

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: P567793

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-LC-UNV-L950-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

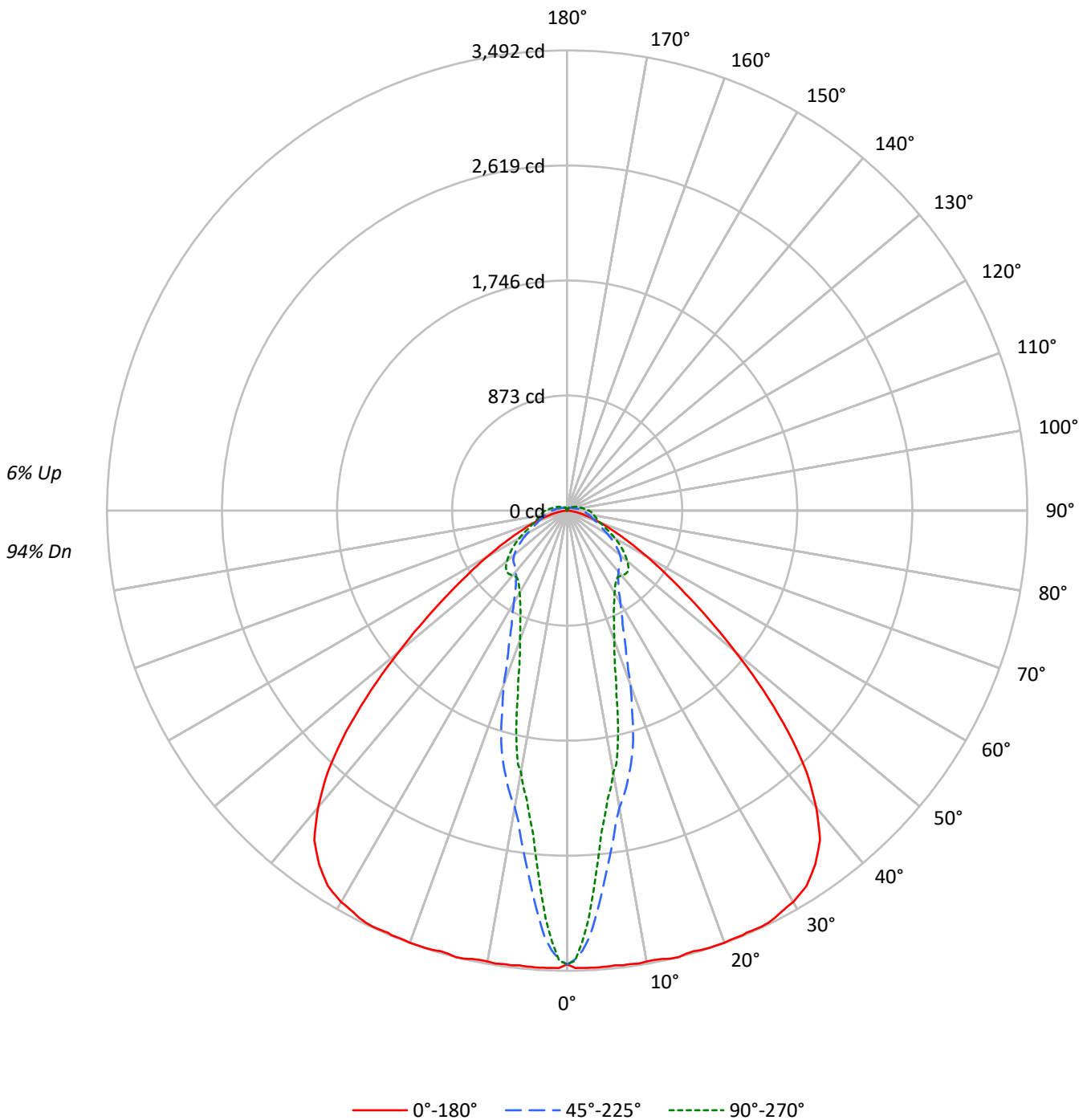
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4245.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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 (A_{in}): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18534	18534	18534
5°	18735	15242	13626
10°	18917	11520	9861
15°	19298	9427	6829
20°	19835	6828	4823
25°	20497	4897	3794
30°	21067	3916	3231
35°	21244	3316	2894
40°	20309	3018	2901
45°	17679	2919	2980
50°	13614	2780	2781
55°	9911	2433	2468
60°	7232	2034	2087
65°	5304	1723	1710
70°	3950	1524	1475
75°	2854	1414	1375
80°	1929	1328	1354
85°	978	1270	1356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.8	6.4
10°-20°	588.1	13.9
20°-30°	673.2	15.9
30°-40°	674.4	15.9
40°-50°	638.4	15.0
50°-60°	489.6	11.5
60°-70°	315.6	7.4
70°-80°	201.2	4.7
80°-90°	133.6	3.1
90°-100°	89.8	2.1
100°-110°	59.2	1.4
110°-120°	41.2	1.0
120°-130°	28.7	0.7
130°-140°	19.9	0.5
140°-150°	12.2	0.3
150°-160°	6.2	0.1
160°-170°	2.4	0.1
170°-180°	0.5	0.0
0°-30°	1532.1	36.1
0°-40°	2206.5	52.0
0°-60°	3334.5	78.6
0°-90°	3984.9	93.9
90°-120°	190.2	4.5
90°-150°	251.1	5.9
90°-180°	260.0	6.1
0°-180°	4245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3444	3444	3444	3444	3444	
5°	3474	3283	2941	2743	2669	332
15°	3483	2508	1912	1571	1444	988
25°	3485	1775	1012	879	838	1607
35°	3281	988	677	655	646	2035
45°	2371	624	570	631	653	1803
55°	1088	446	439	494	513	1000
65°	435	281	276	315	326	448
75°	148	152	191	220	231	163
85°	20	70	135	176	189	27
90°	0	48	113	157	163	1
95°	0	35	94	128	135	0
105°	0	26	61	87	94	1
115°	2	22	46	63	67	2
125°	2	20	39	46	48	2
135°	2	15	30	37	39	2
145°	2	11	22	28	30	1
155°	2	6	13	20	22	1
165°	4	4	9	11	13	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-44SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3443.7	3443.7	3443.7	3443.7	3443.7
1°	3472.0	3452.5	3406.8	3419.8	3417.6
2°	3472.0	3430.7	3341.5	3315.4	3276.2
3°	3474.2	3393.7	3241.4	3156.6	3102.2
4°	3474.2	3339.3	3093.5	2952.1	2882.5
5°	3474.2	3282.8	2941.2	2743.3	2669.3
6°	3469.9	3215.3	2786.8	2577.9	2467.0
7°	3476.4	3141.4	2647.5	2423.5	2336.4
8°	3474.2	3054.3	2519.2	2306.0	2210.3
9°	3480.7	2969.5	2380.0	2195.0	2123.2
10°	3474.2	2891.2	2288.6	2090.6	2016.6
11°	3474.2	2815.0	2223.3	2023.2	1960.1
12°	3478.6	2728.0	2151.5	1927.5	1840.4
13°	3489.4	2638.8	2068.9	1823.0	1720.8
14°	3491.6	2571.4	1992.7	1690.3	1583.7
15°	3482.9	2508.3	1912.2	1570.7	1444.5
16°	3478.6	2443.0	1816.5	1457.6	1344.4
17°	3487.3	2366.9	1707.7	1342.3	1237.8
18°	3489.4	2297.3	1592.4	1255.2	1163.9
19°	3489.4	2242.9	1498.9	1174.7	1096.4
20°	3489.4	2190.7	1403.2	1113.8	1046.4
21°	3485.1	2125.4	1294.4	1050.7	994.2
22.5°	3487.3	2003.6	1170.4	976.8	931.1
23°	3480.7	1973.1	1139.9	957.2	909.3
24°	3482.9	1886.1	1074.7	918.0	872.4
25°	3485.1	1775.2	1011.6	878.9	837.6
26°	3480.7	1686.0	959.4	841.9	813.6
27°	3469.9	1614.2	922.4	811.4	785.3
28°	3454.6	1518.5	883.2	785.3	761.4
29°	3439.4	1409.7	844.1	757.1	739.7
30°	3430.7	1322.7	807.1	735.3	720.1
32.5°	3378.5	1150.8	731.0	691.8	678.7
35°	3280.6	987.7	676.6	654.8	646.1
37.5°	3152.2	861.5	635.2	630.9	633.1
40°	2941.2	761.4	604.8	624.4	643.9
42.5°	2688.9	683.1	583.0	630.9	652.6
45°	2371.2	624.4	570.0	630.9	652.6
47.5°	2018.8	576.5	554.7	609.1	630.9
50°	1666.4	533.0	524.3	576.5	596.1
52.5°	1355.3	491.7	485.1	535.2	554.7
55°	1087.7	446.0	439.4	493.8	513.4
57.5°	872.4	402.5	395.9	446.0	465.5
60°	696.1	359.0	348.1	398.1	417.7
62.5°	554.7	317.6	311.1	354.6	372.0
65°	435.1	280.6	276.3	315.4	326.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	343.7	245.8	248.0	280.6	293.7
70°	265.4	213.2	226.2	256.7	265.4
72.5°	200.1	180.6	208.8	234.9	245.8
75°	147.9	152.3	191.4	219.7	230.6
77.5°	102.2	126.2	176.2	206.7	217.5
80°	69.6	102.2	161.0	195.8	208.8
82.5°	41.3	84.8	147.9	184.9	200.1
85°	19.6	69.6	134.9	176.2	189.3
87.5°	6.5	56.6	121.8	167.5	178.4
90°	0.0	47.9	113.1	156.6	163.2
92.5°	0.0	41.3	102.2	143.6	147.9
95°	0.0	34.8	93.5	128.4	134.9
97.5°	0.0	32.6	87.0	115.3	124.0
100°	0.0	30.5	78.3	104.4	113.1
102.5°	0.0	26.1	69.6	93.5	102.2
105°	0.0	26.1	60.9	87.0	93.5
107.5°	2.2	23.9	56.6	78.3	87.0
110°	2.2	23.9	50.0	74.0	80.5
112.5°	2.2	23.9	47.9	67.4	76.1
115°	2.2	21.8	45.7	63.1	67.4
117.5°	2.2	21.8	43.5	56.6	60.9
120°	2.2	19.6	41.3	52.2	54.4
122.5°	2.2	19.6	39.2	47.9	50.0
125°	2.2	19.6	39.2	45.7	47.9
127.5°	2.2	17.4	37.0	43.5	43.5
130°	2.2	17.4	34.8	41.3	41.3
132.5°	2.2	15.2	32.6	39.2	41.3
135°	2.2	15.2	30.5	37.0	39.2
137.5°	2.2	13.1	28.3	34.8	37.0
140°	2.2	13.1	26.1	32.6	34.8
142.5°	2.2	10.9	23.9	30.5	32.6
145°	2.2	10.9	21.8	28.3	30.5
147.5°	2.2	10.9	19.6	26.1	28.3
150°	2.2	8.7	17.4	23.9	26.1
152.5°	2.2	8.7	15.2	21.8	23.9
155°	2.2	6.5	13.1	19.6	21.8
157.5°	2.2	6.5	13.1	17.4	19.6
160°	4.4	6.5	10.9	15.2	17.4
162.5°	2.2	4.4	10.9	13.1	15.2
165°	4.4	4.4	8.7	10.9	13.1
167.5°	4.4	4.4	6.5	8.7	10.9
170°	4.4	4.4	6.5	6.5	8.7
172.5°	4.4	4.4	4.4	6.5	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	4.4	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)