

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: P568118

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-96SL-FDL-UNV-L930-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

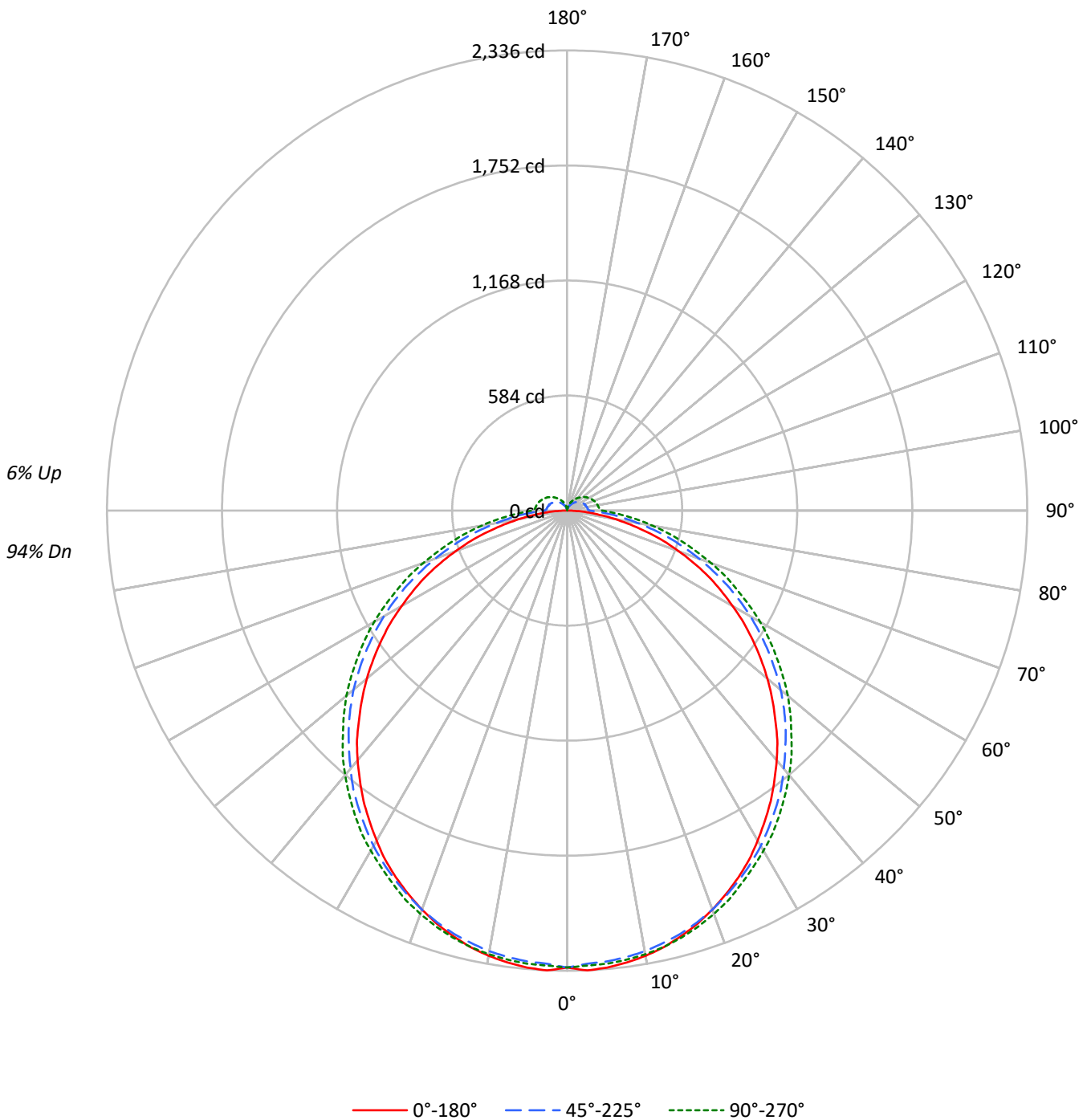
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7371.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12483	12483	12483
5°	12575	12281	12296
10°	12529	12152	12141
15°	12441	12002	11968
20°	12319	11820	11763
25°	12178	11620	11522
30°	11986	11416	11300
35°	11792	11176	11066
40°	11578	10910	10805
45°	11307	10648	10500
50°	11046	10348	10221
55°	10723	9977	9834
60°	10359	9553	9453
65°	9978	9045	8928
70°	9314	8408	8383
75°	8520	7656	7730
80°	7348	6658	7009
85°	5933	5803	6160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	3.0
10°-20°	631.2	8.6
20°-30°	956.6	13.0
30°-40°	1154.8	15.7
40°-50°	1205.9	16.4
50°-60°	1107.8	15.0
60°-70°	876.1	11.9
70°-80°	554.4	7.5
80°-90°	238.3	3.2
90°-100°	104.9	1.4
100°-110°	93.9	1.3
110°-120°	79.3	1.1
120°-130°	61.8	0.8
130°-140°	42.8	0.6
140°-150°	25.7	0.3
150°-160°	12.5	0.2
160°-170°	4.3	0.1
170°-180°	0.6	0.0
0°-30°	1807.8	24.5
0°-40°	2962.6	40.2
0°-60°	5276.3	71.6
0°-90°	6945.1	94.2
90°-120°	278.1	3.8
90°-150°	408.4	5.5
90°-180°	426.0	5.8
0°-180°	7371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2320	2320	2320	2320	2320	
5°	2329	2322	2297	2317	2309	221
15°	2236	2236	2224	2248	2244	631
25°	2056	2065	2068	2095	2091	947
35°	1801	1822	1846	1874	1881	1126
45°	1493	1530	1569	1599	1609	1153
55°	1151	1198	1248	1288	1298	1030
65°	792	837	895	937	952	780
75°	418	467	535	581	603	443
85°	102	157	224	273	290	113
90°	6	56	115	161	178	9
95°	1	48	104	146	162	1
105°	1	44	98	137	151	1
115°	1	38	89	124	137	1
125°	3	34	74	107	119	2
135°	3	26	60	85	95	2
145°	3	20	42	64	70	2
155°	3	13	27	40	48	1
165°	4	9	14	20	27	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2319.5	2319.5	2319.5	2319.5	2319.5
2.5°	2336.5	2328.7	2302.5	2320.8	2311.7
5°	2328.7	2322.1	2297.3	2316.9	2309.1
7.5°	2314.3	2309.1	2286.9	2307.8	2299.9
10°	2294.7	2290.8	2271.2	2292.1	2286.9
12.5°	2269.9	2268.6	2249.0	2272.5	2268.6
15°	2236.0	2236.0	2224.2	2247.7	2243.8
17.5°	2199.4	2200.7	2191.6	2216.4	2213.8
20°	2155.0	2161.6	2155.0	2181.2	2178.5
22.5°	2106.8	2115.9	2113.3	2139.4	2140.7
25°	2055.8	2065.0	2067.6	2095.0	2091.1
27.5°	1999.7	2014.1	2019.3	2044.1	2042.8
30°	1934.5	1954.0	1965.8	1986.7	1993.2
32.5°	1867.9	1891.4	1905.7	1934.5	1942.3
35°	1801.3	1822.2	1845.7	1874.4	1880.9
37.5°	1728.2	1751.7	1783.0	1810.4	1818.3
40°	1655.1	1681.2	1711.2	1741.3	1753.0
42.5°	1579.4	1606.8	1639.5	1674.7	1686.4
45°	1493.3	1529.8	1569.0	1599.0	1609.4
47.5°	1411.0	1451.5	1493.3	1525.9	1537.6
50°	1327.5	1370.6	1414.9	1445.0	1463.2
52.5°	1240.0	1287.0	1331.4	1369.3	1381.0
55°	1151.3	1198.3	1247.9	1288.3	1297.5
57.5°	1065.1	1110.8	1160.4	1198.3	1216.5
60°	971.1	1020.7	1074.3	1112.1	1131.7
62.5°	879.8	928.1	985.5	1026.0	1041.6
65°	792.3	836.7	895.4	937.2	951.6
67.5°	695.7	746.6	802.8	851.1	869.3
70°	600.4	648.7	712.7	758.4	776.7
72.5°	511.7	558.7	622.6	668.3	685.3
75°	417.7	467.3	535.2	580.9	603.0
77.5°	327.6	382.5	447.7	497.3	522.1
80°	244.1	292.4	362.9	417.7	439.9
82.5°	165.8	218.0	291.1	342.0	366.8
85°	101.8	156.6	224.5	272.8	289.8
87.5°	48.3	100.5	163.2	210.2	231.0
90°	6.5	56.1	114.9	160.6	177.5
92.5°	1.3	48.3	105.7	148.8	164.5
95°	1.3	48.3	104.4	146.2	161.9
97.5°	1.3	47.0	103.1	144.9	159.2
100°	1.3	45.7	101.8	142.3	157.9
102.5°	1.3	45.7	99.2	139.7	154.0
105°	1.3	44.4	97.9	137.1	151.4
107.5°	1.3	43.1	95.3	134.4	148.8
110°	1.3	40.5	94.0	130.5	144.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	39.2	91.4	127.9	141.0
115°	1.3	37.9	88.8	124.0	137.1
117.5°	1.3	36.5	84.8	120.1	133.1
120°	2.6	36.5	82.2	116.2	127.9
122.5°	2.6	35.2	78.3	111.0	122.7
125°	2.6	33.9	74.4	107.0	118.8
127.5°	2.6	32.6	70.5	101.8	112.3
130°	2.6	30.0	67.9	96.6	107.0
132.5°	2.6	28.7	64.0	90.1	100.5
135°	2.6	26.1	60.0	84.8	95.3
137.5°	2.6	24.8	56.1	79.6	88.8
140°	2.6	23.5	50.9	74.4	83.5
142.5°	2.6	20.9	47.0	69.2	77.0
145°	2.6	19.6	41.8	64.0	70.5
147.5°	2.6	17.0	37.9	58.7	65.3
150°	2.6	15.7	33.9	53.5	60.0
152.5°	2.6	14.4	30.0	47.0	53.5
155°	2.6	13.1	27.4	40.5	48.3
157.5°	2.6	11.7	23.5	35.2	43.1
160°	3.9	10.4	20.9	30.0	36.5
162.5°	3.9	9.1	17.0	24.8	32.6
165°	3.9	9.1	14.4	19.6	27.4
167.5°	3.9	7.8	11.7	15.7	22.2
170°	3.9	6.5	10.4	11.7	17.0
172.5°	3.9	5.2	7.8	7.8	9.1
175°	3.9	5.2	6.5	6.5	3.9
177.5°	3.9	3.9	3.9	3.9	2.6
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)