

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: P567788

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567788
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-L840-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

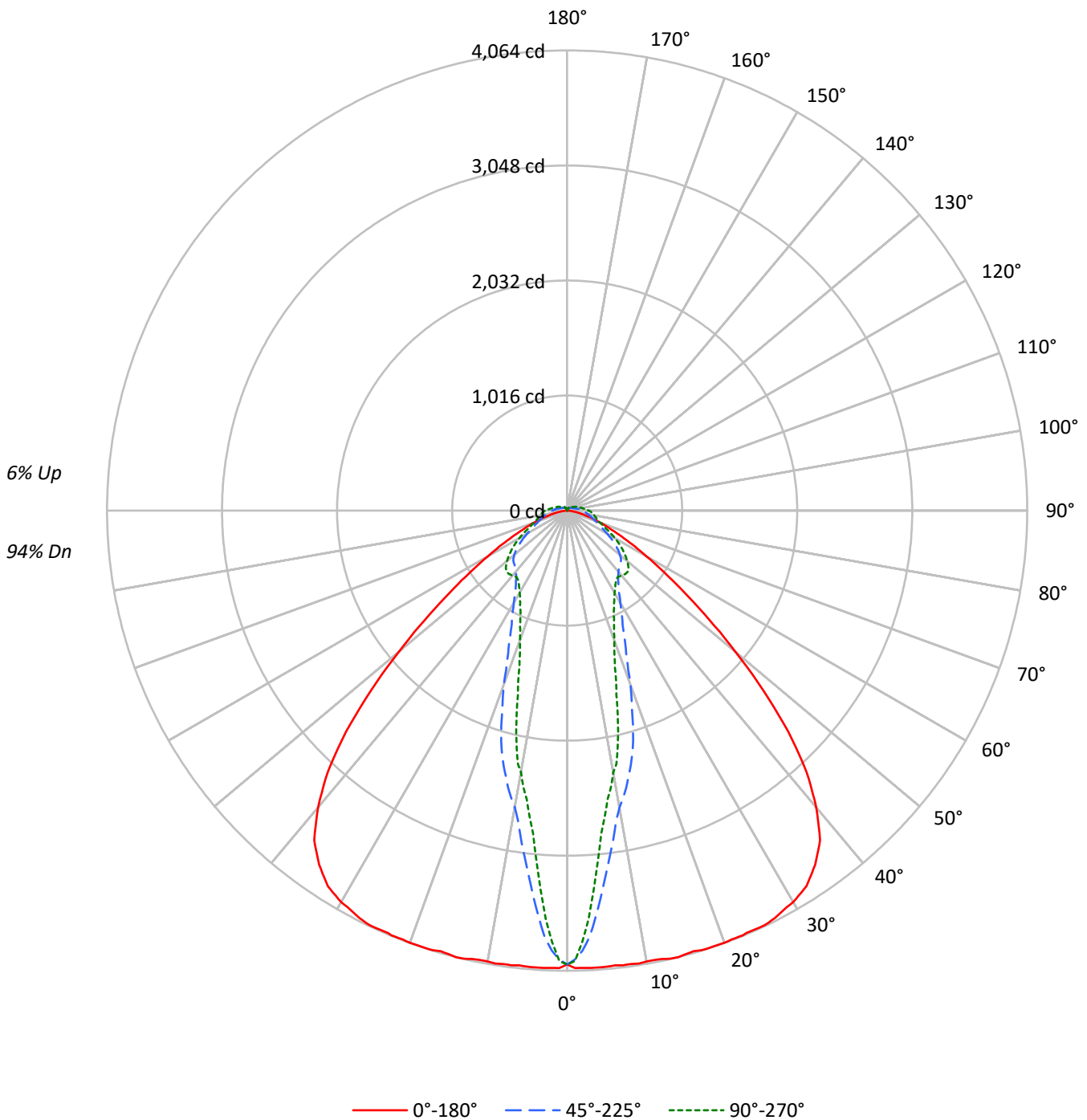
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4941.0 lumens
Efficiency: N/A
Efficacy: 179.0 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°	21573	21573	21573
5°	21807	17741	15860
10°	22018	13408	11479
15°	22463	10972	7948
20°	23087	7948	5614
25°	23857	5700	4416
30°	24521	4558	3761
35°	24727	3860	3368
40°	23639	3513	3377
45°	20578	3398	3469
50°	15847	3235	3237
55°	11537	2833	2872
60°	8418	2367	2429
65°	6173	2005	1991
70°	4598	1774	1717
75°	3322	1646	1600
80°	2245	1546	1576
85°	1137	1479	1578



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	6.4
10°-20°	684.5	13.9
20°-30°	783.5	15.9
30°-40°	784.9	15.9
40°-50°	743.0	15.0
50°-60°	569.9	11.5
60°-70°	367.3	7.4
70°-80°	234.2	4.7
80°-90°	155.5	3.1
90°-100°	104.6	2.1
100°-110°	68.9	1.4
110°-120°	47.9	1.0
120°-130°	33.4	0.7
130°-140°	23.2	0.5
140°-150°	14.2	0.3
150°-160°	7.2	0.1
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1783.3	36.1
0°-40°	2568.2	52.0
0°-60°	3881.1	78.6
0°-90°	4638.2	93.9
90°-120°	221.4	4.5
90°-150°	292.2	5.9
90°-180°	303.0	6.1
0°-180°	4941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4008	4008	4008	4008	4008	
5°	4044	3821	3424	3193	3107	386
15°	4054	2920	2226	1828	1681	1150
25°	4056	2066	1177	1023	975	1870
35°	3818	1150	788	762	752	2369
45°	2760	727	663	734	760	2098
55°	1266	519	512	575	598	1164
65°	506	327	322	367	380	521
75°	172	177	223	256	268	189
85°	23	81	157	205	220	31
90°	0	56	132	182	190	1
95°	0	40	109	149	157	0
105°	0	30	71	101	109	2
115°	2	25	53	73	78	2
125°	2	23	46	53	56	2
135°	2	18	35	43	46	2
145°	2	13	25	33	35	2
155°	2	8	15	23	25	1
165°	5	5	10	13	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4008.4	4008.4	4008.4	4008.4	4008.4
1°	4041.3	4018.5	3965.3	3980.5	3978.0
2°	4041.3	3993.2	3889.4	3859.0	3813.4
3°	4043.8	3950.1	3772.9	3674.1	3610.8
4°	4043.8	3886.8	3600.7	3436.1	3355.1
5°	4043.8	3821.0	3423.5	3193.0	3106.9
6°	4038.8	3742.5	3243.7	3000.6	2871.4
7°	4046.4	3656.4	3081.6	2820.8	2719.5
8°	4043.8	3555.1	2932.2	2684.1	2572.7
9°	4051.4	3456.4	2770.2	2554.9	2471.4
10°	4043.8	3365.2	2663.8	2433.4	2347.3
11°	4043.8	3276.6	2587.8	2354.9	2281.5
12°	4048.9	3175.3	2504.3	2243.5	2142.2
13°	4061.6	3071.5	2408.1	2121.9	2002.9
14°	4064.1	2993.0	2319.4	1967.5	1843.4
15°	4054.0	2919.6	2225.8	1828.2	1681.3
16°	4048.9	2843.6	2114.3	1696.5	1564.9
17°	4059.0	2755.0	1987.7	1562.3	1440.8
18°	4061.6	2673.9	1853.5	1461.0	1354.7
19°	4061.6	2610.6	1744.6	1367.4	1276.2
20°	4061.6	2549.9	1633.2	1296.5	1218.0
21°	4056.5	2473.9	1506.6	1223.0	1157.2
22.5°	4059.0	2332.1	1362.3	1136.9	1083.8
23°	4051.4	2296.7	1326.8	1114.1	1058.4
24°	4054.0	2195.4	1250.9	1068.6	1015.4
25°	4056.5	2066.2	1177.4	1023.0	974.9
26°	4051.4	1962.4	1116.7	979.9	947.0
27°	4038.8	1878.8	1073.6	944.5	914.1
28°	4021.0	1767.4	1028.0	914.1	886.2
29°	4003.3	1640.8	982.5	881.2	860.9
30°	3993.2	1539.5	939.4	855.9	838.1
32.5°	3932.4	1339.5	850.8	805.2	790.0
35°	3818.5	1149.6	787.5	762.2	752.0
37.5°	3669.1	1002.7	739.4	734.3	736.9
40°	3423.5	886.2	703.9	726.7	749.5
42.5°	3129.7	795.1	678.6	734.3	759.6
45°	2760.0	726.7	663.4	734.3	759.6
47.5°	2349.8	671.0	645.7	709.0	734.3
50°	1939.6	620.4	610.2	671.0	693.8
52.5°	1577.5	572.3	564.7	622.9	645.7
55°	1266.1	519.1	511.5	574.8	597.6
57.5°	1015.4	468.4	460.8	519.1	541.9
60°	810.3	417.8	405.1	463.4	486.2
62.5°	645.7	369.7	362.1	412.7	433.0
65°	506.4	326.6	321.6	367.2	379.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	400.1	286.1	288.7	326.6	341.8
70°	308.9	248.1	263.3	298.8	308.9
72.5°	233.0	210.2	243.1	273.5	286.1
75°	172.2	177.2	222.8	255.7	268.4
77.5°	119.0	146.9	205.1	240.6	253.2
80°	81.0	119.0	187.4	227.9	243.1
82.5°	48.1	98.8	172.2	215.2	233.0
85°	22.8	81.0	157.0	205.1	220.3
87.5°	7.6	65.8	141.8	195.0	207.6
90°	0.0	55.7	131.7	182.3	189.9
92.5°	0.0	48.1	119.0	167.1	172.2
95°	0.0	40.5	108.9	149.4	157.0
97.5°	0.0	38.0	101.3	134.2	144.3
100°	0.0	35.4	91.2	121.5	131.7
102.5°	0.0	30.4	81.0	108.9	119.0
105°	0.0	30.4	70.9	101.3	108.9
107.5°	2.5	27.9	65.8	91.2	101.3
110°	2.5	27.9	58.2	86.1	93.7
112.5°	2.5	27.9	55.7	78.5	88.6
115°	2.5	25.3	53.2	73.4	78.5
117.5°	2.5	25.3	50.6	65.8	70.9
120°	2.5	22.8	48.1	60.8	63.3
122.5°	2.5	22.8	45.6	55.7	58.2
125°	2.5	22.8	45.6	53.2	55.7
127.5°	2.5	20.3	43.0	50.6	50.6
130°	2.5	20.3	40.5	48.1	48.1
132.5°	2.5	17.7	38.0	45.6	48.1
135°	2.5	17.7	35.4	43.0	45.6
137.5°	2.5	15.2	32.9	40.5	43.0
140°	2.5	15.2	30.4	38.0	40.5
142.5°	2.5	12.7	27.9	35.4	38.0
145°	2.5	12.7	25.3	32.9	35.4
147.5°	2.5	12.7	22.8	30.4	32.9
150°	2.5	10.1	20.3	27.9	30.4
152.5°	2.5	10.1	17.7	25.3	27.9
155°	2.5	7.6	15.2	22.8	25.3
157.5°	2.5	7.6	15.2	20.3	22.8
160°	5.1	7.6	12.7	17.7	20.3
162.5°	2.5	5.1	12.7	15.2	17.7
165°	5.1	5.1	10.1	12.7	15.2
167.5°	5.1	5.1	7.6	10.1	12.7
170°	5.1	5.1	7.6	7.6	10.1
172.5°	5.1	5.1	5.1	7.6	5.1
175°	5.1	5.1	5.1	5.1	2.5
177.5°	5.1	5.1	5.1	5.1	2.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)