

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: P567257

Luminaire Tested: **8SNX-120SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567257
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-L950-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

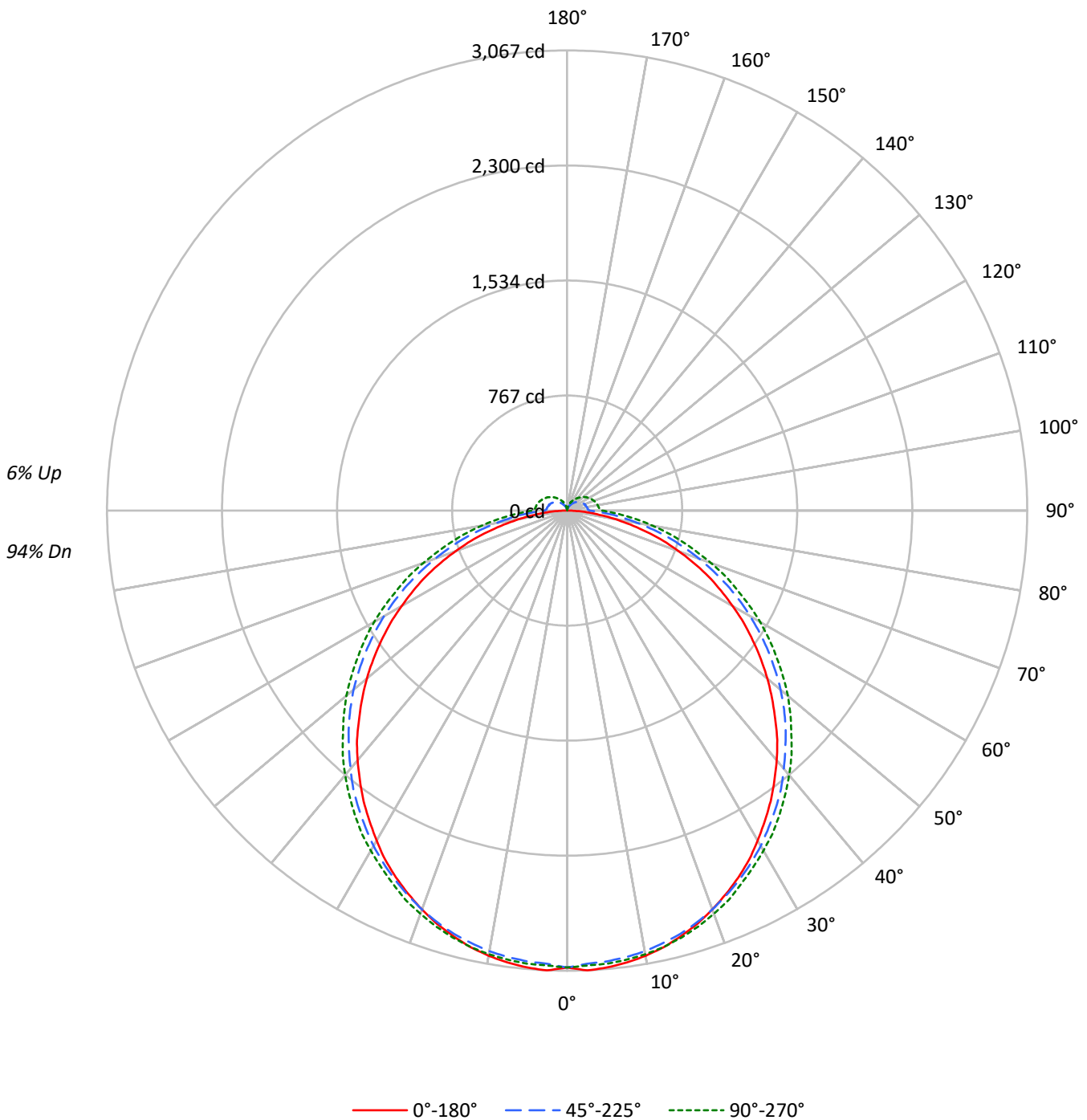
Lumens per Lamp: N/A
Luminaire Lumens: 9677.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 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	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°	16389	16389	16389
5°	16509	16123	16142
10°	16449	15954	15939
15°	16333	15757	15712
20°	16173	15517	15444
25°	15989	15254	15127
30°	15735	14987	14835
35°	15481	14672	14529
40°	15200	14323	14185
45°	14844	13979	13784
50°	14502	13586	13419
55°	14077	13099	12910
60°	13601	12541	12410
65°	13100	11876	11720
70°	12230	11038	11005
75°	11186	10051	10150
80°	9648	8741	9201
85°	7792	7617	8086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	3.0
10°-20°	828.7	8.6
20°-30°	1255.9	13.0
30°-40°	1516.1	15.7
40°-50°	1583.1	16.4
50°-60°	1454.4	15.0
60°-70°	1150.1	11.9
70°-80°	727.9	7.5
80°-90°	312.9	3.2
90°-100°	137.7	1.4
100°-110°	123.3	1.3
110°-120°	104.1	1.1
120°-130°	81.1	0.8
130°-140°	56.2	0.6
140°-150°	33.7	0.3
150°-160°	16.5	0.2
160°-170°	5.7	0.1
170°-180°	0.8	0.0
0°-30°	2373.4	24.5
0°-40°	3889.4	40.2
0°-60°	6926.9	71.6
0°-90°	9117.9	94.2
90°-120°	365.1	3.8
90°-150°	536.1	5.5
90°-180°	559.0	5.8
0°-180°	9677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3045	3045	3045	3045	3045	
5°	3057	3049	3016	3042	3032	290
15°	2936	2936	2920	2951	2946	828
25°	2699	2711	2714	2750	2745	1243
35°	2365	2392	2423	2461	2469	1478
45°	1960	2008	2060	2099	2113	1514
55°	1511	1573	1638	1691	1703	1352
65°	1040	1098	1176	1230	1249	1024
75°	548	614	703	763	792	581
85°	134	206	295	358	380	148
90°	9	74	151	211	233	11
95°	2	63	137	192	212	1
105°	2	58	128	180	199	2
115°	2	50	116	163	180	2
125°	3	45	98	140	156	3
135°	3	34	79	111	125	3
145°	3	26	55	84	92	2
155°	3	17	36	53	63	2
165°	5	12	19	26	36	1
175°	5	7	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°	3045.2	3045.2	3045.2	3045.2	3045.2
2.5°	3067.4	3057.2	3022.9	3046.9	3034.9
5°	3057.2	3048.6	3016.0	3041.7	3031.5
7.5°	3038.3	3031.5	3002.3	3029.7	3019.5
10°	3012.6	3007.5	2981.8	3009.2	3002.3
12.5°	2980.1	2978.3	2952.6	2983.5	2978.3
15°	2935.5	2935.5	2920.1	2950.9	2945.8
17.5°	2887.5	2889.2	2877.2	2909.8	2906.4
20°	2829.2	2837.8	2829.2	2863.5	2860.1
22.5°	2765.8	2777.8	2774.4	2808.7	2810.4
25°	2699.0	2711.0	2714.4	2750.4	2745.3
27.5°	2625.3	2644.2	2651.0	2683.6	2681.9
30°	2539.6	2565.3	2580.8	2608.2	2616.8
32.5°	2452.2	2483.1	2501.9	2539.6	2549.9
35°	2364.8	2392.3	2423.1	2460.8	2469.4
37.5°	2268.9	2299.7	2340.9	2376.8	2387.1
40°	2172.9	2207.2	2246.6	2286.0	2301.4
42.5°	2073.5	2109.5	2152.4	2198.6	2214.0
45°	1960.4	2008.4	2059.8	2099.2	2112.9
47.5°	1852.5	1905.6	1960.4	2003.3	2018.7
50°	1742.8	1799.3	1857.6	1897.0	1921.0
52.5°	1628.0	1689.7	1747.9	1797.6	1813.0
55°	1511.4	1573.1	1638.3	1691.4	1703.4
57.5°	1398.3	1458.3	1523.4	1573.1	1597.1
60°	1275.0	1340.1	1410.3	1460.0	1485.7
62.5°	1155.0	1218.4	1293.8	1346.9	1367.5
65°	1040.2	1098.5	1175.6	1230.4	1249.3
67.5°	913.4	980.2	1053.9	1117.3	1141.3
70°	788.3	851.7	935.7	995.6	1019.6
72.5°	671.8	733.4	817.4	877.4	899.7
75°	548.4	613.5	702.6	762.6	791.7
77.5°	430.1	502.1	587.8	652.9	685.5
80°	320.5	383.9	476.4	548.4	577.5
82.5°	217.6	286.2	382.1	449.0	481.5
85°	133.7	205.6	294.7	358.2	380.4
87.5°	63.4	132.0	214.2	275.9	303.3
90°	8.6	73.7	150.8	210.8	233.1
92.5°	1.7	63.4	138.8	195.4	215.9
95°	1.7	63.4	137.1	191.9	212.5
97.5°	1.7	61.7	135.4	190.2	209.1
100°	1.7	60.0	133.7	186.8	207.4
102.5°	1.7	60.0	130.2	183.4	202.2
105°	1.7	58.3	128.5	179.9	198.8
107.5°	1.7	56.6	125.1	176.5	195.4
110°	1.7	53.1	123.4	171.4	190.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	51.4	120.0	167.9	185.1
115°	1.7	49.7	116.5	162.8	179.9
117.5°	1.7	48.0	111.4	157.7	174.8
120°	3.4	48.0	108.0	152.5	167.9
122.5°	3.4	46.3	102.8	145.7	161.1
125°	3.4	44.6	97.7	140.5	155.9
127.5°	3.4	42.8	92.5	133.7	147.4
130°	3.4	39.4	89.1	126.8	140.5
132.5°	3.4	37.7	84.0	118.2	132.0
135°	3.4	34.3	78.8	111.4	125.1
137.5°	3.4	32.6	73.7	104.5	116.5
140°	3.4	30.8	66.8	97.7	109.7
142.5°	3.4	27.4	61.7	90.8	101.1
145°	3.4	25.7	54.8	84.0	92.5
147.5°	3.4	22.3	49.7	77.1	85.7
150°	3.4	20.6	44.6	70.3	78.8
152.5°	3.4	18.9	39.4	61.7	70.3
155°	3.4	17.1	36.0	53.1	63.4
157.5°	3.4	15.4	30.8	46.3	56.6
160°	5.1	13.7	27.4	39.4	48.0
162.5°	5.1	12.0	22.3	32.6	42.8
165°	5.1	12.0	18.9	25.7	36.0
167.5°	5.1	10.3	15.4	20.6	29.1
170°	5.1	8.6	13.7	15.4	22.3
172.5°	5.1	6.9	10.3	10.3	12.0
175°	5.1	6.9	8.6	8.6	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)