

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: P567845

Luminaire Tested: **8SNX-52SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567845
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-52SL-LN-UNV-L850-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

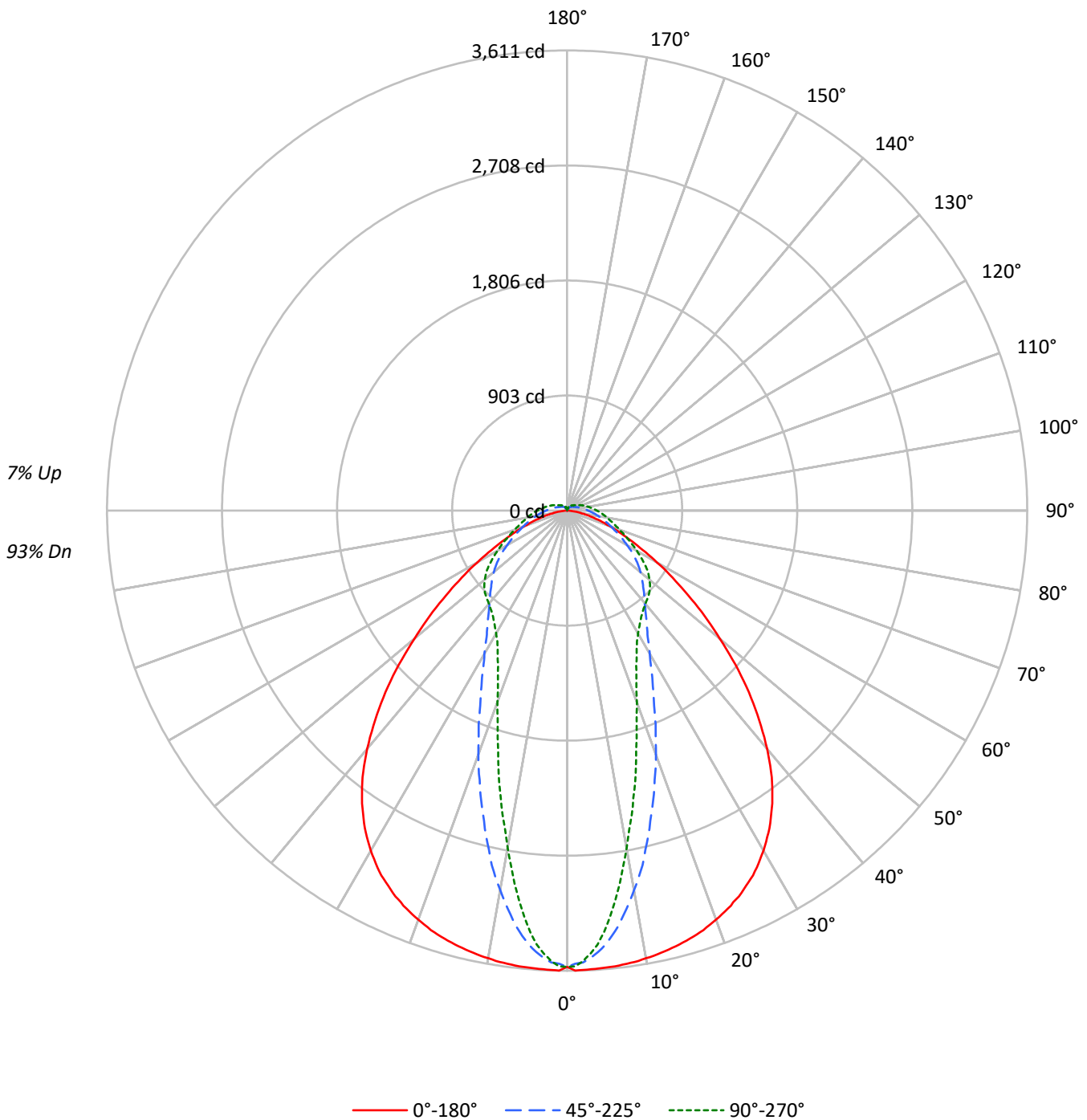
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5708.0 lumens
Efficiency: N/A
Efficacy: 174.0 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): 32.8
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

TEST NUMBER: P567845
CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567845

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

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	67	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°	19272	19272	19272
5°	19407	17735	16950
10°	19416	15223	13151
15°	19443	12432	9857
20°	19419	9914	7376
25°	19283	7776	5854
30°	18921	6300	4994
35°	18171	5337	4542
40°	16855	4717	4299
45°	15033	4320	4167
50°	12782	3981	3936
55°	10549	3611	3595
60°	8485	3181	3153
65°	6636	2798	2744
70°	5209	2479	2427
75°	4098	2232	2211
80°	2985	2048	2056
85°	1790	1916	1971



TEST NUMBER: P567845

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.1	5.6
10°-20°	743.3	13.0
20°-30°	882.3	15.5
30°-40°	887.7	15.6
40°-50°	825.1	14.5
50°-60°	679.4	11.9
60°-70°	478.8	8.4
70°-80°	312.8	5.5
80°-90°	199.7	3.5
90°-100°	131.0	2.3
100°-110°	88.9	1.6
110°-120°	60.9	1.1
120°-130°	42.2	0.7
130°-140°	28.4	0.5
140°-150°	17.5	0.3
150°-160°	9.1	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1942.7	34.0
0°-40°	2830.4	49.6
0°-60°	4335.0	75.9
0°-90°	5326.3	93.3
90°-120°	280.8	4.9
90°-150°	368.8	6.5
90°-180°	382.0	6.7
0°-180°	5708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3581	3581	3581	3581	3581	
5°	3599	3551	3422	3356	3320	343
15°	3509	3135	2522	2205	2085	991
25°	3279	2423	1606	1349	1292	1509
35°	2806	1639	1089	1020	1014	1745
45°	2016	1080	844	888	912	1548
55°	1158	709	652	724	748	1046
65°	544	428	449	506	524	552
75°	212	221	302	356	371	230
85°	36	102	203	263	275	45
90°	0	69	164	224	233	2
95°	0	51	138	188	197	0
105°	0	36	93	132	144	0
115°	3	30	66	96	102	3
125°	3	24	54	69	75	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567845

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3580.8	3580.8	3580.8	3580.8	3580.8
1°	3610.7	3595.8	3556.9	3583.8	3577.8
2°	3607.7	3592.8	3547.9	3559.9	3538.9
3°	3604.7	3583.8	3515.0	3512.0	3482.1
4°	3601.7	3568.8	3473.1	3437.2	3413.3
5°	3598.7	3550.9	3422.3	3356.4	3320.5
6°	3595.8	3529.9	3356.4	3257.7	3206.9
7°	3589.8	3497.0	3287.6	3153.0	3087.2
8°	3583.8	3467.1	3200.9	3039.3	2958.6
9°	3577.8	3428.2	3114.1	2916.7	2821.0
10°	3565.8	3389.3	3024.4	2791.0	2689.3
11°	3559.9	3344.5	2937.6	2671.4	2551.7
12°	3547.9	3296.6	2844.9	2545.7	2441.0
13°	3535.9	3245.8	2731.2	2438.1	2312.4
14°	3524.0	3191.9	2632.5	2318.4	2201.7
15°	3509.0	3135.1	2521.8	2204.7	2085.1
16°	3494.0	3069.3	2423.1	2088.1	1962.4
17°	3479.1	3006.4	2330.4	1980.4	1866.7
18°	3461.1	2943.6	2222.7	1875.7	1765.0
19°	3437.2	2871.8	2135.9	1779.9	1678.2
20°	3416.3	2806.0	2037.2	1690.2	1600.4
21°	3392.3	2725.2	1938.5	1606.4	1516.7
22.5°	3356.4	2611.6	1812.8	1501.7	1418.0
23°	3338.5	2578.7	1762.0	1462.8	1391.0
24°	3314.6	2491.9	1678.2	1403.0	1331.2
25°	3278.7	2423.1	1606.4	1349.2	1292.3
26°	3245.8	2339.3	1534.6	1301.3	1244.5
27°	3212.8	2258.6	1471.8	1250.4	1202.6
28°	3171.0	2174.8	1403.0	1208.6	1166.7
29°	3126.1	2097.0	1346.2	1172.7	1139.8
30°	3081.2	2010.3	1298.3	1139.8	1112.8
32.5°	2955.6	1818.8	1175.7	1076.9	1059.0
35°	2806.0	1639.3	1088.9	1020.1	1014.1
37.5°	2638.5	1474.8	1011.1	975.2	981.2
40°	2441.0	1325.2	945.3	942.3	954.3
42.5°	2231.6	1196.6	894.5	915.4	933.3
45°	2016.3	1079.9	843.6	888.5	912.4
47.5°	1791.9	978.2	798.7	855.6	882.5
50°	1564.5	879.5	750.9	816.7	843.6
52.5°	1361.1	792.7	703.0	771.8	801.7
55°	1157.7	709.0	652.1	723.9	747.9
57.5°	981.2	631.2	598.3	670.1	688.0
60°	816.7	556.4	544.4	610.3	631.2
62.5°	667.1	490.6	493.6	556.4	577.4
65°	544.4	427.8	448.7	505.6	523.5



TEST NUMBER: P567845

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	442.7	368.0	403.8	463.7	478.6
70°	350.0	314.1	368.0	421.8	436.8
72.5°	278.2	266.2	332.1	388.9	400.9
75°	212.4	221.4	302.1	356.0	370.9
77.5°	152.6	185.5	272.2	329.1	341.0
80°	107.7	152.6	248.3	305.1	317.1
82.5°	68.8	125.6	224.4	284.2	296.2
85°	35.9	101.7	203.4	263.3	275.2
87.5°	15.0	83.8	182.5	242.3	254.3
90°	0.0	68.8	164.5	224.4	233.3
92.5°	0.0	59.8	149.6	206.4	215.4
95°	0.0	50.9	137.6	188.5	197.4
97.5°	0.0	47.9	122.7	173.5	182.5
100°	0.0	41.9	110.7	158.5	170.5
102.5°	0.0	38.9	101.7	143.6	155.6
105°	0.0	35.9	92.7	131.6	143.6
107.5°	0.0	32.9	86.8	122.7	131.6
110°	0.0	32.9	77.8	113.7	122.7
112.5°	3.0	29.9	71.8	101.7	110.7
115°	3.0	29.9	65.8	95.7	101.7
117.5°	3.0	29.9	62.8	86.8	92.7
120°	3.0	26.9	59.8	80.8	86.8
122.5°	3.0	26.9	56.8	74.8	77.8
125°	3.0	23.9	53.8	68.8	74.8
127.5°	3.0	23.9	50.9	65.8	68.8
130°	3.0	23.9	47.9	59.8	65.8
132.5°	3.0	20.9	44.9	56.8	59.8
135°	3.0	20.9	41.9	53.8	56.8
137.5°	3.0	17.9	38.9	50.9	53.8
140°	3.0	17.9	35.9	47.9	50.9
142.5°	3.0	15.0	32.9	44.9	47.9
145°	3.0	15.0	29.9	41.9	44.9
147.5°	3.0	15.0	26.9	38.9	41.9
150°	3.0	12.0	23.9	35.9	38.9
152.5°	3.0	12.0	20.9	32.9	35.9
155°	3.0	12.0	20.9	29.9	32.9
157.5°	3.0	9.0	17.9	23.9	29.9
160°	3.0	9.0	15.0	20.9	26.9
162.5°	3.0	9.0	15.0	17.9	20.9
165°	3.0	6.0	12.0	15.0	17.9
167.5°	3.0	6.0	9.0	12.0	15.0
170°	3.0	6.0	9.0	9.0	12.0
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



TEST NUMBER: P567845

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)