

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: P567801

Luminaire Tested: **8SNX-44SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567801
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-L950-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

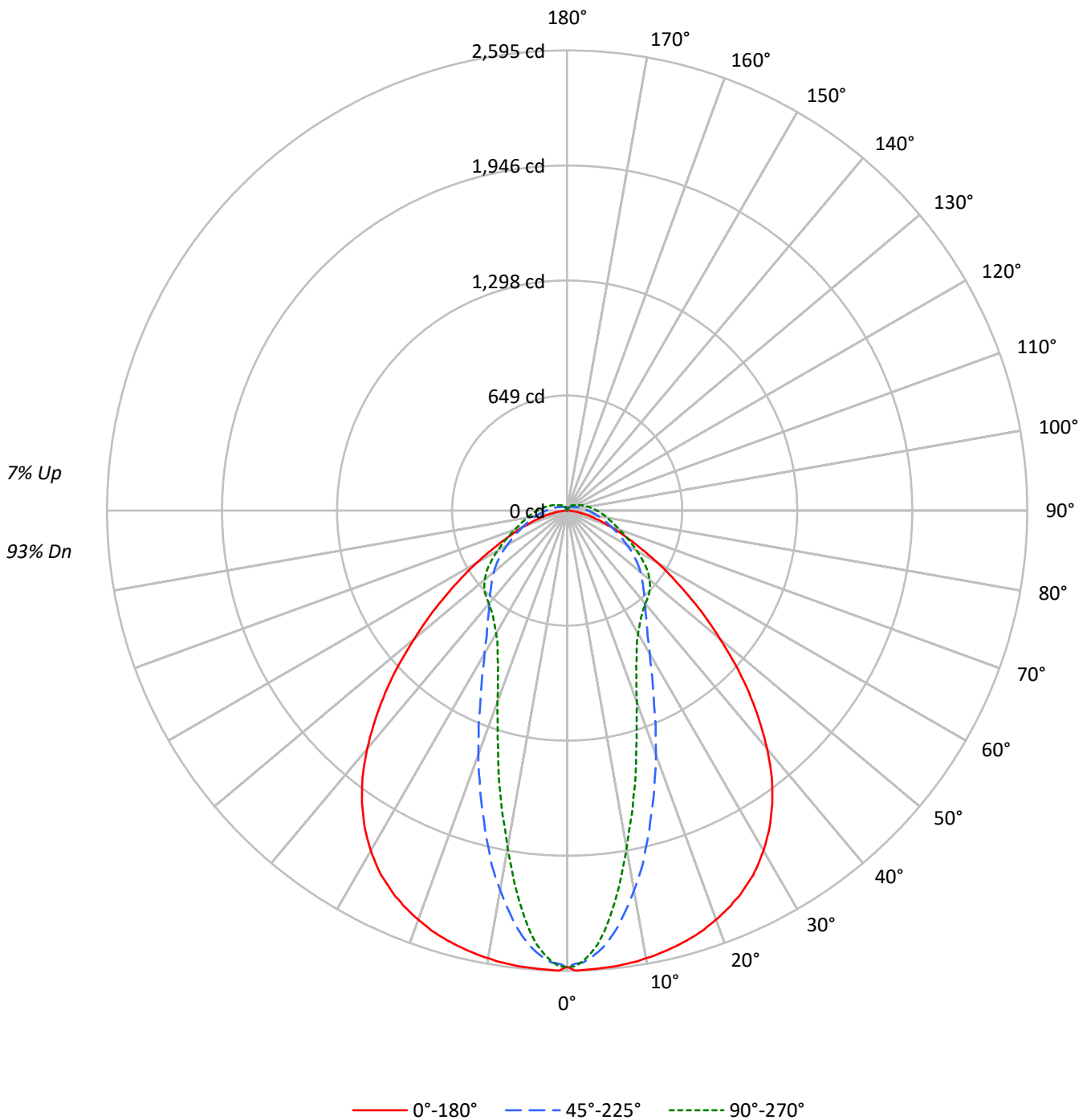
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4101.8 lumens
Efficiency: N/A
Efficacy: 148.6 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	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°	13849	13849	13849
5°	13947	12745	12182
10°	13953	10940	9451
15°	13972	8934	7083
20°	13955	7124	5301
25°	13857	5588	4207
30°	13597	4527	3589
35°	13058	3836	3264
40°	12113	3390	3090
45°	10804	3105	2994
50°	9186	2861	2828
55°	7581	2596	2583
60°	6097	2287	2266
65°	4770	2011	1972
70°	3743	1781	1744
75°	2944	1604	1589
80°	2145	1472	1477
85°	1287	1377	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	5.6
10°-20°	534.2	13.0
20°-30°	634.1	15.5
30°-40°	637.9	15.6
40°-50°	593.0	14.5
50°-60°	488.3	11.9
60°-70°	344.1	8.4
70°-80°	224.8	5.5
80°-90°	143.5	3.5
90°-100°	94.1	2.3
100°-110°	63.9	1.6
110°-120°	43.8	1.1
120°-130°	30.3	0.7
130°-140°	20.4	0.5
140°-150°	12.5	0.3
150°-160°	6.5	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1396.1	34.0
0°-40°	2034.0	49.6
0°-60°	3115.3	75.9
0°-90°	3827.6	93.3
90°-120°	201.8	4.9
90°-150°	264.9	6.5
90°-180°	274.0	6.7
0°-180°	4101.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2586	2552	2459	2412	2386	246
15°	2522	2253	1812	1584	1498	712
25°	2356	1741	1154	970	929	1084
35°	2016	1178	782	733	729	1254
45°	1449	776	606	638	656	1112
55°	832	510	469	520	537	751
65°	391	307	322	363	376	397
75°	153	159	217	256	267	165
85°	26	73	146	189	198	32
90°	0	49	118	161	168	1
95°	0	36	99	135	142	0
105°	0	26	67	95	103	0
115°	2	22	47	69	73	2
125°	2	17	39	49	54	2
135°	2	15	30	39	41	2
145°	2	11	22	30	32	1
155°	2	9	15	22	24	1
165°	2	4	9	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2573.3	2573.3	2573.3	2573.3	2573.3
1°	2594.8	2584.1	2556.1	2575.5	2571.2
2°	2592.7	2581.9	2549.7	2558.3	2543.2
3°	2590.5	2575.5	2526.0	2523.9	2502.4
4°	2588.4	2564.7	2495.9	2470.1	2452.9
5°	2586.2	2551.8	2459.4	2412.1	2386.3
6°	2584.1	2536.8	2412.1	2341.1	2304.6
7°	2579.8	2513.1	2362.6	2265.9	2218.6
8°	2575.5	2491.6	2300.3	2184.2	2126.1
9°	2571.2	2463.7	2237.9	2096.1	2027.3
10°	2562.6	2435.7	2173.4	2005.8	1932.7
11°	2558.3	2403.5	2111.1	1919.8	1833.8
12°	2549.7	2369.1	2044.5	1829.5	1754.2
13°	2541.1	2332.5	1962.8	1752.1	1661.8
14°	2532.5	2293.8	1891.8	1666.1	1582.3
15°	2521.7	2253.0	1812.3	1584.4	1498.4
16°	2511.0	2205.7	1741.3	1500.6	1410.3
17°	2500.2	2160.5	1674.7	1423.2	1341.5
18°	2487.3	2115.4	1597.3	1347.9	1268.4
19°	2470.1	2063.8	1535.0	1279.1	1206.0
20°	2455.1	2016.5	1464.0	1214.6	1150.1
21°	2437.9	1958.5	1393.1	1154.4	1089.9
22.5°	2412.1	1876.8	1302.8	1079.2	1019.0
23°	2399.2	1853.1	1266.2	1051.3	999.7
24°	2382.0	1790.8	1206.0	1008.3	956.7
25°	2356.2	1741.3	1154.4	969.6	928.7
26°	2332.5	1681.1	1102.8	935.2	894.3
27°	2308.9	1623.1	1057.7	898.6	864.2
28°	2278.8	1562.9	1008.3	868.5	838.4
29°	2246.5	1507.0	967.4	842.7	819.1
30°	2214.3	1444.7	933.0	819.1	799.7
32.5°	2124.0	1307.1	844.9	773.9	761.0
35°	2016.5	1178.1	782.5	733.1	728.8
37.5°	1896.1	1059.9	726.6	700.8	705.1
40°	1754.2	952.4	679.3	677.2	685.8
42.5°	1603.7	859.9	642.8	657.8	670.7
45°	1449.0	776.1	606.2	638.5	655.7
47.5°	1287.7	703.0	574.0	614.8	634.2
50°	1124.3	632.0	539.6	586.9	606.2
52.5°	978.2	569.7	505.2	554.6	576.1
55°	832.0	509.5	468.7	520.3	537.4
57.5°	705.1	453.6	430.0	481.6	494.5
60°	586.9	399.9	391.3	438.6	453.6
62.5°	479.4	352.6	354.7	399.9	414.9
65°	391.3	307.4	322.5	363.3	376.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	318.2	264.4	290.2	333.2	344.0
70°	251.5	225.7	264.4	303.1	313.9
72.5°	199.9	191.3	238.6	279.5	288.1
75°	152.6	159.1	217.1	255.8	266.6
77.5°	109.6	133.3	195.6	236.5	245.1
80°	77.4	109.6	178.4	219.3	227.9
82.5°	49.4	90.3	161.2	204.2	212.8
85°	25.8	73.1	146.2	189.2	197.8
87.5°	10.7	60.2	131.1	174.1	182.7
90°	0.0	49.4	118.2	161.2	167.7
92.5°	0.0	43.0	107.5	148.3	154.8
95°	0.0	36.5	98.9	135.4	141.9
97.5°	0.0	34.4	88.1	124.7	131.1
100°	0.0	30.1	79.5	113.9	122.5
102.5°	0.0	27.9	73.1	103.2	111.8
105°	0.0	25.8	66.6	94.6	103.2
107.5°	0.0	23.6	62.3	88.1	94.6
110°	0.0	23.6	55.9	81.7	88.1
112.5°	2.1	21.5	51.6	73.1	79.5
115°	2.1	21.5	47.3	68.8	73.1
117.5°	2.1	21.5	45.1	62.3	66.6
120°	2.1	19.3	43.0	58.0	62.3
122.5°	2.1	19.3	40.8	53.7	55.9
125°	2.1	17.2	38.7	49.4	53.7
127.5°	2.1	17.2	36.5	47.3	49.4
130°	2.1	17.2	34.4	43.0	47.3
132.5°	2.1	15.0	32.2	40.8	43.0
135°	2.1	15.0	30.1	38.7	40.8
137.5°	2.1	12.9	27.9	36.5	38.7
140°	2.1	12.9	25.8	34.4	36.5
142.5°	2.1	10.7	23.6	32.2	34.4
145°	2.1	10.7	21.5	30.1	32.2
147.5°	2.1	10.7	19.3	27.9	30.1
150°	2.1	8.6	17.2	25.8	27.9
152.5°	2.1	8.6	15.0	23.6	25.8
155°	2.1	8.6	15.0	21.5	23.6
157.5°	2.1	6.4	12.9	17.2	21.5
160°	2.1	6.4	10.7	15.0	19.3
162.5°	2.1	6.4	10.7	12.9	15.0
165°	2.1	4.3	8.6	10.7	12.9
167.5°	2.1	4.3	6.4	8.6	10.7
170°	2.1	4.3	6.4	6.4	8.6
172.5°	2.1	4.3	4.3	4.3	4.3
175°	4.3	4.3	4.3	4.3	2.1
177.5°	4.3	4.3	4.3	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)