

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: P568072

Luminaire Tested: **8SNX-90SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568072
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-90SL-FDL-UNV-L940-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

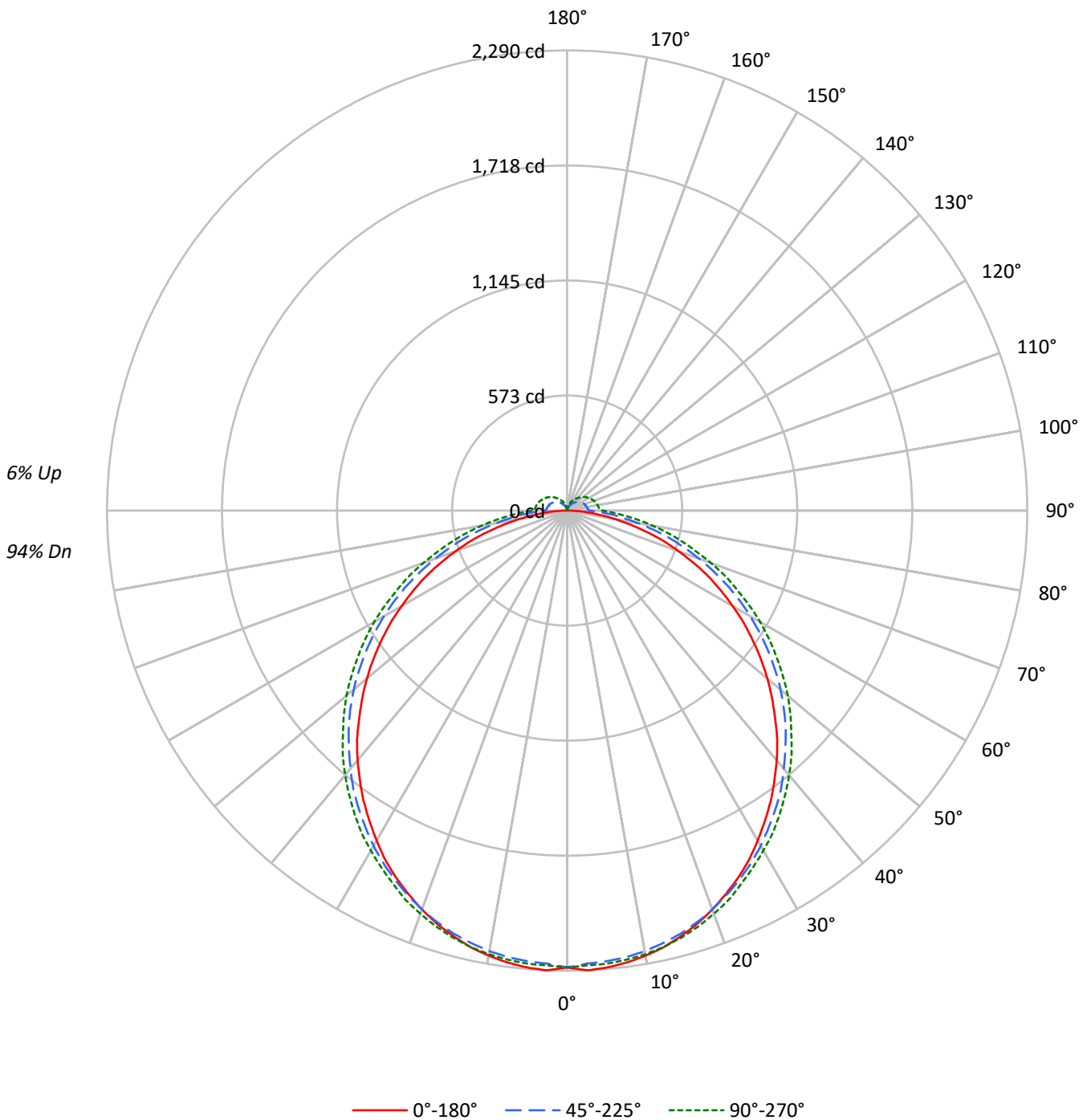
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7225.0 lumens
Efficiency: N/A
Efficacy: 121.2 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): 59.6
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	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°	12236	12236	12236
5°	12326	12037	12052
10°	12281	11911	11901
15°	12195	11765	11731
20°	12076	11586	11531
25°	11937	11389	11294
30°	11748	11189	11076
35°	11558	10954	10847
40°	11348	10694	10591
45°	11083	10437	10292
50°	10828	10143	10019
55°	10511	9779	9639
60°	10155	9363	9266
65°	9781	8866	8750
70°	9130	8241	8217
75°	8351	7505	7578
80°	7204	6526	6870
85°	5816	5689	6037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.6	3.0
10°-20°	618.7	8.6
20°-30°	937.6	13.0
30°-40°	1131.9	15.7
40°-50°	1182.0	16.4
50°-60°	1085.9	15.0
60°-70°	858.7	11.9
70°-80°	543.5	7.5
80°-90°	233.6	3.2
90°-100°	102.8	1.4
100°-110°	92.0	1.3
110°-120°	77.7	1.1
120°-130°	60.6	0.8
130°-140°	42.0	0.6
140°-150°	25.2	0.3
150°-160°	12.3	0.2
160°-170°	4.3	0.1
170°-180°	0.6	0.0
0°-30°	1772.0	24.5
0°-40°	2903.9	40.2
0°-60°	5171.8	71.6
0°-90°	6807.5	94.2
90°-120°	272.6	3.8
90°-150°	400.3	5.5
90°-180°	417.0	5.8
0°-180°	7225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2274	2274	2274	2274	2274	
5°	2282	2276	2252	2271	2263	217
15°	2192	2192	2180	2203	2199	618
25°	2015	2024	2027	2054	2050	928
35°	1766	1786	1809	1837	1844	1104
45°	1464	1500	1538	1567	1578	1130
55°	1128	1174	1223	1263	1272	1010
65°	777	820	878	919	933	765
75°	409	458	525	569	591	434
85°	100	154	220	267	284	110
90°	6	55	113	157	174	8
95°	1	47	102	143	159	1
105°	1	44	96	134	148	1
115°	1	37	87	122	134	1
125°	3	33	73	105	116	2
135°	3	26	59	83	93	2
145°	3	19	41	63	69	2
155°	3	13	27	40	47	1
165°	4	9	14	19	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°	2273.6	2273.6	2273.6	2273.6	2273.6
2.5°	2290.2	2282.5	2256.9	2274.9	2265.9
5°	2282.5	2276.1	2251.8	2271.0	2263.3
7.5°	2268.5	2263.3	2241.6	2262.1	2254.4
10°	2249.3	2245.4	2226.2	2246.7	2241.6
12.5°	2225.0	2223.7	2204.5	2227.5	2223.7
15°	2191.7	2191.7	2180.2	2203.2	2199.4
17.5°	2155.9	2157.1	2148.2	2172.5	2169.9
20°	2112.4	2118.8	2112.4	2138.0	2135.4
22.5°	2065.0	2074.0	2071.4	2097.0	2098.3
25°	2015.1	2024.1	2026.6	2053.5	2049.7
27.5°	1960.1	1974.2	1979.3	2003.6	2002.3
30°	1896.1	1915.3	1926.8	1947.3	1953.7
32.5°	1830.9	1853.9	1868.0	1896.1	1903.8
35°	1765.6	1786.1	1809.1	1837.3	1843.7
37.5°	1694.0	1717.0	1747.7	1774.6	1782.3
40°	1622.3	1647.9	1677.4	1706.8	1718.3
42.5°	1548.1	1575.0	1607.0	1641.5	1653.0
45°	1463.7	1499.5	1537.9	1567.3	1577.6
47.5°	1383.1	1422.7	1463.7	1495.7	1507.2
50°	1301.2	1343.4	1386.9	1416.3	1434.3
52.5°	1215.5	1261.5	1305.0	1342.1	1353.7
55°	1128.5	1174.5	1223.1	1262.8	1271.8
57.5°	1044.0	1088.8	1137.4	1174.5	1192.4
60°	951.9	1000.5	1053.0	1090.1	1109.3
62.5°	862.3	909.7	966.0	1005.6	1021.0
65°	776.6	820.1	877.7	918.6	932.7
67.5°	681.9	731.8	786.9	834.2	852.1
70°	588.5	635.9	698.6	743.4	761.3
72.5°	501.5	547.6	610.3	655.1	671.7
75°	409.4	458.0	524.6	569.4	591.1
77.5°	321.1	374.9	438.8	487.5	511.8
80°	239.3	286.6	355.7	409.4	431.2
82.5°	162.5	213.7	285.3	335.2	359.5
85°	99.8	153.5	220.1	267.4	284.0
87.5°	47.3	98.5	159.9	206.0	226.5
90°	6.4	55.0	112.6	157.4	174.0
92.5°	1.3	47.3	103.6	145.9	161.2
95°	1.3	47.3	102.4	143.3	158.7
97.5°	1.3	46.1	101.1	142.0	156.1
100°	1.3	44.8	99.8	139.5	154.8
102.5°	1.3	44.8	97.2	136.9	151.0
105°	1.3	43.5	96.0	134.3	148.4
107.5°	1.3	42.2	93.4	131.8	145.9
110°	1.3	39.7	92.1	127.9	142.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	38.4	89.6	125.4	138.2
115°	1.3	37.1	87.0	121.5	134.3
117.5°	1.3	35.8	83.2	117.7	130.5
120°	2.6	35.8	80.6	113.9	125.4
122.5°	2.6	34.5	76.8	108.8	120.3
125°	2.6	33.3	72.9	104.9	116.4
127.5°	2.6	32.0	69.1	99.8	110.0
130°	2.6	29.4	66.5	94.7	104.9
132.5°	2.6	28.1	62.7	88.3	98.5
135°	2.6	25.6	58.9	83.2	93.4
137.5°	2.6	24.3	55.0	78.0	87.0
140°	2.6	23.0	49.9	72.9	81.9
142.5°	2.6	20.5	46.1	67.8	75.5
145°	2.6	19.2	40.9	62.7	69.1
147.5°	2.6	16.6	37.1	57.6	64.0
150°	2.6	15.4	33.3	52.5	58.9
152.5°	2.6	14.1	29.4	46.1	52.5
155°	2.6	12.8	26.9	39.7	47.3
157.5°	2.6	11.5	23.0	34.5	42.2
160°	3.8	10.2	20.5	29.4	35.8
162.5°	3.8	9.0	16.6	24.3	32.0
165°	3.8	9.0	14.1	19.2	26.9
167.5°	3.8	7.7	11.5	15.4	21.8
170°	3.8	6.4	10.2	11.5	16.6
172.5°	3.8	5.1	7.7	7.7	9.0
175°	3.8	5.1	6.4	6.4	3.8
177.5°	3.8	3.8	3.8	3.8	2.6
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)