

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: P567840

Luminaire Tested: **8SNX-52SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567840
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-52SL-LC-UNV-L940-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

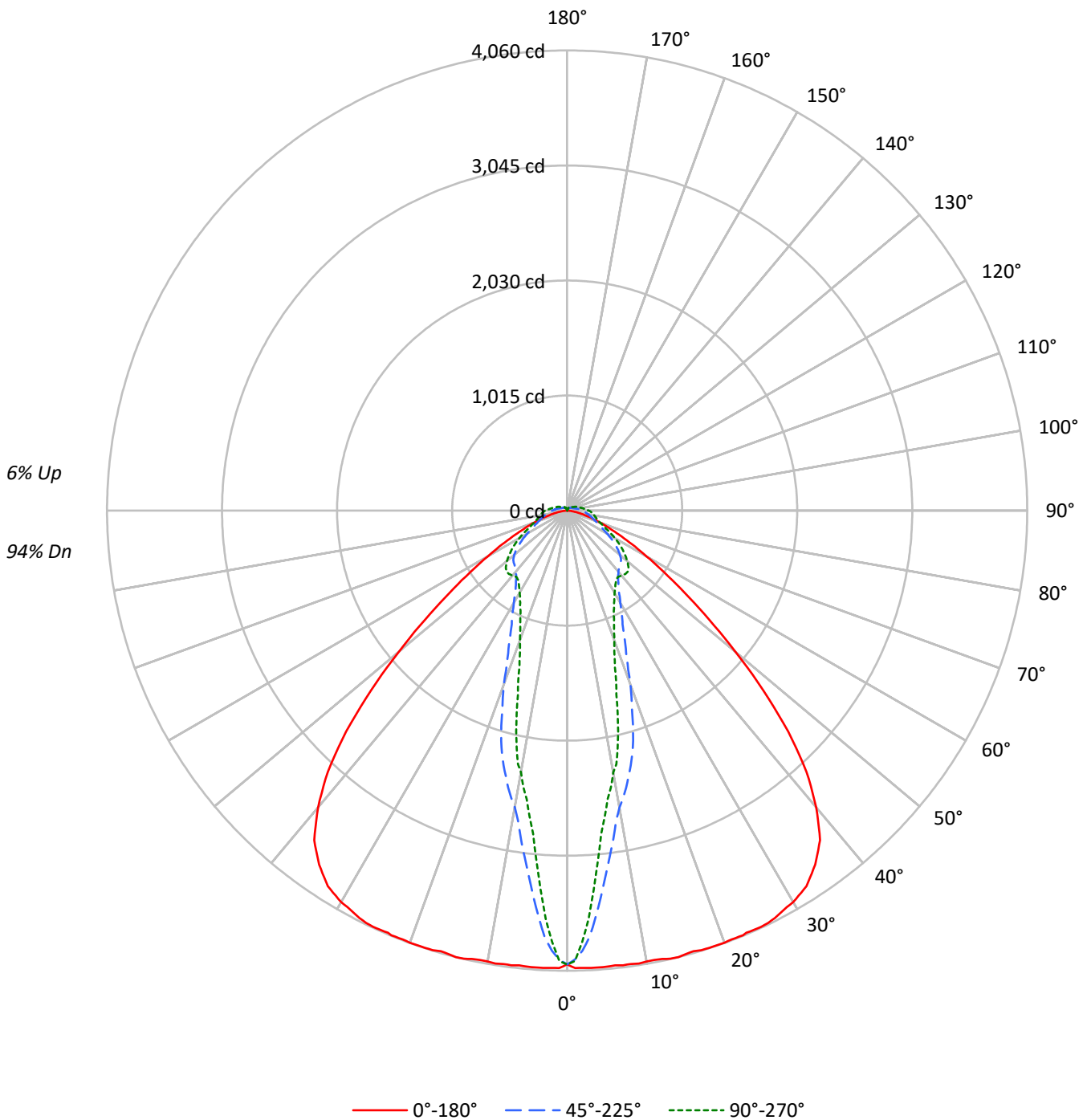
Lumens per Lamp: N/A
Luminaire Lumens: 4936.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.8
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	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°	21551	21551	21551
5°	21785	17723	15844
10°	21996	13395	11467
15°	22440	10961	7940
20°	23063	7940	5608
25°	23833	5694	4412
30°	24496	4554	3757
35°	24702	3856	3365
40°	23615	3509	3374
45°	20557	3394	3466
50°	15831	3232	3234
55°	11525	2830	2870
60°	8410	2365	2426
65°	6167	2003	1989
70°	4593	1773	1715
75°	3319	1645	1598
80°	2242	1544	1574
85°	1137	1477	1577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.9	6.4
10°-20°	683.8	13.9
20°-30°	782.8	15.9
30°-40°	784.1	15.9
40°-50°	742.3	15.0
50°-60°	569.3	11.5
60°-70°	366.9	7.4
70°-80°	234.0	4.7
80°-90°	155.4	3.1
90°-100°	104.5	2.1
100°-110°	68.8	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°	1781.5	36.1
0°-40°	2565.6	52.0
0°-60°	3877.2	78.6
0°-90°	4633.6	93.9
90°-120°	221.2	4.5
90°-150°	291.9	5.9
90°-180°	302.0	6.1
0°-180°	4936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4004	4004	4004	4004	4004	
5°	4040	3817	3420	3190	3104	386
15°	4050	2917	2224	1826	1680	1149
25°	4052	2064	1176	1022	974	1868
35°	3815	1148	787	761	751	2367
45°	2757	726	663	734	759	2096
55°	1265	519	511	574	597	1163
65°	506	326	321	367	379	520
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°	4004.3	4004.3	4004.3	4004.3	4004.3
1°	4037.2	4014.4	3961.3	3976.5	3974.0
2°	4037.2	3989.1	3885.4	3855.1	3809.5
3°	4039.7	3946.1	3769.1	3670.4	3607.2
4°	4039.7	3882.9	3597.1	3432.6	3351.7
5°	4039.7	3817.1	3420.0	3189.8	3103.8
6°	4034.7	3738.7	3240.4	2997.6	2868.5
7°	4042.3	3652.7	3078.5	2818.0	2716.8
8°	4039.7	3551.5	2929.3	2681.4	2570.1
9°	4047.3	3452.9	2767.4	2552.3	2468.9
10°	4039.7	3361.8	2661.1	2430.9	2344.9
11°	4039.7	3273.3	2585.2	2352.5	2279.2
12°	4044.8	3172.1	2501.8	2241.2	2140.0
13°	4057.4	3068.4	2405.6	2119.8	2000.9
14°	4060.0	2990.0	2317.1	1965.5	1841.5
15°	4049.9	2916.6	2223.5	1826.4	1679.6
16°	4044.8	2840.7	2112.2	1694.8	1563.3
17°	4054.9	2752.2	1985.7	1560.7	1439.3
18°	4057.4	2671.2	1851.7	1459.6	1353.3
19°	4057.4	2608.0	1742.9	1366.0	1274.9
20°	4057.4	2547.3	1631.6	1295.1	1216.7
21°	4052.4	2471.4	1505.1	1221.8	1156.0
22.5°	4054.9	2329.7	1360.9	1135.8	1082.7
23°	4047.3	2294.3	1325.5	1113.0	1057.4
24°	4049.9	2193.1	1249.6	1067.5	1014.4
25°	4052.4	2064.1	1176.3	1021.9	973.9
26°	4047.3	1960.4	1115.5	978.9	946.1
27°	4034.7	1876.9	1072.5	943.5	913.2
28°	4017.0	1765.6	1027.0	913.2	885.4
29°	3999.3	1639.2	981.5	880.3	860.1
30°	3989.1	1538.0	938.5	855.0	837.3
32.5°	3928.4	1338.1	849.9	804.4	789.2
35°	3814.6	1148.4	786.7	761.4	751.3
37.5°	3665.4	1001.7	738.6	733.6	736.1
40°	3420.0	885.4	703.2	726.0	748.8
42.5°	3126.6	794.3	677.9	733.6	758.9
45°	2757.2	726.0	662.7	733.6	758.9
47.5°	2347.4	670.3	645.0	708.3	733.6
50°	1937.7	619.7	609.6	670.3	693.1
52.5°	1575.9	571.7	564.1	622.3	645.0
55°	1264.8	518.6	511.0	574.2	597.0
57.5°	1014.4	468.0	460.4	518.6	541.3
60°	809.5	417.4	404.7	462.9	485.7
62.5°	645.0	369.3	361.7	412.3	432.6
65°	505.9	326.3	321.3	366.8	379.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	399.7	285.8	288.4	326.3	341.5
70°	308.6	247.9	263.1	298.5	308.6
72.5°	232.7	210.0	242.8	273.2	285.8
75°	172.0	177.1	222.6	255.5	268.1
77.5°	118.9	146.7	204.9	240.3	253.0
80°	80.9	118.9	187.2	227.7	242.8
82.5°	48.1	98.7	172.0	215.0	232.7
85°	22.8	80.9	156.8	204.9	220.1
87.5°	7.6	65.8	141.7	194.8	207.4
90°	0.0	55.7	131.5	182.1	189.7
92.5°	0.0	48.1	118.9	167.0	172.0
95°	0.0	40.5	108.8	149.2	156.8
97.5°	0.0	37.9	101.2	134.1	144.2
100°	0.0	35.4	91.1	121.4	131.5
102.5°	0.0	30.4	80.9	108.8	118.9
105°	0.0	30.4	70.8	101.2	108.8
107.5°	2.5	27.8	65.8	91.1	101.2
110°	2.5	27.8	58.2	86.0	93.6
112.5°	2.5	27.8	55.7	78.4	88.5
115°	2.5	25.3	53.1	73.4	78.4
117.5°	2.5	25.3	50.6	65.8	70.8
120°	2.5	22.8	48.1	60.7	63.2
122.5°	2.5	22.8	45.5	55.7	58.2
125°	2.5	22.8	45.5	53.1	55.7
127.5°	2.5	20.2	43.0	50.6	50.6
130°	2.5	20.2	40.5	48.1	48.1
132.5°	2.5	17.7	37.9	45.5	48.1
135°	2.5	17.7	35.4	43.0	45.5
137.5°	2.5	15.2	32.9	40.5	43.0
140°	2.5	15.2	30.4	37.9	40.5
142.5°	2.5	12.6	27.8	35.4	37.9
145°	2.5	12.6	25.3	32.9	35.4
147.5°	2.5	12.6	22.8	30.4	32.9
150°	2.5	10.1	20.2	27.8	30.4
152.5°	2.5	10.1	17.7	25.3	27.8
155°	2.5	7.6	15.2	22.8	25.3
157.5°	2.5	7.6	15.2	20.2	22.8
160°	5.1	7.6	12.6	17.7	20.2
162.5°	2.5	5.1	12.6	15.2	17.7
165°	5.1	5.1	10.1	12.6	15.2
167.5°	5.1	5.1	7.6	10.1	12.6
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)