

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: P568143

Luminaire Tested: **8SNX-96SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568143
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-96SL-LW-UNV-L935-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

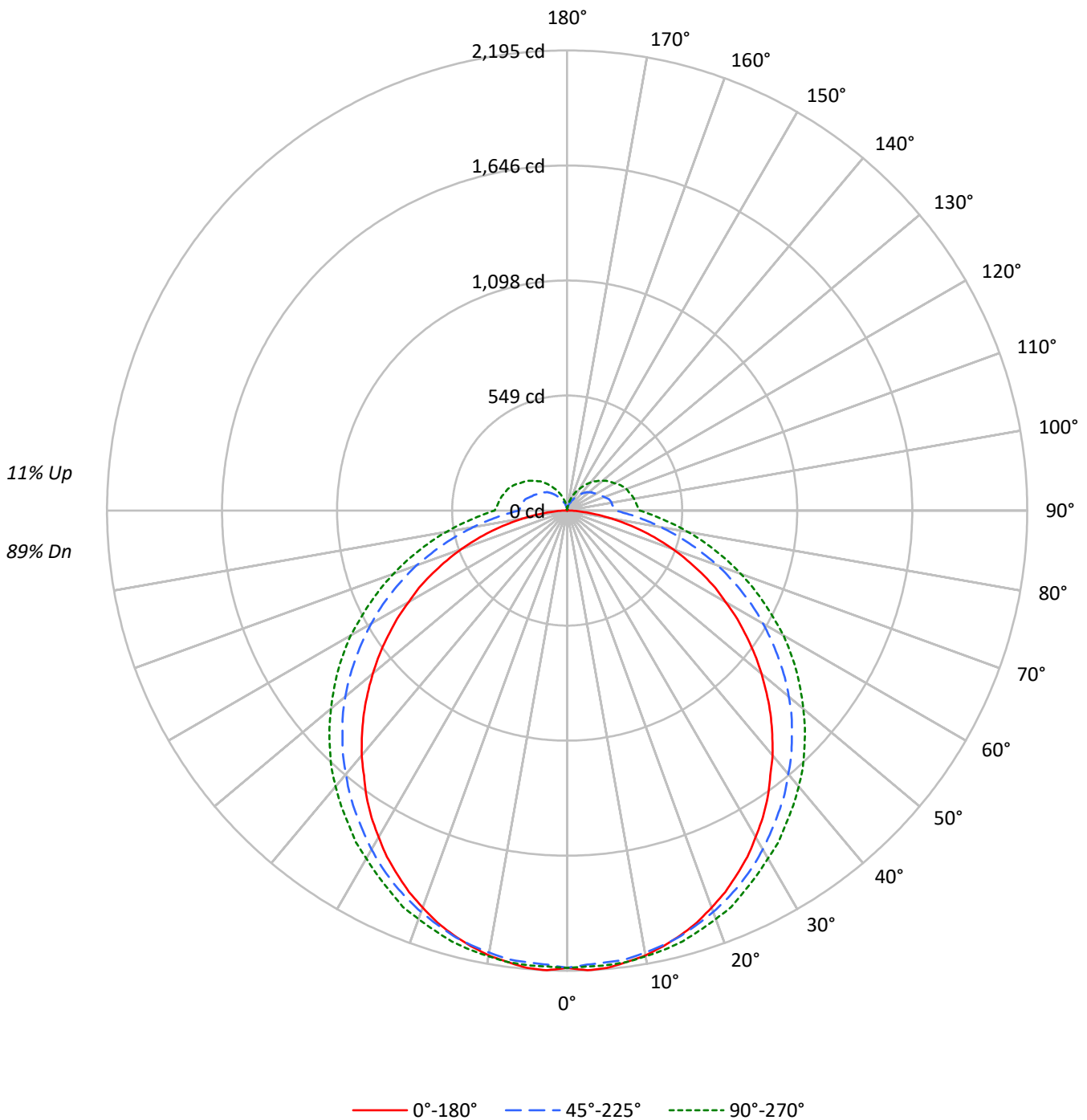
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7765.0 lumens
Efficiency: N/A
Efficacy: 121.0 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): 64.2
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	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°	11739	11739	11739
5°	11811	11210	11112
10°	11730	10775	10556
15°	11613	10354	10056
20°	11453	9914	9556
25°	11268	9492	9066
30°	11046	9057	8597
35°	10805	8620	8158
40°	10527	8191	7740
45°	10227	7762	7312
50°	9884	7320	6862
55°	9508	6825	6420
60°	9064	6307	5954
65°	8607	5748	5422
70°	7966	5151	4899
75°	7116	4452	4344
80°	5735	3747	3790
85°	4040	3092	3221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	2.7
10°-20°	595.5	7.7
20°-30°	905.5	11.7
30°-40°	1099.1	14.2
40°-50°	1161.5	15.0
50°-60°	1086.9	14.0
60°-70°	891.8	11.5
70°-80°	613.4	7.9
80°-90°	335.9	4.3
90°-100°	216.3	2.8
100°-110°	194.1	2.5
110°-120°	160.7	2.1
120°-130°	123.7	1.6
130°-140°	86.9	1.1
140°-150°	52.4	0.7
150°-160°	25.1	0.3
160°-170°	8.2	0.1
170°-180°	1.0	0.0
0°-30°	1708.1	22.0
0°-40°	2807.3	36.2
0°-60°	5055.6	65.1
0°-90°	6896.6	88.8
90°-120°	571.0	7.4
90°-150°	834.1	10.7
90°-180°	868.0	11.2
0°-180°	7765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2181	2181	2181	2181	2181	
5°	2190	2186	2163	2181	2177	208
15°	2096	2105	2100	2127	2127	591
25°	1916	1938	1961	2001	2001	883
35°	1668	1709	1758	1808	1821	1042
45°	1372	1435	1516	1583	1601	1057
55°	1043	1129	1232	1309	1336	934
65°	706	800	922	1007	1034	699
75°	369	468	603	697	729	388
85°	81	193	328	418	450	94
90°	0	108	229	315	346	6
95°	0	103	220	301	333	0
105°	0	85	207	283	310	3
115°	4	76	175	252	283	4
125°	4	63	148	216	243	4
135°	4	50	121	175	198	3
145°	4	36	85	135	148	3
155°	4	22	54	85	99	2
165°	4	14	27	40	50	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2181.2	2181.2	2181.2	2181.2	2181.2
2.5°	2194.7	2190.2	2167.7	2185.7	2176.7
5°	2190.2	2185.7	2163.2	2181.2	2176.7
7.5°	2172.2	2172.2	2158.7	2176.7	2172.2
10°	2154.2	2154.2	2140.7	2163.2	2158.7
12.5°	2127.2	2131.7	2122.7	2149.7	2145.2
15°	2095.8	2104.8	2100.3	2127.2	2127.2
17.5°	2059.8	2068.8	2068.8	2100.3	2100.3
20°	2014.8	2028.3	2037.3	2073.3	2073.3
22.5°	1969.8	1987.8	2001.3	2032.8	2046.3
25°	1915.9	1938.4	1960.8	2001.3	2001.3
27.5°	1861.9	1888.9	1915.9	1956.3	1960.8
30°	1798.9	1830.4	1866.4	1906.9	1915.9
32.5°	1736.0	1776.4	1812.4	1861.9	1875.4
35°	1668.5	1709.0	1758.5	1807.9	1821.4
37.5°	1592.1	1641.5	1704.5	1758.5	1771.9
40°	1524.6	1578.6	1641.5	1704.5	1718.0
42.5°	1448.1	1506.6	1583.1	1641.5	1664.0
45°	1371.7	1434.6	1515.6	1583.1	1601.1
47.5°	1290.7	1362.7	1452.6	1515.6	1538.1
50°	1209.8	1286.2	1380.7	1452.6	1470.6
52.5°	1128.8	1209.8	1308.7	1380.7	1403.2
55°	1043.4	1128.8	1232.3	1308.7	1335.7
57.5°	962.4	1047.9	1155.8	1236.8	1263.8
60°	872.5	971.4	1079.4	1160.3	1191.8
62.5°	796.0	886.0	1002.9	1083.9	1110.8
65°	706.1	800.5	922.0	1007.4	1034.4
67.5°	620.6	719.6	841.0	930.9	957.9
70°	535.2	634.1	764.5	850.0	881.5
72.5°	449.7	553.2	679.1	773.5	805.0
75°	368.8	467.7	602.6	697.1	728.6
77.5°	283.3	391.3	526.2	620.6	656.6
80°	206.9	319.3	454.2	548.7	584.7
82.5°	139.4	251.9	386.8	481.2	517.2
85°	81.0	193.4	328.3	418.3	449.7
87.5°	40.5	148.4	274.3	364.3	395.8
90°	0.0	107.9	229.4	314.8	346.3
92.5°	0.0	103.4	224.9	305.8	337.3
95°	0.0	103.4	220.4	301.3	332.8
97.5°	0.0	98.9	215.9	301.3	328.3
100°	0.0	94.4	215.9	296.8	323.8
102.5°	0.0	89.9	211.4	292.3	319.3
105°	0.0	85.4	206.9	283.3	310.3
107.5°	4.5	85.4	197.9	278.8	305.8
110°	4.5	81.0	188.9	274.3	301.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	76.5	179.9	265.3	292.3
115°	4.5	76.5	175.4	251.9	283.3
117.5°	4.5	72.0	166.4	242.9	274.3
120°	4.5	72.0	161.9	233.9	260.8
122.5°	4.5	67.5	152.9	224.9	251.9
125°	4.5	63.0	148.4	215.9	242.9
127.5°	4.5	58.5	143.9	206.9	233.9
130°	4.5	54.0	134.9	197.9	220.4
132.5°	4.5	54.0	130.4	184.4	211.4
135°	4.5	49.5	121.4	175.4	197.9
137.5°	4.5	45.0	112.4	166.4	188.9
140°	4.5	40.5	103.4	157.4	175.4
142.5°	4.5	40.5	94.4	143.9	161.9
145°	4.5	36.0	85.4	134.9	148.4
147.5°	4.5	31.5	76.5	121.4	134.9
150°	4.5	31.5	67.5	107.9	121.4
152.5°	4.5	27.0	58.5	98.9	112.4
155°	4.5	22.5	54.0	85.4	98.9
157.5°	4.5	22.5	45.0	72.0	85.4
160°	4.5	18.0	40.5	58.5	72.0
162.5°	4.5	18.0	36.0	49.5	63.0
165°	4.5	13.5	27.0	40.5	49.5
167.5°	4.5	13.5	22.5	31.5	40.5
170°	4.5	9.0	18.0	22.5	31.5
172.5°	4.5	9.0	13.5	13.5	13.5
175°	4.5	4.5	9.0	9.0	4.5
177.5°	4.5	4.5	4.5	4.5	4.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)