

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: P567843

Luminaire Tested: **8SNX-52SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567843
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-L835-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

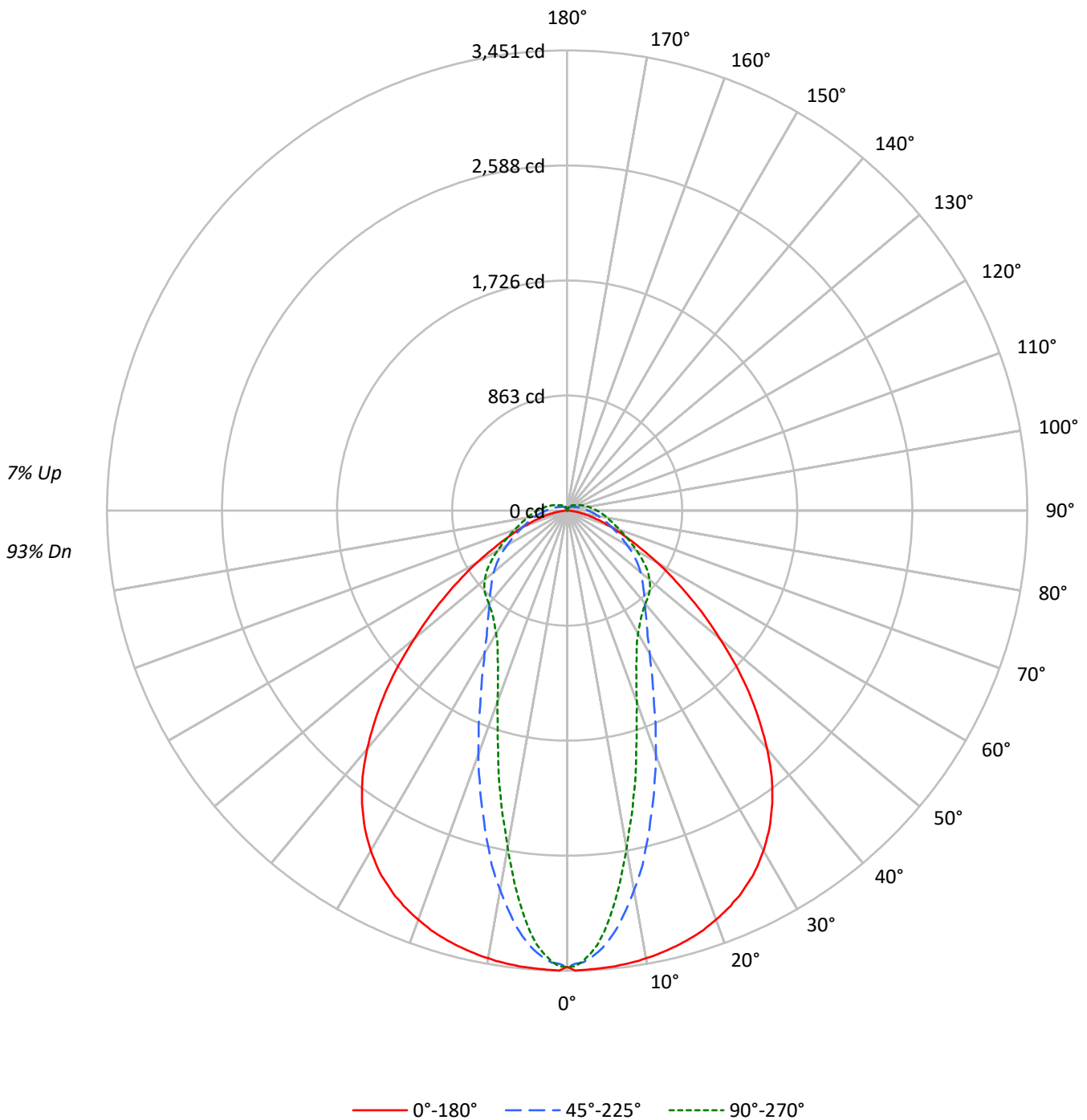
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5455.0 lumens
Efficiency: N/A
Efficacy: 166.3 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

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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	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°	18418	18418	18418
5°	18547	16949	16199
10°	18555	14548	12568
15°	18581	11880	9420
20°	18558	9474	7049
25°	18428	7432	5595
30°	18082	6021	4772
35°	17365	5101	4341
40°	16108	4508	4109
45°	14367	4129	3982
50°	12216	3804	3762
55°	10082	3451	3435
60°	8109	3040	3013
65°	6343	2673	2622
70°	4979	2369	2320
75°	3917	2133	2113
80°	2852	1958	1964
85°	1711	1831	1884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	5.6
10°-20°	710.3	13.0
20°-30°	843.2	15.5
30°-40°	848.3	15.6
40°-50°	788.6	14.5
50°-60°	649.3	11.9
60°-70°	457.5	8.4
70°-80°	298.9	5.5
80°-90°	190.8	3.5
90°-100°	125.2	2.3
100°-110°	85.0	1.6
110°-120°	58.2	1.1
120°-130°	40.3	0.7
130°-140°	27.1	0.5
140°-150°	16.7	0.3
150°-160°	8.7	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1856.6	34.0
0°-40°	2704.9	49.6
0°-60°	4142.8	75.9
0°-90°	5090.2	93.3
90°-120°	268.4	4.9
90°-150°	352.5	6.5
90°-180°	365.0	6.7
0°-180°	5455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3422	3422	3422	3422	3422	
5°	3439	3394	3271	3208	3173	327
15°	3354	2996	2410	2107	1993	947
25°	3133	2316	1535	1289	1235	1442
35°	2682	1567	1041	975	969	1668
45°	1927	1032	806	849	872	1479
55°	1106	678	623	692	715	999
65°	520	409	429	483	500	528
75°	203	212	289	340	354	220
85°	34	97	194	252	263	43
90°	0	66	157	214	223	2
95°	0	49	132	180	189	0
105°	0	34	89	126	137	0
115°	3	29	63	92	97	3
125°	3	23	52	66	72	3
135°	3	20	40	52	54	2
145°	3	14	29	40	43	2
155°	3	11	20	29	31	1
165°	3	6	11	14	17	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3422.1	3422.1	3422.1	3422.1	3422.1
1°	3450.7	3436.4	3399.2	3424.9	3419.2
2°	3447.8	3433.5	3390.6	3402.1	3382.1
3°	3445.0	3424.9	3359.2	3356.3	3327.7
4°	3442.1	3410.6	3319.2	3284.9	3262.0
5°	3439.2	3393.5	3270.6	3207.7	3173.4
6°	3436.4	3373.5	3207.7	3113.3	3064.7
7°	3430.7	3342.0	3141.9	3013.3	2950.4
8°	3424.9	3313.4	3059.0	2904.6	2827.4
9°	3419.2	3276.3	2976.1	2787.4	2695.9
10°	3407.8	3239.1	2890.3	2667.3	2570.1
11°	3402.1	3196.2	2807.4	2553.0	2438.6
12°	3390.6	3150.5	2718.8	2432.9	2332.8
13°	3379.2	3101.9	2610.2	2330.0	2209.9
14°	3367.8	3050.4	2515.8	2215.6	2104.1
15°	3353.5	2996.1	2410.0	2107.0	1992.6
16°	3339.2	2933.2	2315.7	1995.5	1875.4
17°	3324.9	2873.2	2227.1	1892.6	1783.9
18°	3307.7	2813.1	2124.2	1792.5	1686.7
19°	3284.9	2744.5	2041.2	1701.0	1603.8
20°	3264.8	2681.6	1946.9	1615.3	1529.5
21°	3242.0	2604.4	1852.6	1535.2	1449.5
22.5°	3207.7	2495.8	1732.5	1435.2	1355.1
23°	3190.5	2464.4	1683.9	1398.0	1329.4
24°	3167.6	2381.5	1603.8	1340.8	1272.2
25°	3133.3	2315.7	1535.2	1289.4	1235.0
26°	3101.9	2235.6	1466.6	1243.6	1189.3
27°	3070.4	2158.5	1406.6	1195.0	1149.3
28°	3030.4	2078.4	1340.8	1155.0	1115.0
29°	2987.5	2004.1	1286.5	1120.7	1089.2
30°	2944.7	1921.2	1240.8	1089.2	1063.5
32.5°	2824.6	1738.2	1123.5	1029.2	1012.0
35°	2681.6	1566.7	1040.6	974.9	969.2
37.5°	2521.5	1409.4	966.3	932.0	937.7
40°	2332.8	1266.5	903.4	900.5	912.0
42.5°	2132.7	1143.6	854.8	874.8	892.0
45°	1926.9	1032.1	806.2	849.1	872.0
47.5°	1712.5	934.9	763.3	817.6	843.4
50°	1495.2	840.5	717.6	780.5	806.2
52.5°	1300.8	757.6	671.8	737.6	766.2
55°	1106.4	677.6	623.2	691.9	714.7
57.5°	937.7	603.2	571.8	640.4	657.5
60°	780.5	531.8	520.3	583.2	603.2
62.5°	637.5	468.9	471.7	531.8	551.8
65°	520.3	408.8	428.8	483.2	500.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	423.1	351.6	385.9	443.1	457.4
70°	334.5	300.2	351.6	403.1	417.4
72.5°	265.9	254.4	317.3	371.7	383.1
75°	203.0	211.6	288.7	340.2	354.5
77.5°	145.8	177.3	260.2	314.5	325.9
80°	102.9	145.8	237.3	291.6	303.0
82.5°	65.8	120.1	214.4	271.6	283.0
85°	34.3	97.2	194.4	251.6	263.0
87.5°	14.3	80.0	174.4	231.6	243.0
90°	0.0	65.8	157.2	214.4	223.0
92.5°	0.0	57.2	142.9	197.3	205.8
95°	0.0	48.6	131.5	180.1	188.7
97.5°	0.0	45.7	117.2	165.8	174.4
100°	0.0	40.0	105.8	151.5	163.0
102.5°	0.0	37.2	97.2	137.2	148.7
105°	0.0	34.3	88.6	125.8	137.2
107.5°	0.0	31.4	82.9	117.2	125.8
110°	0.0	31.4	74.3	108.6	117.2
112.5°	2.9	28.6	68.6	97.2	105.8
115°	2.9	28.6	62.9	91.5	97.2
117.5°	2.9	28.6	60.0	82.9	88.6
120°	2.9	25.7	57.2	77.2	82.9
122.5°	2.9	25.7	54.3	71.5	74.3
125°	2.9	22.9	51.5	65.8	71.5
127.5°	2.9	22.9	48.6	62.9	65.8
130°	2.9	22.9	45.7	57.2	62.9
132.5°	2.9	20.0	42.9	54.3	57.2
135°	2.9	20.0	40.0	51.5	54.3
137.5°	2.9	17.2	37.2	48.6	51.5
140°	2.9	17.2	34.3	45.7	48.6
142.5°	2.9	14.3	31.4	42.9	45.7
145°	2.9	14.3	28.6	40.0	42.9
147.5°	2.9	14.3	25.7	37.2	40.0
150°	2.9	11.4	22.9	34.3	37.2
152.5°	2.9	11.4	20.0	31.4	34.3
155°	2.9	11.4	20.0	28.6	31.4
157.5°	2.9	8.6	17.2	22.9	28.6
160°	2.9	8.6	14.3	20.0	25.7
162.5°	2.9	8.6	14.3	17.2	20.0
165°	2.9	5.7	11.4	14.3	17.2
167.5°	2.9	5.7	8.6	11.4	14.3
170°	2.9	5.7	8.6	8.6	11.4
172.5°	2.9	5.7	5.7	5.7	5.7
175°	5.7	5.7	5.7	5.7	2.9
177.5°	5.7	5.7	5.7	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)