

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: P568126

Luminaire Tested: **8SNX-96SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568126
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-96SL-LC-UNV-L930-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

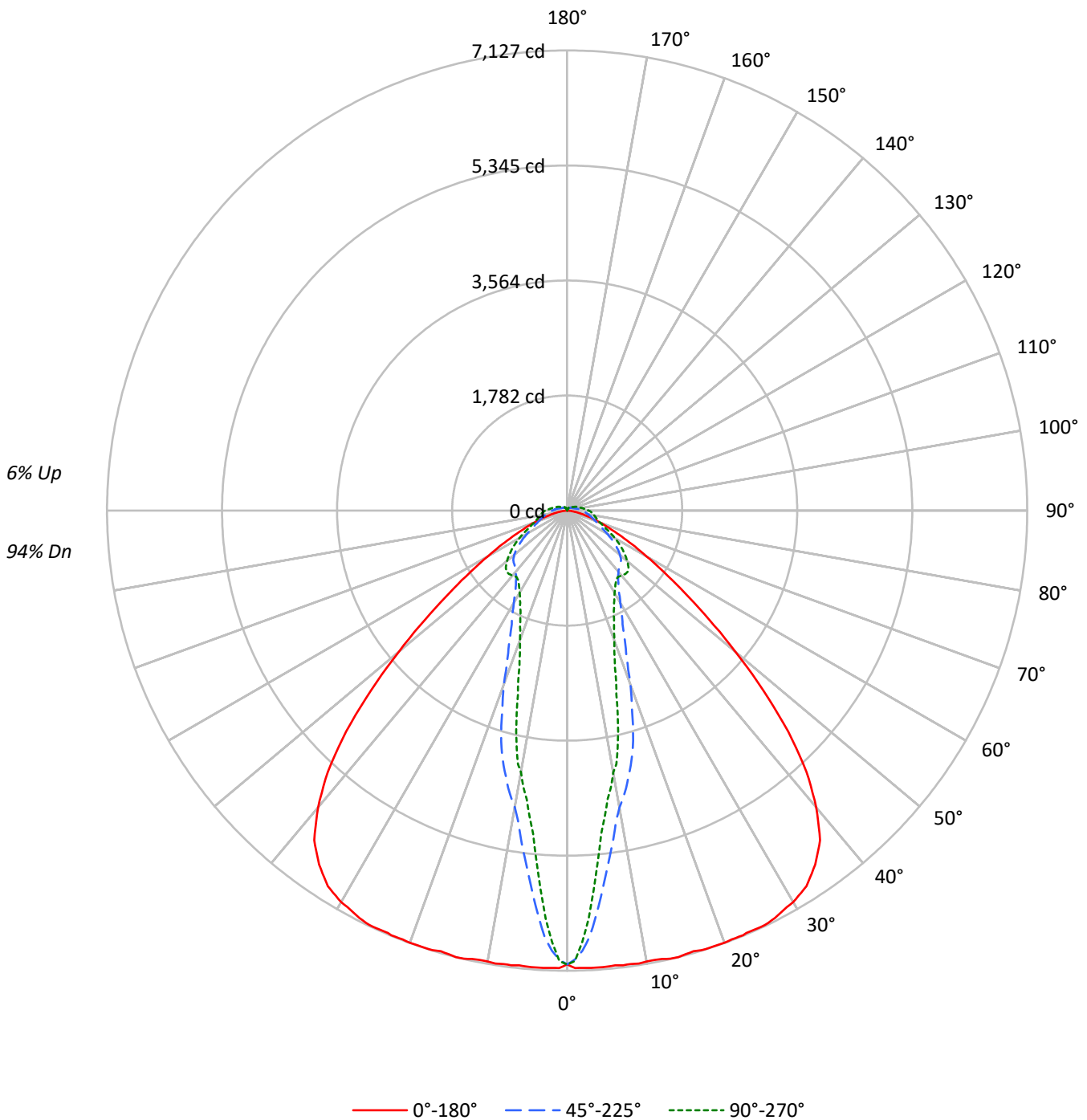
Lumens per Lamp: N/A
Luminaire Lumens: 8665.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	37832	37832	37832
5°	38243	31112	27814
10°	38614	23514	20130
15°	39392	19242	13939
20°	40487	13938	9844
25°	41838	9996	7745
30°	43002	7995	6595
35°	43364	6769	5908
40°	41455	6160	5922
45°	36089	5958	6084
50°	27790	5674	5677
55°	20231	4968	5037
60°	14763	4152	4259
65°	10826	3516	3491
70°	8064	3111	3011
75°	5827	2888	2806
80°	3939	2711	2764
85°	1995	2593	2767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.8	6.4
10°-20°	1200.4	13.9
20°-30°	1374.1	15.9
30°-40°	1376.6	15.9
40°-50°	1303.1	15.0
50°-60°	999.4	11.5
60°-70°	644.2	7.4
70°-80°	410.8	4.7
80°-90°	272.8	3.1
90°-100°	183.4	2.1
100°-110°	120.8	1.4
110°-120°	84.0	1.0
120°-130°	58.6	0.7
130°-140°	40.7	0.5
140°-150°	24.9	0.3
150°-160°	12.6	0.1
160°-170°	4.9	0.1
170°-180°	0.9	0.0
0°-30°	3127.4	36.1
0°-40°	4503.9	52.0
0°-60°	6806.4	78.6
0°-90°	8134.1	93.9
90°-120°	388.2	4.5
90°-150°	512.4	5.9
90°-180°	531.0	6.1
0°-180°	8665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7030	7030	7030	7030	7030	
5°	7092	6701	6004	5600	5449	677
15°	7109	5120	3903	3206	2949	2017
25°	7114	3624	2065	1794	1710	3279
35°	6696	2016	1381	1337	1319	4155
45°	4840	1274	1163	1288	1332	3680
55°	2220	910	897	1008	1048	2042
65°	888	573	564	644	666	914
75°	302	311	391	448	471	332
85°	40	142	275	360	386	55
90°	0	98	231	320	333	2
95°	0	71	191	262	275	0
105°	0	53	124	178	191	3
115°	4	44	93	129	138	4
125°	4	40	80	93	98	4
135°	4	31	62	76	80	3
145°	4	22	44	58	62	3
155°	4	13	27	40	44	2
165°	9	9	18	22	27	2
175°	9	9	9	9	4	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7029.5	7029.5	7029.5	7029.5	7029.5
1°	7087.2	7047.2	6954.0	6980.6	6976.2
2°	7087.2	7002.8	6820.8	6767.5	6687.5
3°	7091.6	6927.3	6616.5	6443.3	6332.3
4°	7091.6	6816.3	6314.5	6025.9	5883.8
5°	7091.6	6700.9	6003.7	5599.6	5448.6
6°	7082.8	6563.2	5688.4	5262.1	5035.6
7°	7096.1	6412.2	5404.2	4946.8	4769.2
8°	7091.6	6234.6	5142.2	4707.0	4511.6
9°	7105.0	6061.4	4858.0	4480.6	4334.0
10°	7091.6	5901.6	4671.5	4267.4	4116.4
11°	7091.6	5746.1	4538.3	4129.8	4001.0
12°	7100.5	5568.5	4391.8	3934.4	3756.7
13°	7122.7	5386.4	4223.0	3721.2	3512.5
14°	7127.2	5248.8	4067.6	3450.3	3232.8
15°	7109.4	5120.0	3903.3	3206.1	2948.6
16°	7100.5	4986.8	3707.9	2975.2	2744.3
17°	7118.3	4831.4	3485.9	2739.8	2526.7
18°	7122.7	4689.3	3250.5	2562.2	2375.7
19°	7122.7	4578.3	3059.6	2397.9	2238.1
20°	7122.7	4471.7	2864.2	2273.6	2135.9
21°	7113.8	4338.5	2642.2	2144.8	2029.4
22.5°	7118.3	4089.8	2389.0	1993.8	1900.6
23°	7105.0	4027.6	2326.9	1953.9	1856.2
24°	7109.4	3850.0	2193.7	1873.9	1780.7
25°	7113.8	3623.5	2064.9	1794.0	1709.6
26°	7105.0	3441.5	1958.3	1718.5	1660.8
27°	7082.8	3294.9	1882.8	1656.3	1603.1
28°	7051.7	3099.5	1802.9	1603.1	1554.2
29°	7020.6	2877.5	1723.0	1545.3	1509.8
30°	7002.8	2699.9	1647.5	1500.9	1469.8
32.5°	6896.3	2349.1	1492.0	1412.1	1385.5
35°	6696.4	2016.0	1381.0	1336.6	1318.9
37.5°	6434.4	1758.5	1296.7	1287.8	1292.2
40°	6003.7	1554.2	1234.5	1274.5	1314.4
42.5°	5488.6	1394.3	1190.1	1287.8	1332.2
45°	4840.3	1274.5	1163.4	1287.8	1332.2
47.5°	4120.9	1176.8	1132.4	1243.4	1287.8
50°	3401.5	1087.9	1070.2	1176.8	1216.7
52.5°	2766.5	1003.6	990.3	1092.4	1132.4
55°	2220.3	910.3	897.0	1008.0	1048.0
57.5°	1780.7	821.5	808.2	910.3	950.3
60°	1421.0	732.7	710.5	812.6	852.6
62.5°	1132.4	648.3	635.0	723.8	759.3
65°	888.1	572.8	564.0	643.9	666.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	701.6	501.8	506.2	572.8	599.5
70°	541.8	435.2	461.8	524.0	541.8
72.5°	408.5	368.6	426.3	479.6	501.8
75°	302.0	310.8	390.8	448.5	470.7
77.5°	208.7	257.6	359.7	421.9	444.1
80°	142.1	208.7	328.6	399.7	426.3
82.5°	84.4	173.2	302.0	377.5	408.5
85°	40.0	142.1	275.3	359.7	386.3
87.5°	13.3	115.5	248.7	341.9	364.1
90°	0.0	97.7	230.9	319.7	333.0
92.5°	0.0	84.4	208.7	293.1	302.0
95°	0.0	71.0	190.9	262.0	275.3
97.5°	0.0	66.6	177.6	235.4	253.1
100°	0.0	62.2	159.9	213.1	230.9
102.5°	0.0	53.3	142.1	190.9	208.7
105°	0.0	53.3	124.3	177.6	190.9
107.5°	4.4	48.8	115.5	159.9	177.6
110°	4.4	48.8	102.1	151.0	164.3
112.5°	4.4	48.8	97.7	137.7	155.4
115°	4.4	44.4	93.3	128.8	137.7
117.5°	4.4	44.4	88.8	115.5	124.3
120°	4.4	40.0	84.4	106.6	111.0
122.5°	4.4	40.0	79.9	97.7	102.1
125°	4.4	40.0	79.9	93.3	97.7
127.5°	4.4	35.5	75.5	88.8	88.8
130°	4.4	35.5	71.0	84.4	84.4
132.5°	4.4	31.1	66.6	79.9	84.4
135°	4.4	31.1	62.2	75.5	79.9
137.5°	4.4	26.6	57.7	71.0	75.5
140°	4.4	26.6	53.3	66.6	71.0
142.5°	4.4	22.2	48.8	62.2	66.6
145°	4.4	22.2	44.4	57.7	62.2
147.5°	4.4	22.2	40.0	53.3	57.7
150°	4.4	17.8	35.5	48.8	53.3
152.5°	4.4	17.8	31.1	44.4	48.8
155°	4.4	13.3	26.6	40.0	44.4
157.5°	4.4	13.3	26.6	35.5	40.0
160°	8.9	13.3	22.2	31.1	35.5
162.5°	4.4	8.9	22.2	26.6	31.1
165°	8.9	8.9	17.8	22.2	26.6
167.5°	8.9	8.9	13.3	17.8	22.2
170°	8.9	8.9	13.3	13.3	17.8
172.5°	8.9	8.9	8.9	13.3	8.9
175°	8.9	8.9	8.9	8.9	4.4
177.5°	8.9	8.9	8.9	8.9	4.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.9	8.9	8.9	8.9	8.9

(END OF REPORT)