

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: P567185

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-102SL-LW-UNV-L950-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

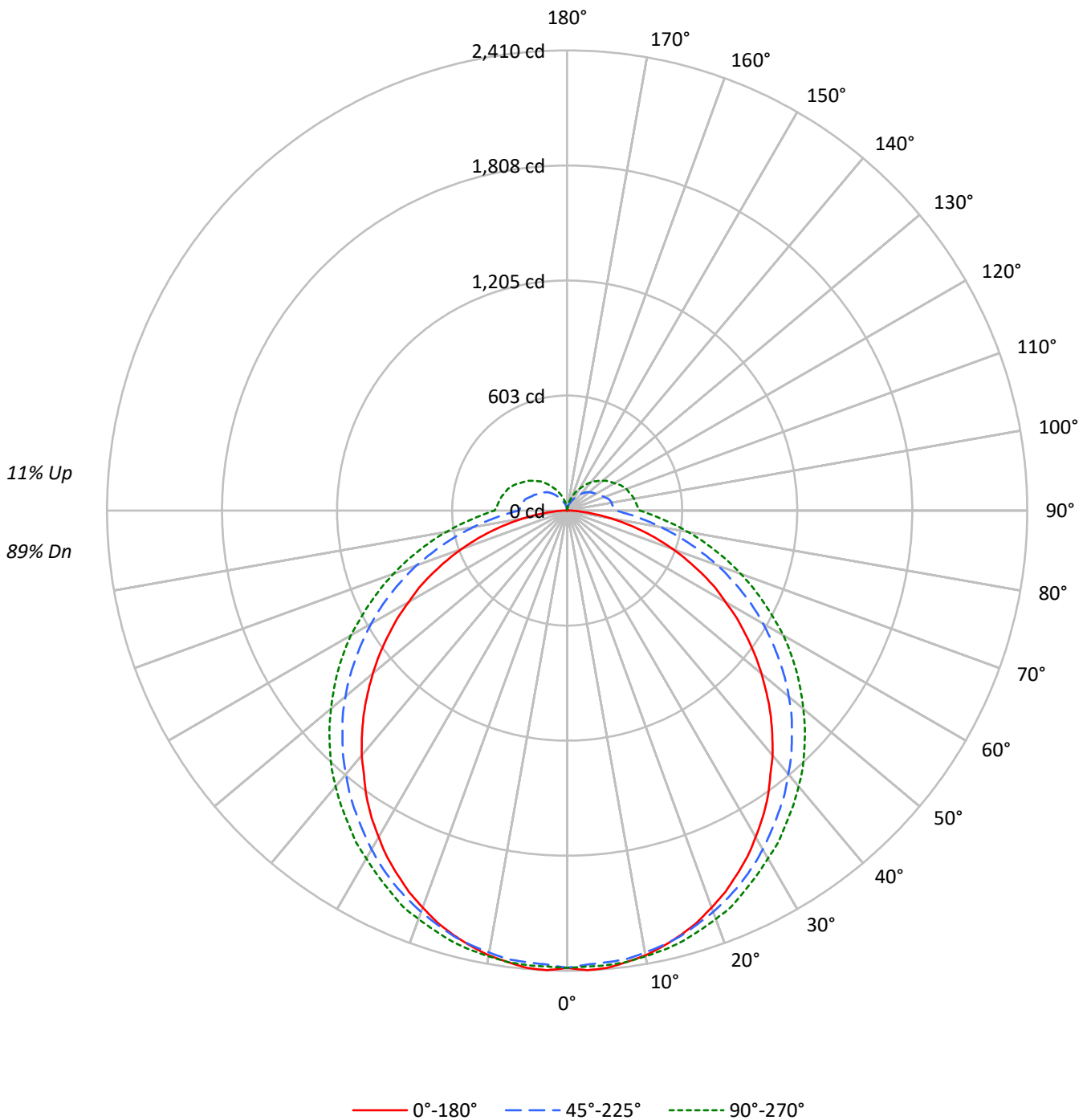
Lumens per Lamp: N/A
Luminaire Lumens: 8525.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12888	12888	12888
5°	12967	12307	12199
10°	12878	11830	11590
15°	12749	11367	11040
20°	12574	10884	10491
25°	12371	10422	9953
30°	12128	9943	9439
35°	11862	9463	8957
40°	11557	8993	8497
45°	11228	8522	8027
50°	10851	8036	7533
55°	10438	7493	7048
60°	9952	6925	6536
65°	9450	6311	5952
70°	8746	5655	5378
75°	7812	4888	4769
80°	6295	4114	4161
85°	4434	3394	3537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	2.7
10°-20°	653.8	7.7
20°-30°	994.1	11.7
30°-40°	1206.7	14.2
40°-50°	1275.1	15.0
50°-60°	1193.2	14.0
60°-70°	979.1	11.5
70°-80°	673.4	7.9
80°-90°	368.8	4.3
90°-100°	237.5	2.8
100°-110°	213.1	2.5
110°-120°	176.4	2.1
120°-130°	135.8	1.6
130°-140°	95.4	1.1
140°-150°	57.5	0.7
150°-160°	27.5	0.3
160°-170°	9.0	0.1
170°-180°	1.1	0.0
0°-30°	1875.3	22.0
0°-40°	3082.0	36.2
0°-60°	5550.4	65.1
0°-90°	7571.7	88.8
90°-120°	627.0	7.4
90°-150°	915.7	10.7
90°-180°	953.0	11.2
0°-180°	8525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2395	2395	2395	2395	2395	
5°	2405	2400	2375	2395	2390	228
15°	2301	2311	2306	2335	2335	649
25°	2103	2128	2153	2197	2197	969
35°	1832	1876	1931	1985	2000	1144
45°	1506	1575	1664	1738	1758	1161
55°	1146	1239	1353	1437	1466	1025
65°	775	879	1012	1106	1136	768
75°	405	514	662	765	800	426
85°	89	212	360	459	494	103
90°	0	118	252	346	380	6
95°	0	114	242	331	365	0
105°	0	94	227	311	341	3
115°	5	84	193	276	311	5
125°	5	69	163	237	267	4
135°	5	54	133	193	217	4
145°	5	40	94	148	163	3
155°	5	25	59	94	109	2
165°	5	15	30	44	54	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 8SNX-102SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2394.7	2394.7	2394.7	2394.7	2394.7
2.5°	2409.5	2404.6	2379.9	2399.6	2389.8
5°	2404.6	2399.6	2374.9	2394.7	2389.8
7.5°	2384.8	2384.8	2370.0	2389.8	2384.8
10°	2365.1	2365.1	2350.3	2374.9	2370.0
12.5°	2335.4	2340.4	2330.5	2360.1	2355.2
15°	2300.9	2310.8	2305.8	2335.4	2335.4
17.5°	2261.4	2271.3	2271.3	2305.8	2305.8
20°	2212.0	2226.8	2236.7	2276.2	2276.2
22.5°	2162.6	2182.4	2197.2	2231.8	2246.6
25°	2103.4	2128.1	2152.8	2197.2	2197.2
27.5°	2044.1	2073.8	2103.4	2147.8	2152.8
30°	1975.0	2009.6	2049.1	2093.5	2103.4
32.5°	1905.9	1950.3	1989.8	2044.1	2058.9
35°	1831.8	1876.3	1930.6	1984.9	1999.7
37.5°	1747.9	1802.2	1871.3	1930.6	1945.4
40°	1673.8	1733.1	1802.2	1871.3	1886.1
42.5°	1589.9	1654.1	1738.0	1802.2	1826.9
45°	1505.9	1575.1	1663.9	1738.0	1757.8
47.5°	1417.1	1496.1	1594.8	1663.9	1688.6
50°	1328.2	1412.1	1515.8	1594.8	1614.6
52.5°	1239.3	1328.2	1436.8	1515.8	1540.5
55°	1145.5	1239.3	1352.9	1436.8	1466.4
57.5°	1056.6	1150.4	1268.9	1357.8	1387.4
60°	957.9	1066.5	1185.0	1273.9	1308.4
62.5°	873.9	972.7	1101.1	1189.9	1219.6
65°	775.2	878.9	1012.2	1106.0	1135.6
67.5°	681.4	790.0	923.3	1022.1	1051.7
70°	587.6	696.2	839.4	933.2	967.8
72.5°	493.8	607.3	745.6	849.3	883.8
75°	404.9	513.5	661.6	765.3	799.9
77.5°	311.1	429.6	577.7	681.4	720.9
80°	227.1	350.6	498.7	602.4	641.9
82.5°	153.1	276.5	424.6	528.3	567.8
85°	88.9	212.3	360.4	459.2	493.8
87.5°	44.4	162.9	301.2	399.9	434.5
90°	0.0	118.5	251.8	345.6	380.2
92.5°	0.0	113.6	246.9	335.8	370.3
95°	0.0	113.6	241.9	330.8	365.4
97.5°	0.0	108.6	237.0	330.8	360.4
100°	0.0	103.7	237.0	325.9	355.5
102.5°	0.0	98.8	232.1	320.9	350.6
105°	0.0	93.8	227.1	311.1	340.7
107.5°	4.9	93.8	217.3	306.1	335.8
110°	4.9	88.9	207.4	301.2	330.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	83.9	197.5	291.3	320.9
115°	4.9	83.9	192.6	276.5	311.1
117.5°	4.9	79.0	182.7	266.6	301.2
120°	4.9	79.0	177.8	256.8	286.4
122.5°	4.9	74.1	167.9	246.9	276.5
125°	4.9	69.1	162.9	237.0	266.6
127.5°	4.9	64.2	158.0	227.1	256.8
130°	4.9	59.3	148.1	217.3	241.9
132.5°	4.9	59.3	143.2	202.4	232.1
135°	4.9	54.3	133.3	192.6	217.3
137.5°	4.9	49.4	123.4	182.7	207.4
140°	4.9	44.4	113.6	172.8	192.6
142.5°	4.9	44.4	103.7	158.0	177.8
145°	4.9	39.5	93.8	148.1	162.9
147.5°	4.9	34.6	83.9	133.3	148.1
150°	4.9	34.6	74.1	118.5	133.3
152.5°	4.9	29.6	64.2	108.6	123.4
155°	4.9	24.7	59.3	93.8	108.6
157.5°	4.9	24.7	49.4	79.0	93.8
160°	4.9	19.8	44.4	64.2	79.0
162.5°	4.9	19.8	39.5	54.3	69.1
165°	4.9	14.8	29.6	44.4	54.3
167.5°	4.9	14.8	24.7	34.6	44.4
170°	4.9	9.9	19.8	24.7	34.6
172.5°	4.9	9.9	14.8	14.8	14.8
175°	4.9	4.9	9.9	9.9	4.9
177.5°	4.9	4.9	4.9	4.9	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)