7	2284.3	2039.1	1934.0
14°	2947.3	2669.6	2201.7	1939.0	1841.5
15°	2934.8	2622.1	2109.2	1844.0	1743.9
16°	2922.3	2567.0	2026.6	1746.4	1641.3
17°	2909.8	2514.5	1949.0	1656.3	1561.2
18°	2894.8	2462.0	1859.0	1568.7	1476.2
19°	2874.8	2401.9	1786.4	1488.7	1403.6
20°	2857.3	2346.9	1703.9	1413.6	1338.6
21°	2837.2	2279.3	1621.3	1343.6	1268.5
22.5°	2807.2	2184.2	1516.2	1256.0	1185.9
23°	2792.2	2156.7	1473.7	1223.5	1163.4
24°	2772.2	2084.2	1403.6	1173.4	1113.4
25°	2742.2	2026.6	1343.6	1128.4	1080.9
26°	2714.7	1956.6	1283.5	1088.4	1040.8
27°	2687.1	1889.0	1231.0	1045.8	1005.8
28°	2652.1	1818.9	1173.4	1010.8	975.8
29°	2614.6	1753.9	1125.9	980.8	953.3
30°	2577.0	1681.3	1085.9	953.3	930.7
32.5°	2472.0	1521.2	983.3	900.7	885.7
35°	2346.9	1371.1	910.7	853.2	848.2
37.5°	2206.7	1233.5	845.7	815.6	820.7
40°	2041.6	1108.4	790.6	788.1	798.1
42.5°	1866.5	1000.8	748.1	765.6	780.6
45°	1686.3	903.2	705.6	743.1	763.1
47.5°	1498.7	818.1	668.0	715.6	738.1
50°	1308.5	735.6	628.0	683.0	705.6
52.5°	1138.4	663.0	588.0	645.5	670.5
55°	968.3	593.0	545.4	605.5	625.5
57.5°	820.7	527.9	500.4	560.4	575.5
60°	683.0	465.4	455.4	510.4	527.9
62.5°	557.9	410.3	412.8	465.4	482.9
65°	455.4	357.8	375.3	422.8	437.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	370.3	307.7	337.8	387.8	400.3
70°	292.7	262.7	307.7	352.8	365.3
72.5°	232.7	222.7	277.7	325.3	335.3
75°	177.6	185.1	252.7	297.7	310.2
77.5°	127.6	155.1	227.7	275.2	285.2
80°	90.1	127.6	207.7	255.2	265.2
82.5°	57.5	105.1	187.6	237.7	247.7
85°	30.0	85.1	170.1	220.2	230.2
87.5°	12.5	70.1	152.6	202.7	212.7
90°	0.0	57.5	137.6	187.6	195.2
92.5°	0.0	50.0	125.1	172.6	180.1
95°	0.0	42.5	115.1	157.6	165.1
97.5°	0.0	40.0	102.6	145.1	152.6
100°	0.0	35.0	92.6	132.6	142.6
102.5°	0.0	32.5	85.1	120.1	130.1
105°	0.0	30.0	77.6	110.1	120.1
107.5°	0.0	27.5	72.6	102.6	110.1
110°	0.0	27.5	65.1	95.1	102.6
112.5°	2.5	25.0	60.0	85.1	92.6
115°	2.5	25.0	55.0	80.1	85.1
117.5°	2.5	25.0	52.5	72.6	77.6
120°	2.5	22.5	50.0	67.6	72.6
122.5°	2.5	22.5	47.5	62.5	65.1
125°	2.5	20.0	45.0	57.5	62.5
127.5°	2.5	20.0	42.5	55.0	57.5
130°	2.5	20.0	40.0	50.0	55.0
132.5°	2.5	17.5	37.5	47.5	50.0
135°	2.5	17.5	35.0	45.0	47.5
137.5°	2.5	15.0	32.5	42.5	45.0
140°	2.5	15.0	30.0	40.0	42.5
142.5°	2.5	12.5	27.5	37.5	40.0
145°	2.5	12.5	25.0	35.0	37.5
147.5°	2.5	12.5	22.5	32.5	35.0
150°	2.5	10.0	20.0	30.0	32.5
152.5°	2.5	10.0	17.5	27.5	30.0
155°	2.5	10.0	17.5	25.0	27.5
157.5°	2.5	7.5	15.0	20.0	25.0
160°	2.5	7.5	12.5	17.5	22.5
162.5°	2.5	7.5	12.5	15.0	17.5
165°	2.5	5.0	10.0	12.5	15.0
167.5°	2.5	5.0	7.5	10.0	12.5
170°	2.5	5.0	7.5	7.5	10.0
172.5°	2.5	5.0	5.0	5.0	5.0
175°	5.0	5.0	5.0	5.0	2.5
177.5°	5.0	5.0	5.0	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)