

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: P567169

Luminaire Tested: **8SNX-102SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567169
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-102SL-LC-UNV-L950-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

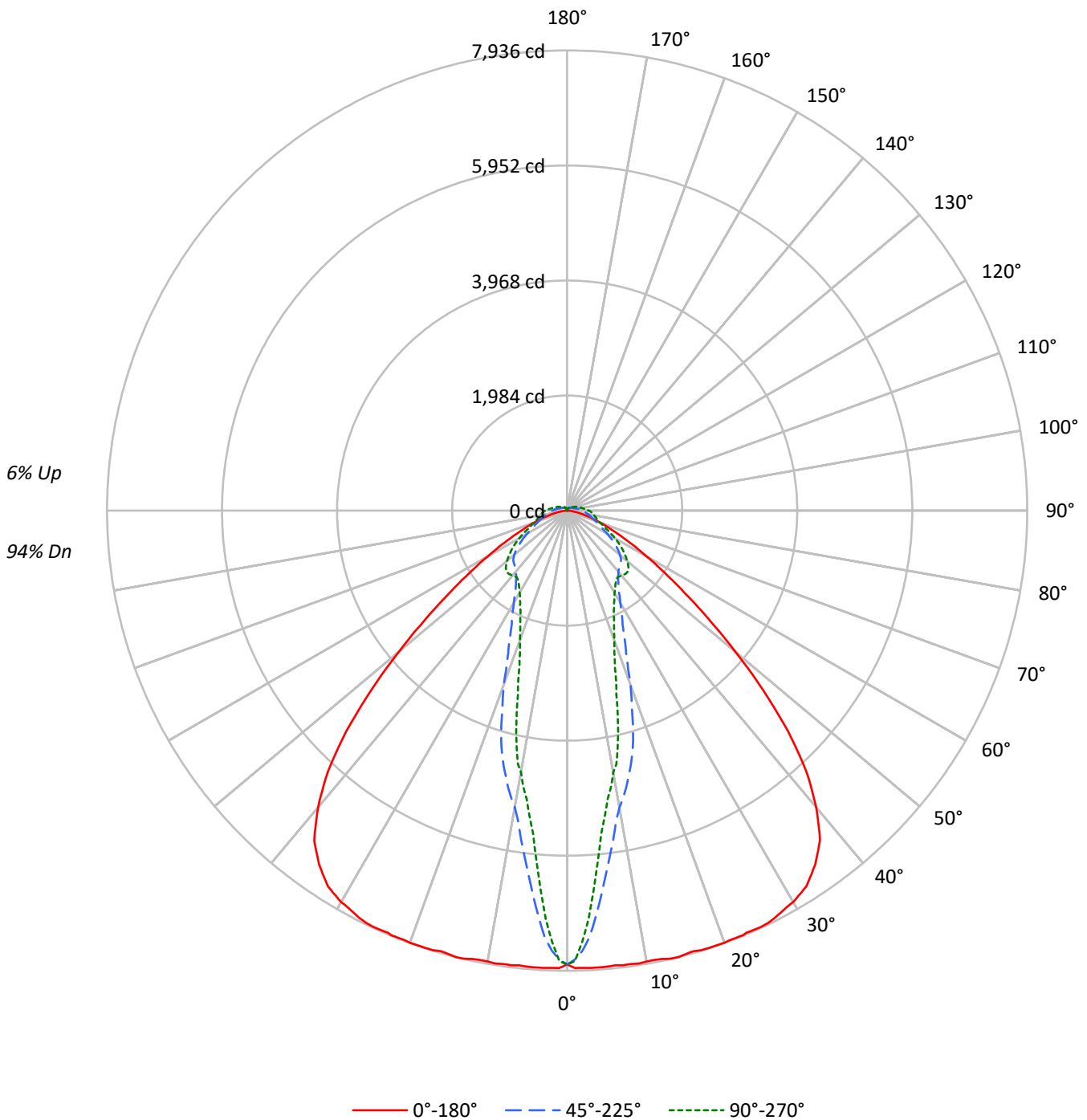
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9648.0 lumens
Efficiency: N/A
Efficacy: 137.8 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): 70
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	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°	42124	42124	42124
5°	42581	34641	30969
10°	42994	26182	22413
15°	43861	21425	15520
20°	45081	15519	10961
25°	46584	11130	8623
30°	47881	8902	7344
35°	48283	7537	6578
40°	46158	6859	6594
45°	40183	6634	6774
50°	30943	6317	6321
55°	22527	5531	5609
60°	16438	4623	4742
65°	12055	3915	3887
70°	8978	3464	3352
75°	6487	3215	3124
80°	4385	3018	3077
85°	2219	2888	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.5	6.4
10°-20°	1336.6	13.9
20°-30°	1530.0	15.9
30°-40°	1532.7	15.9
40°-50°	1450.9	15.0
50°-60°	1112.7	11.5
60°-70°	717.2	7.4
70°-80°	457.4	4.7
80°-90°	303.7	3.1
90°-100°	204.2	2.1
100°-110°	134.5	1.4
110°-120°	93.6	1.0
120°-130°	65.3	0.7
130°-140°	45.3	0.5
140°-150°	27.7	0.3
150°-160°	14.1	0.1
160°-170°	5.4	0.1
170°-180°	1.0	0.0
0°-30°	3482.2	36.1
0°-40°	5014.9	52.0
0°-60°	7578.5	78.6
0°-90°	9056.9	93.9
90°-120°	432.3	4.5
90°-150°	570.6	5.9
90°-180°	591.0	6.1
0°-180°	9648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7827	7827	7827	7827	7827	
5°	7896	7461	6685	6235	6067	754
15°	7916	5701	4346	3570	3283	2245
25°	7921	4035	2299	1998	1904	3652
35°	7456	2245	1538	1488	1468	4626
45°	5389	1419	1295	1434	1483	4098
55°	2472	1014	999	1122	1167	2273
65°	989	638	628	717	742	1017
75°	336	346	435	499	524	370
85°	44	158	307	400	430	61
90°	0	109	257	356	371	2
95°	0	79	213	292	307	0
105°	0	59	138	198	213	3
115°	5	49	104	143	153	5
125°	5	44	89	104	109	4
135°	5	35	69	84	89	4
145°	5	25	49	64	69	3
155°	5	15	30	44	49	3
165°	10	10	20	25	30	2
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7826.9	7826.9	7826.9	7826.9	7826.9
1°	7891.2	7846.7	7742.9	7772.5	7767.6
2°	7891.2	7797.3	7594.5	7535.2	7446.2
3°	7896.1	7713.2	7367.1	7174.3	7050.7
4°	7896.1	7589.6	7030.9	6709.5	6551.3
5°	7896.1	7461.0	6684.8	6234.8	6066.7
6°	7886.3	7307.8	6333.7	5859.1	5606.9
7°	7901.1	7139.7	6017.3	5508.0	5310.2
8°	7896.1	6941.9	5725.6	5241.0	5023.5
9°	7911.0	6749.1	5409.1	4988.9	4825.7
10°	7896.1	6571.1	5201.5	4751.5	4583.4
11°	7896.1	6398.0	5053.1	4598.3	4454.9
12°	7906.0	6200.2	4890.0	4380.7	4182.9
13°	7930.8	5997.5	4702.1	4143.4	3911.0
14°	7935.7	5844.2	4529.0	3841.8	3599.5
15°	7915.9	5700.8	4346.1	3569.8	3283.1
16°	7906.0	5552.5	4128.5	3312.7	3055.6
17°	7925.8	5379.5	3881.3	3050.7	2813.3
18°	7930.8	5221.2	3619.3	2852.9	2645.2
19°	7930.8	5097.6	3406.7	2670.0	2492.0
20°	7930.8	4979.0	3189.1	2531.5	2378.2
21°	7920.9	4830.6	2941.9	2388.1	2259.6
22.5°	7925.8	4553.8	2660.1	2220.0	2116.2
23°	7911.0	4484.5	2590.8	2175.5	2066.7
24°	7915.9	4286.8	2442.5	2086.5	1982.7
25°	7920.9	4034.6	2299.1	1997.5	1903.6
26°	7911.0	3831.9	2180.5	1913.5	1849.2
27°	7886.3	3668.7	2096.4	1844.2	1784.9
28°	7851.6	3451.2	2007.4	1784.9	1730.5
29°	7817.0	3203.9	1918.4	1720.6	1681.1
30°	7797.3	3006.2	1834.4	1671.2	1636.6
32.5°	7678.6	2615.6	1661.3	1572.3	1542.6
35°	7456.1	2244.7	1537.7	1488.3	1468.5
37.5°	7164.4	1958.0	1443.8	1433.9	1438.8
40°	6684.8	1730.5	1374.5	1419.0	1463.5
42.5°	6111.2	1552.5	1325.1	1433.9	1483.3
45°	5389.4	1419.0	1295.4	1433.9	1483.3
47.5°	4588.4	1310.3	1260.8	1384.4	1433.9
50°	3787.4	1211.4	1191.6	1310.3	1354.8
52.5°	3080.3	1117.4	1102.6	1216.3	1260.8
55°	2472.2	1013.6	998.8	1122.4	1166.9
57.5°	1982.7	914.7	899.9	1013.6	1058.1
60°	1582.2	815.8	791.1	904.8	949.3
62.5°	1260.8	721.9	707.0	805.9	845.5
65°	988.9	637.8	627.9	716.9	741.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	781.2	558.7	563.7	637.8	667.5
70°	603.2	484.5	514.2	583.4	603.2
72.5°	454.9	410.4	474.7	534.0	558.7
75°	336.2	346.1	435.1	499.4	524.1
77.5°	232.4	286.8	400.5	469.7	494.4
80°	158.2	232.4	365.9	445.0	474.7
82.5°	93.9	192.8	336.2	420.3	454.9
85°	44.5	158.2	306.6	400.5	430.2
87.5°	14.8	128.6	276.9	380.7	405.4
90°	0.0	108.8	257.1	356.0	370.8
92.5°	0.0	93.9	232.4	326.3	336.2
95°	0.0	79.1	212.6	291.7	306.6
97.5°	0.0	74.2	197.8	262.1	281.8
100°	0.0	69.2	178.0	237.3	257.1
102.5°	0.0	59.3	158.2	212.6	232.4
105°	0.0	59.3	138.4	197.8	212.6
107.5°	4.9	54.4	128.6	178.0	197.8
110°	4.9	54.4	113.7	168.1	182.9
112.5°	4.9	54.4	108.8	153.3	173.1
115°	4.9	49.4	103.8	143.4	153.3
117.5°	4.9	49.4	98.9	128.6	138.4
120°	4.9	44.5	93.9	118.7	123.6
122.5°	4.9	44.5	89.0	108.8	113.7
125°	4.9	44.5	89.0	103.8	108.8
127.5°	4.9	39.6	84.1	98.9	98.9
130°	4.9	39.6	79.1	93.9	93.9
132.5°	4.9	34.6	74.2	89.0	93.9
135°	4.9	34.6	69.2	84.1	89.0
137.5°	4.9	29.7	64.3	79.1	84.1
140°	4.9	29.7	59.3	74.2	79.1
142.5°	4.9	24.7	54.4	69.2	74.2
145°	4.9	24.7	49.4	64.3	69.2
147.5°	4.9	24.7	44.5	59.3	64.3
150°	4.9	19.8	39.6	54.4	59.3
152.5°	4.9	19.8	34.6	49.4	54.4
155°	4.9	14.8	29.7	44.5	49.4
157.5°	4.9	14.8	29.7	39.6	44.5
160°	9.9	14.8	24.7	34.6	39.6
162.5°	4.9	9.9	24.7	29.7	34.6
165°	9.9	9.9	19.8	24.7	29.7
167.5°	9.9	9.9	14.8	19.8	24.7
170°	9.9	9.9	14.8	14.8	19.8
172.5°	9.9	9.9	9.9	14.8	9.9
175°	9.9	9.9	9.9	9.9	4.9
177.5°	9.9	9.9	9.9	9.9	4.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	9.9	9.9	9.9	9.9	9.9

(END OF REPORT)