

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: P567256

Luminaire Tested: **8SNX-120SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567256
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-120SL-FDL-UNV-L940-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

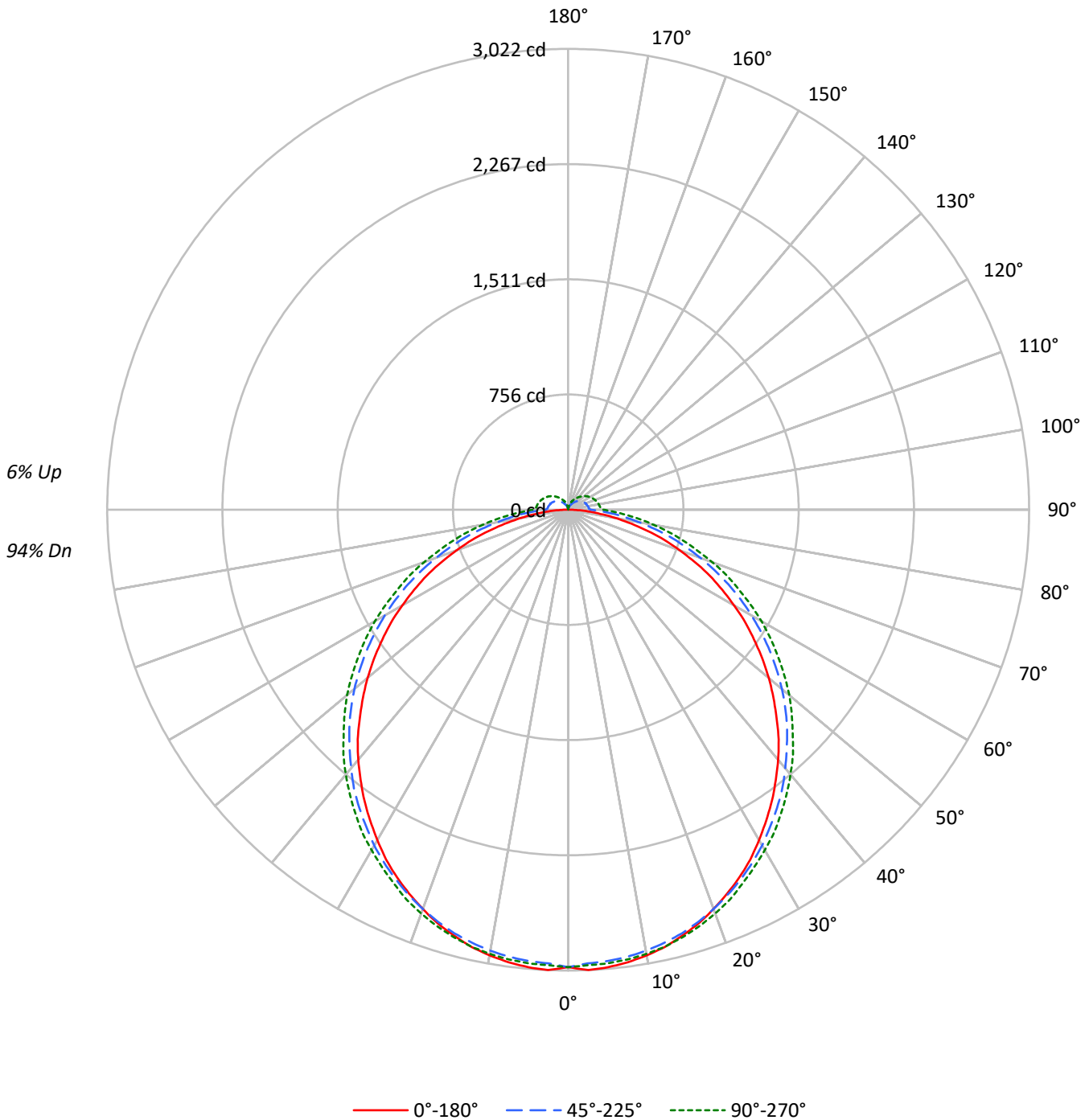
Lumens per Lamp: N/A
Luminaire Lumens: 9533.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 84
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°	16145	16145	16145
5°	16263	15883	15902
10°	16204	15716	15702
15°	16090	15522	15478
20°	15933	15287	15214
25°	15751	15027	14902
30°	15501	14764	14614
35°	15251	14454	14312
40°	14974	14110	13974
45°	14623	13771	13580
50°	14287	13384	13219
55°	13868	12904	12718
60°	13399	12355	12225
65°	12905	11699	11546
70°	12048	10873	10842
75°	11019	9901	9998
80°	9504	8610	9064
85°	7676	7506	7967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.5	3.0
10°-20°	816.4	8.6
20°-30°	1237.2	13.0
30°-40°	1493.5	15.7
40°-50°	1559.6	16.4
50°-60°	1432.8	15.0
60°-70°	1133.0	11.9
70°-80°	717.1	7.5
80°-90°	308.2	3.2
90°-100°	135.7	1.4
100°-110°	121.4	1.3
110°-120°	102.6	1.1
120°-130°	79.9	0.8
130°-140°	55.4	0.6
140°-150°	33.2	0.3
150°-160°	16.2	0.2
160°-170°	5.6	0.1
170°-180°	0.8	0.0
0°-30°	2338.0	24.5
0°-40°	3831.5	40.2
0°-60°	6823.9	71.6
0°-90°	8982.2	94.2
90°-120°	359.6	3.8
90°-150°	528.1	5.5
90°-180°	551.0	5.8
0°-180°	9533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3000	3000	3000	3000	3000	
5°	3012	3003	2971	2996	2986	286
15°	2892	2892	2877	2907	2902	816
25°	2659	2671	2674	2710	2704	1224
35°	2330	2357	2387	2424	2433	1456
45°	1931	1978	2029	2068	2082	1492
55°	1489	1550	1614	1666	1678	1332
65°	1025	1082	1158	1212	1231	1009
75°	540	604	692	751	780	573
85°	132	203	290	353	375	146
90°	8	73	149	208	230	11
95°	2	62	135	189	209	1
105°	2	57	127	177	196	2
115°	2	49	115	160	177	2
125°	3	44	96	138	154	3
135°	3	34	78	110	123	3
145°	3	25	54	83	91	2
155°	3	17	36	52	62	2
165°	5	12	19	25	36	1
175°	5	7	8	8	5	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 8SNX-120SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2999.9	2999.9	2999.9	2999.9	2999.9
2.5°	3021.8	3011.7	2977.9	3001.5	2989.7
5°	3011.7	3003.2	2971.2	2996.5	2986.4
7.5°	2993.1	2986.4	2957.7	2984.7	2974.5
10°	2967.8	2962.7	2937.4	2964.4	2957.7
12.5°	2935.7	2934.0	2908.7	2939.1	2934.0
15°	2891.8	2891.8	2876.6	2907.0	2901.9
17.5°	2844.5	2846.2	2834.4	2866.5	2863.1
20°	2787.1	2795.6	2787.1	2820.9	2817.5
22.5°	2724.7	2736.5	2733.1	2766.9	2768.6
25°	2658.8	2670.7	2674.0	2709.5	2704.4
27.5°	2586.3	2604.8	2611.6	2643.7	2642.0
30°	2501.8	2527.2	2542.4	2569.4	2577.8
32.5°	2415.8	2446.1	2464.7	2501.8	2512.0
35°	2329.7	2356.7	2387.1	2424.2	2432.6
37.5°	2235.1	2265.5	2306.0	2341.5	2351.6
40°	2140.6	2174.3	2213.2	2252.0	2267.2
42.5°	2042.7	2078.1	2120.3	2165.9	2181.1
45°	1931.3	1978.5	2029.2	2068.0	2081.5
47.5°	1824.9	1877.2	1931.3	1973.5	1988.6
50°	1716.9	1772.6	1830.0	1868.8	1892.4
52.5°	1603.7	1664.5	1721.9	1770.9	1786.1
55°	1489.0	1549.7	1613.9	1666.2	1678.0
57.5°	1377.5	1436.6	1500.8	1549.7	1573.4
60°	1256.0	1320.1	1389.4	1438.3	1463.6
62.5°	1137.8	1200.3	1274.6	1326.9	1347.1
65°	1024.7	1082.1	1158.1	1212.1	1230.7
67.5°	899.8	965.6	1038.2	1100.7	1124.3
70°	776.6	839.0	921.7	980.8	1004.5
72.5°	661.8	722.5	805.3	864.3	886.3
75°	540.2	604.4	692.1	751.2	779.9
77.5°	423.7	494.6	579.0	643.2	675.3
80°	315.7	378.1	469.3	540.2	568.9
82.5°	214.4	281.9	376.5	442.3	474.4
85°	131.7	202.6	290.4	352.8	374.8
87.5°	62.5	130.0	211.0	271.8	298.8
90°	8.4	72.6	148.6	207.6	229.6
92.5°	1.7	62.5	136.7	192.4	212.7
95°	1.7	62.5	135.1	189.1	209.3
97.5°	1.7	60.8	133.4	187.4	206.0
100°	1.7	59.1	131.7	184.0	204.3
102.5°	1.7	59.1	128.3	180.6	199.2
105°	1.7	57.4	126.6	177.3	195.8
107.5°	1.7	55.7	123.2	173.9	192.4
110°	1.7	52.3	121.5	168.8	187.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	50.6	118.2	165.4	182.3
115°	1.7	49.0	114.8	160.4	177.3
117.5°	1.7	47.3	109.7	155.3	172.2
120°	3.4	47.3	106.4	150.2	165.4
122.5°	3.4	45.6	101.3	143.5	158.7
125°	3.4	43.9	96.2	138.4	153.6
127.5°	3.4	42.2	91.2	131.7	145.2
130°	3.4	38.8	87.8	124.9	138.4
132.5°	3.4	37.1	82.7	116.5	130.0
135°	3.4	33.8	77.7	109.7	123.2
137.5°	3.4	32.1	72.6	103.0	114.8
140°	3.4	30.4	65.8	96.2	108.0
142.5°	3.4	27.0	60.8	89.5	99.6
145°	3.4	25.3	54.0	82.7	91.2
147.5°	3.4	21.9	49.0	76.0	84.4
150°	3.4	20.3	43.9	69.2	77.7
152.5°	3.4	18.6	38.8	60.8	69.2
155°	3.4	16.9	35.5	52.3	62.5
157.5°	3.4	15.2	30.4	45.6	55.7
160°	5.1	13.5	27.0	38.8	47.3
162.5°	5.1	11.8	21.9	32.1	42.2
165°	5.1	11.8	18.6	25.3	35.5
167.5°	5.1	10.1	15.2	20.3	28.7
170°	5.1	8.4	13.5	15.2	21.9
172.5°	5.1	6.8	10.1	10.1	11.8
175°	5.1	6.8	8.4	8.4	5.1
177.5°	5.1	5.1	5.1	5.1	3.4
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)