

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: P567838

Luminaire Tested: **8SNX-52SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567838
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-L930-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

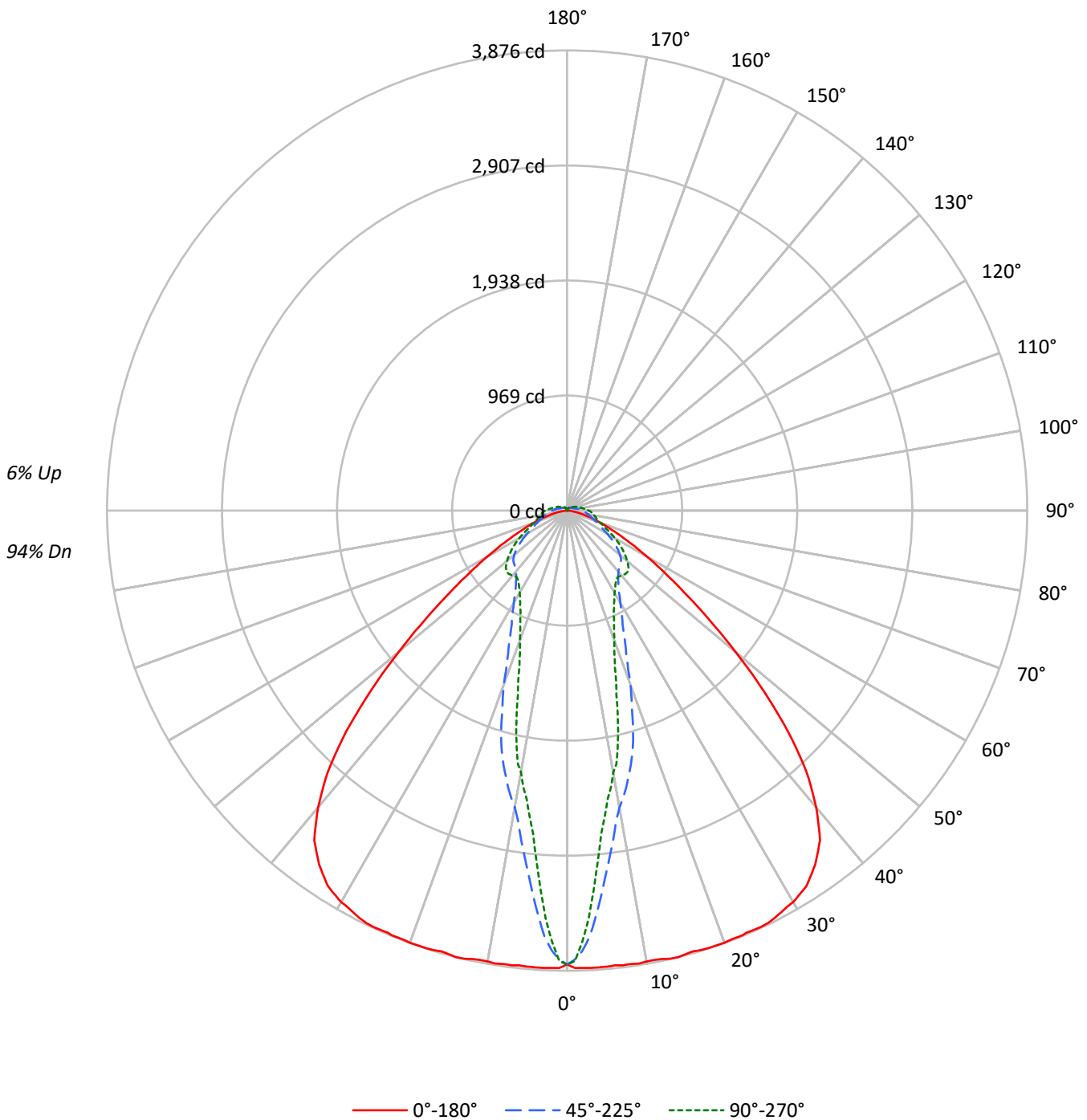
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4712.0 lumens
Efficiency: N/A
Efficacy: 143.7 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	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°	20573	20573	20573
5°	20796	16919	15125
10°	20998	12787	10947
15°	21422	10464	7580
20°	22017	7579	5353
25°	22751	5436	4212
30°	23384	4347	3587
35°	23581	3681	3212
40°	22543	3350	3220
45°	19625	3240	3308
50°	15112	3085	3087
55°	11002	2701	2739
60°	8028	2258	2316
65°	5888	1912	1898
70°	4385	1692	1637
75°	3168	1570	1526
80°	2143	1474	1503
85°	1082	1410	1505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.6	6.4
10°-20°	652.8	13.9
20°-30°	747.2	15.9
30°-40°	748.6	15.9
40°-50°	708.6	15.0
50°-60°	543.4	11.5
60°-70°	350.3	7.4
70°-80°	223.4	4.7
80°-90°	148.3	3.1
90°-100°	99.7	2.1
100°-110°	65.7	1.4
110°-120°	45.7	1.0
120°-130°	31.9	0.7
130°-140°	22.1	0.5
140°-150°	13.5	0.3
150°-160°	6.9	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1700.7	36.1
0°-40°	2449.2	52.0
0°-60°	3701.3	78.6
0°-90°	4423.3	93.9
90°-120°	211.1	4.5
90°-150°	278.7	5.9
90°-180°	289.0	6.1
0°-180°	4712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3823	3823	3823	3823	3823	
5°	3856	3644	3265	3045	2963	368
15°	3866	2784	2123	1744	1603	1097
25°	3868	1970	1123	976	930	1783
35°	3642	1096	751	727	717	2259
45°	2632	693	633	700	724	2001
55°	1207	495	488	548	570	1110
65°	483	312	307	350	362	497
75°	164	169	212	244	256	181
85°	22	77	150	196	210	30
90°	0	53	126	174	181	1
95°	0	39	104	142	150	0
105°	0	29	68	97	104	2
115°	2	24	51	70	75	2
125°	2	22	44	51	53	2
135°	2	17	34	41	44	2
145°	2	12	24	31	34	2
155°	2	7	14	22	24	1
165°	5	5	10	12	14	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°	3822.6	3822.6	3822.6	3822.6	3822.6
1°	3854.0	3832.3	3781.6	3796.0	3793.6
2°	3854.0	3808.1	3709.1	3680.1	3636.7
3°	3856.4	3767.1	3598.0	3503.9	3443.5
4°	3856.4	3706.7	3433.8	3276.9	3199.6
5°	3856.4	3643.9	3264.8	3045.0	2962.9
6°	3851.6	3569.1	3093.3	2861.5	2738.4
7°	3858.8	3486.9	2938.8	2690.1	2593.5
8°	3856.4	3390.4	2796.3	2559.7	2453.4
9°	3863.7	3296.2	2641.8	2436.5	2356.8
10°	3856.4	3209.2	2540.4	2320.6	2238.5
11°	3856.4	3124.7	2467.9	2245.7	2175.7
12°	3861.2	3028.1	2388.2	2139.5	2042.9
13°	3873.3	2929.1	2296.5	2023.6	1910.1
14°	3875.7	2854.3	2211.9	1876.3	1758.0
15°	3866.1	2784.2	2122.6	1743.5	1603.4
16°	3861.2	2711.8	2016.3	1617.9	1492.3
17°	3870.9	2627.3	1895.6	1489.9	1374.0
18°	3873.3	2550.0	1767.6	1393.3	1291.9
19°	3873.3	2489.6	1663.8	1304.0	1217.1
20°	3873.3	2431.7	1557.5	1236.4	1161.5
21°	3868.5	2359.2	1436.8	1166.3	1103.6
22.5°	3870.9	2224.0	1299.2	1084.2	1033.5
23°	3863.7	2190.2	1265.3	1062.5	1009.4
24°	3866.1	2093.6	1192.9	1019.0	968.3
25°	3868.5	1970.5	1122.9	975.6	929.7
26°	3863.7	1871.5	1064.9	934.5	903.1
27°	3851.6	1791.8	1023.9	900.7	871.7
28°	3834.7	1685.5	980.4	871.7	845.2
29°	3817.8	1564.8	936.9	840.3	821.0
30°	3808.1	1468.2	895.9	816.2	799.3
32.5°	3750.2	1277.4	811.4	767.9	753.4
35°	3641.5	1096.3	751.0	726.8	717.2
37.5°	3499.0	956.3	705.1	700.3	702.7
40°	3264.8	845.2	671.3	693.0	714.8
42.5°	2984.7	758.2	647.2	700.3	724.4
45°	2632.1	693.0	632.7	700.3	724.4
47.5°	2240.9	639.9	615.8	676.1	700.3
50°	1849.7	591.6	582.0	639.9	661.7
52.5°	1504.4	545.7	538.5	594.0	615.8
55°	1207.4	495.0	487.8	548.2	569.9
57.5°	968.3	446.7	439.5	495.0	516.8
60°	772.7	398.4	386.4	441.9	463.6
62.5°	615.8	352.6	345.3	393.6	412.9
65°	483.0	311.5	306.7	350.1	362.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	381.5	272.9	275.3	311.5	326.0
70°	294.6	236.6	251.1	284.9	294.6
72.5°	222.2	200.4	231.8	260.8	272.9
75°	164.2	169.0	212.5	243.9	256.0
77.5°	113.5	140.1	195.6	229.4	241.5
80°	77.3	113.5	178.7	217.3	231.8
82.5°	45.9	94.2	164.2	205.3	222.2
85°	21.7	77.3	149.7	195.6	210.1
87.5°	7.2	62.8	135.2	185.9	198.0
90°	0.0	53.1	125.6	173.9	181.1
92.5°	0.0	45.9	113.5	159.4	164.2
95°	0.0	38.6	103.8	142.5	149.7
97.5°	0.0	36.2	96.6	128.0	137.6
100°	0.0	33.8	86.9	115.9	125.6
102.5°	0.0	29.0	77.3	103.8	113.5
105°	0.0	29.0	67.6	96.6	103.8
107.5°	2.4	26.6	62.8	86.9	96.6
110°	2.4	26.6	55.5	82.1	89.3
112.5°	2.4	26.6	53.1	74.9	84.5
115°	2.4	24.1	50.7	70.0	74.9
117.5°	2.4	24.1	48.3	62.8	67.6
120°	2.4	21.7	45.9	58.0	60.4
122.5°	2.4	21.7	43.5	53.1	55.5
125°	2.4	21.7	43.5	50.7	53.1
127.5°	2.4	19.3	41.1	48.3	48.3
130°	2.4	19.3	38.6	45.9	45.9
132.5°	2.4	16.9	36.2	43.5	45.9
135°	2.4	16.9	33.8	41.1	43.5
137.5°	2.4	14.5	31.4	38.6	41.1
140°	2.4	14.5	29.0	36.2	38.6
142.5°	2.4	12.1	26.6	33.8	36.2
145°	2.4	12.1	24.1	31.4	33.8
147.5°	2.4	12.1	21.7	29.0	31.4
150°	2.4	9.7	19.3	26.6	29.0
152.5°	2.4	9.7	16.9	24.1	26.6
155°	2.4	7.2	14.5	21.7	24.1
157.5°	2.4	7.2	14.5	19.3	21.7
160°	4.8	7.2	12.1	16.9	19.3
162.5°	2.4	4.8	12.1	14.5	16.9
165°	4.8	4.8	9.7	12.1	14.5
167.5°	4.8	4.8	7.2	9.7	12.1
170°	4.8	4.8	7.2	7.2	9.7
172.5°	4.8	4.8	4.8	7.2	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	4.8	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)