

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: P568145

Luminaire Tested: **8SNX-96SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568145
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-L950-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

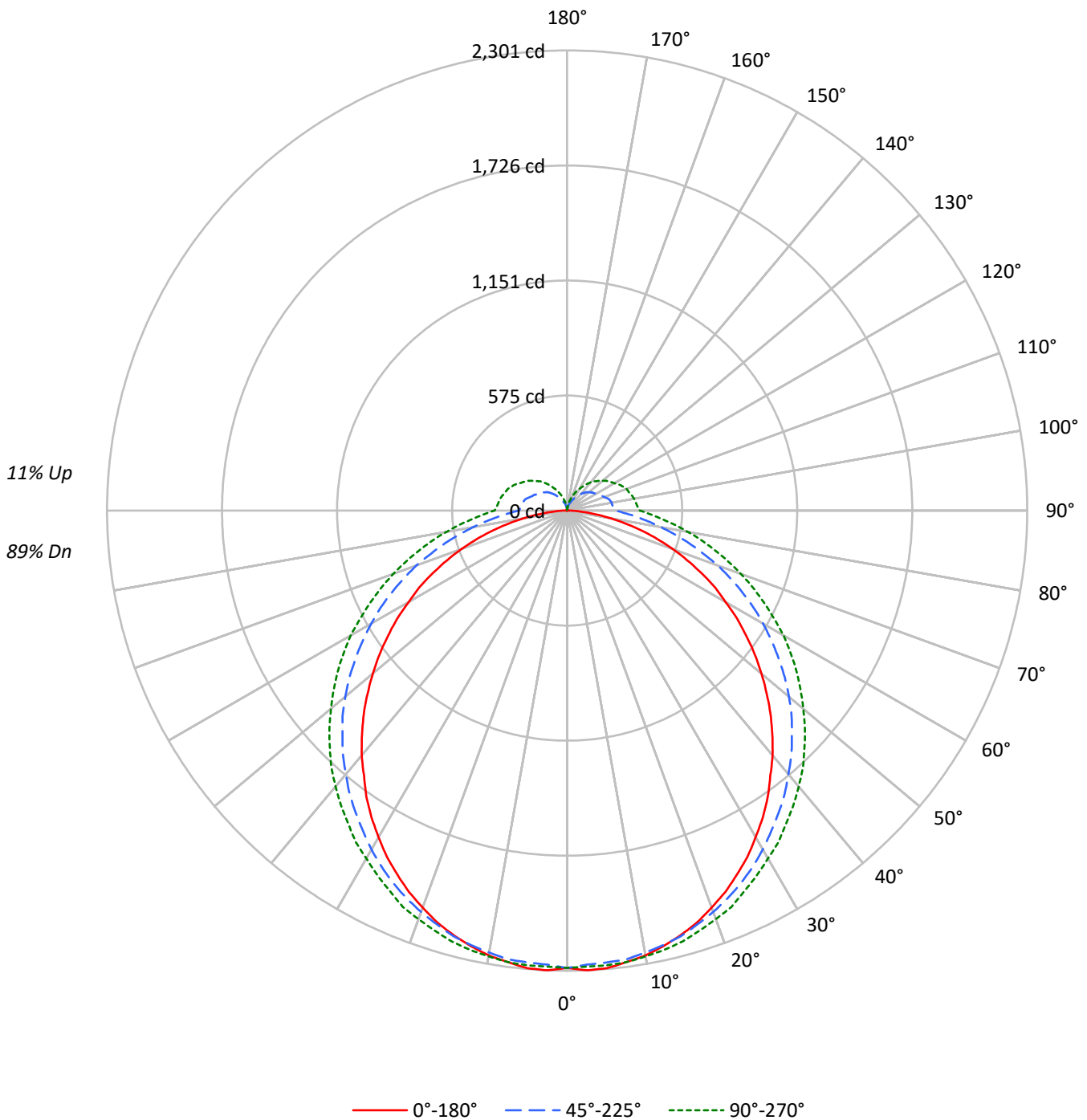
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8141.0 lumens
Efficiency: N/A
Efficacy: 126.8 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): 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	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°	12307	12307	12307
5°	12383	11753	11650
10°	12297	11297	11068
15°	12174	10855	10543
20°	12007	10394	10019
25°	11813	9952	9505
30°	11581	9495	9013
35°	11328	9037	8553
40°	11037	8588	8115
45°	10722	8138	7666
50°	10363	7674	7194
55°	9968	7155	6731
60°	9503	6613	6242
65°	9024	6027	5684
70°	8351	5401	5136
75°	7459	4668	4553
80°	6012	3928	3974
85°	4234	3242	3378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	2.7
10°-20°	624.3	7.7
20°-30°	949.3	11.7
30°-40°	1152.4	14.2
40°-50°	1217.7	15.0
50°-60°	1139.5	14.0
60°-70°	935.0	11.5
70°-80°	643.1	7.9
80°-90°	352.2	4.3
90°-100°	226.8	2.8
100°-110°	203.5	2.5
110°-120°	168.4	2.1
120°-130°	129.7	1.6
130°-140°	91.1	1.1
140°-150°	54.9	0.7
150°-160°	26.3	0.3
160°-170°	8.6	0.1
170°-180°	1.0	0.0
0°-30°	1790.8	22.0
0°-40°	2943.2	36.2
0°-60°	5300.4	65.1
0°-90°	7230.6	88.8
90°-120°	598.7	7.4
90°-150°	874.4	10.7
90°-180°	910.0	11.2
0°-180°	8141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	2296	2292	2268	2287	2282	218
15°	2197	2207	2202	2230	2230	620
25°	2009	2032	2056	2098	2098	926
35°	1749	1792	1844	1896	1910	1093
45°	1438	1504	1589	1660	1679	1108
55°	1094	1184	1292	1372	1400	979
65°	740	839	967	1056	1084	733
75°	387	490	632	731	764	407
85°	85	203	344	438	472	98
90°	0	113	240	330	363	6
95°	0	108	231	316	349	0
105°	0	90	217	297	325	3
115°	5	80	184	264	297	5
125°	5	66	156	226	255	4
135°	5	52	127	184	208	4
145°	5	38	90	142	156	3
155°	5	24	57	90	104	2
165°	5	14	28	42	52	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2286.8	2286.8	2286.8	2286.8	2286.8
2.5°	2301.0	2296.3	2272.7	2291.5	2282.1
5°	2296.3	2291.5	2268.0	2286.8	2282.1
7.5°	2277.4	2277.4	2263.3	2282.1	2277.4
10°	2258.5	2258.5	2244.4	2268.0	2263.3
12.5°	2230.2	2235.0	2225.5	2253.8	2249.1
15°	2197.2	2206.7	2202.0	2230.2	2230.2
17.5°	2159.5	2168.9	2168.9	2202.0	2202.0
20°	2112.4	2126.5	2135.9	2173.7	2173.7
22.5°	2065.2	2084.1	2098.2	2131.2	2145.4
25°	2008.6	2032.2	2055.8	2098.2	2098.2
27.5°	1952.1	1980.3	2008.6	2051.1	2055.8
30°	1886.0	1919.0	1956.8	1999.2	2008.6
32.5°	1820.0	1862.5	1900.2	1952.1	1966.2
35°	1749.3	1791.7	1843.6	1895.5	1909.6
37.5°	1669.1	1721.0	1787.0	1843.6	1857.8
40°	1598.4	1655.0	1721.0	1787.0	1801.2
42.5°	1518.3	1579.6	1659.7	1721.0	1744.6
45°	1438.1	1504.1	1589.0	1659.7	1678.6
47.5°	1353.2	1428.7	1523.0	1589.0	1612.6
50°	1268.4	1348.5	1447.5	1523.0	1541.8
52.5°	1183.5	1268.4	1372.1	1447.5	1471.1
55°	1093.9	1183.5	1291.9	1372.1	1400.4
57.5°	1009.0	1098.6	1211.8	1296.7	1324.9
60°	914.7	1018.5	1131.6	1216.5	1249.5
62.5°	834.6	928.9	1051.5	1136.3	1164.6
65°	740.3	839.3	966.6	1056.2	1084.5
67.5°	650.7	754.4	881.7	976.0	1004.3
70°	561.1	664.8	801.6	891.2	924.2
72.5°	471.5	580.0	712.0	811.0	844.0
75°	386.6	490.4	631.8	730.8	763.8
77.5°	297.1	410.2	551.7	650.7	688.4
80°	216.9	334.8	476.2	575.2	613.0
82.5°	146.2	264.0	405.5	504.5	542.2
85°	84.9	202.7	344.2	438.5	471.5
87.5°	42.4	155.6	287.6	381.9	414.9
90°	0.0	113.2	240.5	330.1	363.1
92.5°	0.0	108.4	235.8	320.6	353.6
95°	0.0	108.4	231.0	315.9	348.9
97.5°	0.0	103.7	226.3	315.9	344.2
100°	0.0	99.0	226.3	311.2	339.5
102.5°	0.0	94.3	221.6	306.5	334.8
105°	0.0	89.6	216.9	297.1	325.3
107.5°	4.7	89.6	207.5	292.3	320.6
110°	4.7	84.9	198.0	287.6	315.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	80.2	188.6	278.2	306.5
115°	4.7	80.2	183.9	264.0	297.1
117.5°	4.7	75.4	174.5	254.6	287.6
120°	4.7	75.4	169.7	245.2	273.5
122.5°	4.7	70.7	160.3	235.8	264.0
125°	4.7	66.0	155.6	226.3	254.6
127.5°	4.7	61.3	150.9	216.9	245.2
130°	4.7	56.6	141.5	207.5	231.0
132.5°	4.7	56.6	136.7	193.3	221.6
135°	4.7	51.9	127.3	183.9	207.5
137.5°	4.7	47.2	117.9	174.5	198.0
140°	4.7	42.4	108.4	165.0	183.9
142.5°	4.7	42.4	99.0	150.9	169.7
145°	4.7	37.7	89.6	141.5	155.6
147.5°	4.7	33.0	80.2	127.3	141.5
150°	4.7	33.0	70.7	113.2	127.3
152.5°	4.7	28.3	61.3	103.7	117.9
155°	4.7	23.6	56.6	89.6	103.7
157.5°	4.7	23.6	47.2	75.4	89.6
160°	4.7	18.9	42.4	61.3	75.4
162.5°	4.7	18.9	37.7	51.9	66.0
165°	4.7	14.1	28.3	42.4	51.9
167.5°	4.7	14.1	23.6	33.0	42.4
170°	4.7	9.4	18.9	23.6	33.0
172.5°	4.7	9.4	14.1	14.1	14.1
175°	4.7	4.7	9.4	9.4	4.7
177.5°	4.7	4.7	4.7	4.7	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)