

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: P567192

Luminaire Tested: **8SNX-102SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567192
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-SLW-UNV-L940-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

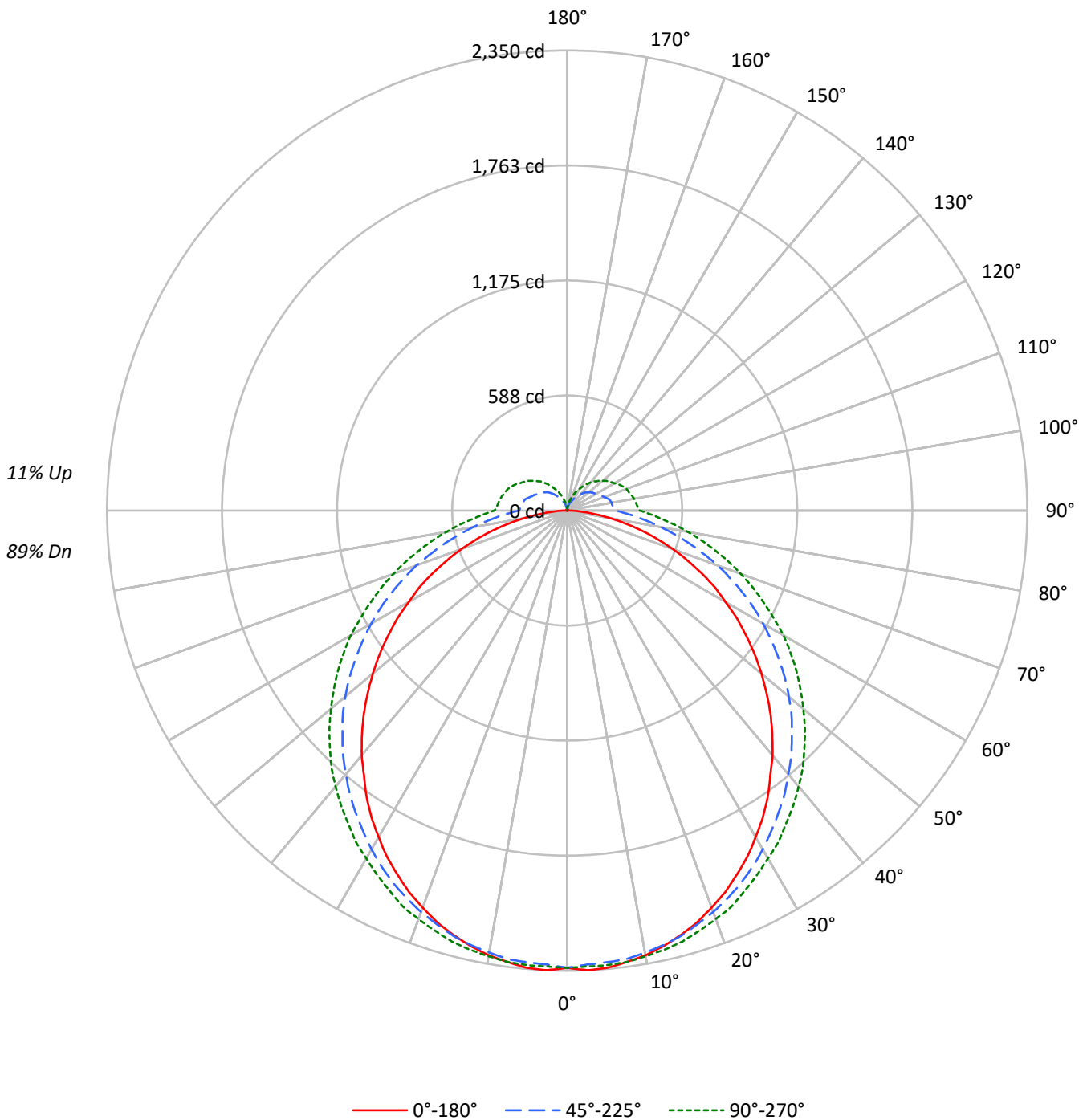
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8313.0 lumens
Efficiency: N/A
Efficacy: 118.8 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: 0.08')
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	77	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°	12567	12567	12567
5°	12656	12252	12234
10°	12581	12012	11932
15°	12467	11765	11653
20°	12307	11480	11342
25°	12121	11201	11018
30°	11897	10895	10696
35°	11652	10576	10395
40°	11368	10262	10106
45°	11062	9943	9794
50°	10712	9605	9445
55°	10328	9198	9102
60°	9877	8763	8720
65°	9417	8274	8238
70°	8767	7735	7766
75°	7904	7048	7244
80°	6484	6352	6729
85°	4786	5762	6201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	2.7
10°-20°	637.5	7.7
20°-30°	969.4	11.7
30°-40°	1176.7	14.2
40°-50°	1243.4	15.0
50°-60°	1163.6	14.0
60°-70°	954.7	11.5
70°-80°	656.6	7.9
80°-90°	359.6	4.3
90°-100°	231.6	2.8
100°-110°	207.8	2.5
110°-120°	172.0	2.1
120°-130°	132.4	1.6
130°-140°	93.1	1.1
140°-150°	56.1	0.7
150°-160°	26.8	0.3
160°-170°	8.8	0.1
170°-180°	1.0	0.0
0°-30°	1828.7	22.0
0°-40°	3005.4	36.2
0°-60°	5412.4	65.1
0°-90°	7383.4	88.8
90°-120°	611.4	7.4
90°-150°	892.9	10.7
90°-180°	930.0	11.2
0°-180°	8313.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2335	2335	2335	2335	2335	
5°	2345	2340	2316	2335	2330	222
15°	2244	2253	2248	2277	2277	633
25°	2051	2075	2099	2143	2143	945
35°	1786	1830	1883	1936	1950	1116
45°	1468	1536	1623	1695	1714	1132
55°	1117	1208	1319	1401	1430	1000
65°	756	857	987	1078	1107	749
75°	395	501	645	746	780	416
85°	87	207	352	448	482	100
90°	0	116	246	337	371	6
95°	0	111	236	323	356	0
105°	0	92	222	303	332	3
115°	5	82	188	270	303	5
125°	5	67	159	231	260	4
135°	5	53	130	188	212	4
145°	5	38	92	144	159	3
155°	5	24	58	92	106	2
165°	5	14	29	43	53	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2335.1	2335.1	2335.1	2335.1	2335.1
2.5°	2349.6	2344.8	2320.7	2340.0	2330.3
5°	2344.8	2340.0	2315.9	2335.1	2330.3
7.5°	2325.5	2325.5	2311.1	2330.3	2325.5
10°	2306.3	2306.3	2291.8	2315.9	2311.1
12.5°	2277.4	2282.2	2272.5	2301.4	2296.6
15°	2243.7	2253.3	2248.5	2277.4	2277.4
17.5°	2205.1	2214.8	2214.8	2248.5	2248.5
20°	2157.0	2171.4	2181.1	2219.6	2219.6
22.5°	2108.8	2128.1	2142.6	2176.3	2190.7
25°	2051.1	2075.1	2099.2	2142.6	2142.6
27.5°	1993.3	2022.2	2051.1	2094.4	2099.2
30°	1925.9	1959.6	1998.1	2041.4	2051.1
32.5°	1858.5	1901.8	1940.3	1993.3	2007.7
35°	1786.3	1829.6	1882.6	1935.5	1950.0
37.5°	1704.4	1757.4	1824.8	1882.6	1897.0
40°	1632.2	1690.0	1757.4	1824.8	1839.2
42.5°	1550.3	1612.9	1694.8	1757.4	1781.4
45°	1468.5	1535.9	1622.6	1694.8	1714.0
47.5°	1381.8	1458.9	1555.2	1622.6	1646.6
50°	1295.2	1377.0	1478.1	1555.2	1574.4
52.5°	1208.5	1295.2	1401.1	1478.1	1502.2
55°	1117.0	1208.5	1319.2	1401.1	1430.0
57.5°	1030.4	1121.8	1237.4	1324.0	1352.9
60°	934.1	1040.0	1155.5	1242.2	1275.9
62.5°	852.2	948.5	1073.7	1160.3	1189.2
65°	755.9	857.0	987.0	1078.5	1107.4
67.5°	664.4	770.4	900.4	996.6	1025.5
70°	573.0	678.9	818.5	910.0	943.7
72.5°	481.5	592.2	727.0	828.1	861.8
75°	394.8	500.7	645.2	746.3	780.0
77.5°	303.3	418.9	563.3	664.4	702.9
80°	221.5	341.8	486.3	587.4	625.9
82.5°	149.3	269.6	414.1	515.2	553.7
85°	86.7	207.0	351.5	447.8	481.5
87.5°	43.3	158.9	293.7	390.0	423.7
90°	0.0	115.6	245.6	337.0	370.7
92.5°	0.0	110.7	240.7	327.4	361.1
95°	0.0	110.7	235.9	322.6	356.3
97.5°	0.0	105.9	231.1	322.6	351.5
100°	0.0	101.1	231.1	317.8	346.7
102.5°	0.0	96.3	226.3	313.0	341.8
105°	0.0	91.5	221.5	303.3	332.2
107.5°	4.8	91.5	211.8	298.5	327.4
110°	4.8	86.7	202.2	293.7	322.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.8	81.9	192.6	284.1	313.0
115°	4.8	81.9	187.8	269.6	303.3
117.5°	4.8	77.0	178.1	260.0	293.7
120°	4.8	77.0	173.3	250.4	279.3
122.5°	4.8	72.2	163.7	240.7	269.6
125°	4.8	67.4	158.9	231.1	260.0
127.5°	4.8	62.6	154.1	221.5	250.4
130°	4.8	57.8	144.4	211.8	235.9
132.5°	4.8	57.8	139.6	197.4	226.3
135°	4.8	53.0	130.0	187.8	211.8
137.5°	4.8	48.1	120.4	178.1	202.2
140°	4.8	43.3	110.7	168.5	187.8
142.5°	4.8	43.3	101.1	154.1	173.3
145°	4.8	38.5	91.5	144.4	158.9
147.5°	4.8	33.7	81.9	130.0	144.4
150°	4.8	33.7	72.2	115.6	130.0
152.5°	4.8	28.9	62.6	105.9	120.4
155°	4.8	24.1	57.8	91.5	105.9
157.5°	4.8	24.1	48.1	77.0	91.5
160°	4.8	19.3	43.3	62.6	77.0
162.5°	4.8	19.3	38.5	53.0	67.4
165°	4.8	14.4	28.9	43.3	53.0
167.5°	4.8	14.4	24.1	33.7	43.3
170°	4.8	9.6	19.3	24.1	33.7
172.5°	4.8	9.6	14.4	14.4	14.4
175°	4.8	4.8	9.6	9.6	4.8
177.5°	4.8	4.8	4.8	4.8	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)