

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: P567263

Luminaire Tested: **8SNX-120SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567263
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-120SL-LC-UNV-L935-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

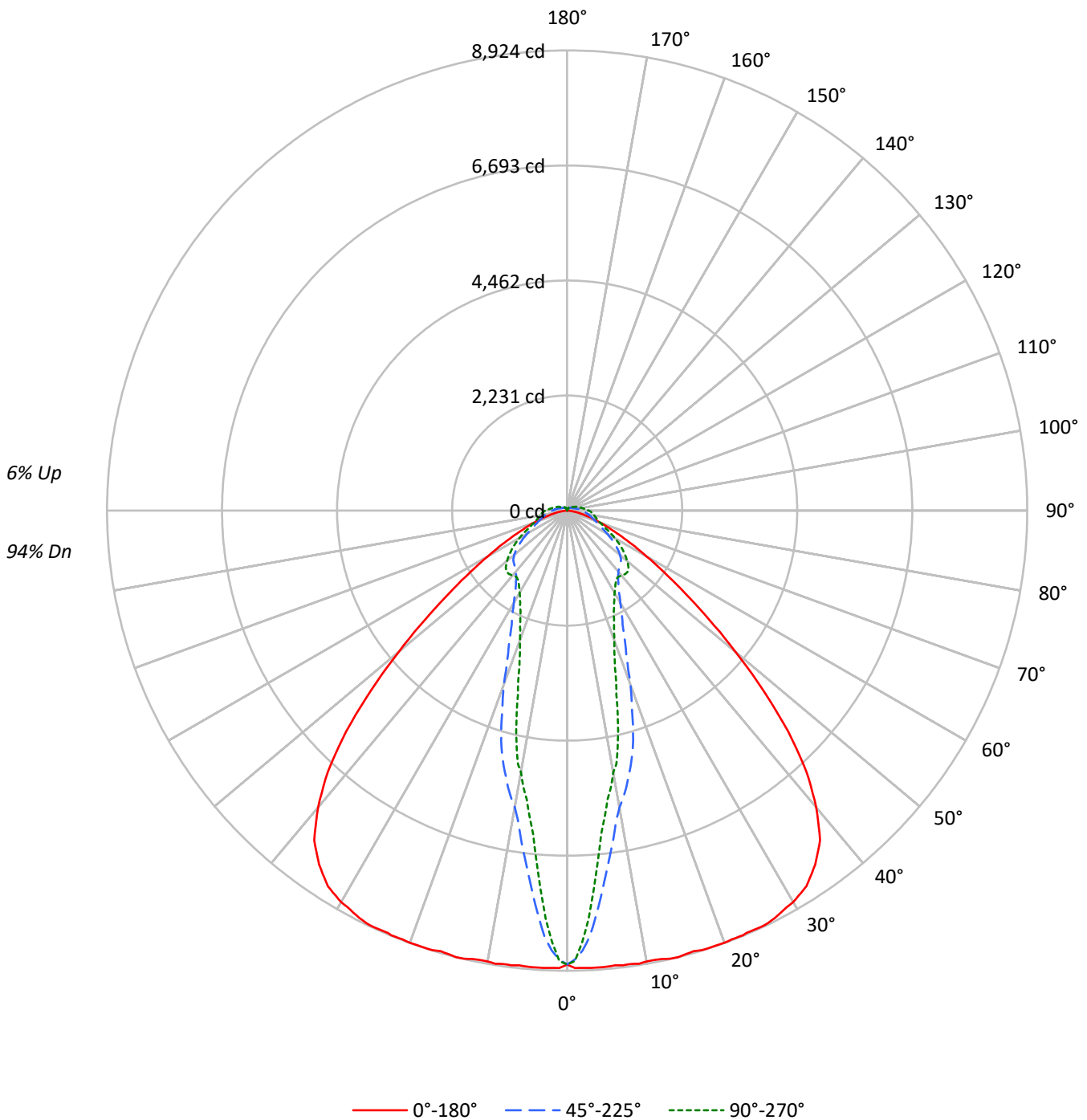
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10850.0 lumens
Efficiency: N/A
Efficacy: 129.2 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): 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	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°	47372	47372	47372
5°	47887	38957	34828
10°	48351	29444	25206
15°	49325	24094	17454
20°	50697	17453	12327
25°	52388	12517	9697
30°	53846	10010	8259
35°	54299	8476	7397
40°	51909	7714	7415
45°	45189	7461	7618
50°	34798	7104	7108
55°	25333	6220	6307
60°	18485	5199	5333
65°	13557	4403	4372
70°	10097	3896	3770
75°	7295	3615	3514
80°	4931	3395	3460
85°	2494	3246	3466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	6.4
10°-20°	1503.2	13.9
20°-30°	1720.6	15.9
30°-40°	1723.7	15.9
40°-50°	1631.7	15.0
50°-60°	1251.4	11.5
60°-70°	806.6	7.4
70°-80°	514.4	4.7
80°-90°	341.5	3.1
90°-100°	229.6	2.1
100°-110°	151.3	1.4
110°-120°	105.2	1.0
120°-130°	73.4	0.7
130°-140°	51.0	0.5
140°-150°	31.2	0.3
150°-160°	15.8	0.1
160°-170°	6.1	0.1
170°-180°	1.2	0.0
0°-30°	3916.0	36.1
0°-40°	5639.7	52.0
0°-60°	8522.7	78.6
0°-90°	10185.2	93.9
90°-120°	486.1	4.5
90°-150°	641.7	5.9
90°-180°	665.0	6.1
0°-180°	10850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8802	8802	8802	8802	8802	
5°	8880	8391	7518	7012	6823	848
15°	8902	6411	4888	4015	3692	2525
25°	8908	4537	2586	2246	2141	4106
35°	8385	2524	1729	1674	1651	5202
45°	6061	1596	1457	1612	1668	4608
55°	2780	1140	1123	1262	1312	2557
65°	1112	717	706	806	834	1144
75°	378	389	489	562	589	416
85°	50	178	345	450	484	69
90°	0	122	289	400	417	2
95°	0	89	239	328	345	0
105°	0	67	156	222	239	4
115°	6	56	117	161	172	6
125°	6	50	100	117	122	5
135°	6	39	78	94	100	4
145°	6	28	56	72	78	4
155°	6	17	33	50	56	3
165°	11	11	22	28	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8802.0	8802.0	8802.0	8802.0	8802.0
1°	8874.3	8824.3	8707.5	8740.9	8735.3
2°	8874.3	8768.7	8540.7	8474.0	8373.9
3°	8879.9	8674.2	8284.9	8068.1	7929.1
4°	8879.9	8535.1	7906.8	7545.4	7367.5
5°	8879.9	8390.6	7517.6	7011.6	6822.6
6°	8868.8	8218.2	7122.8	6589.0	6305.4
7°	8885.5	8029.2	6767.0	6194.2	5971.8
8°	8879.9	7806.7	6438.9	5894.0	5649.3
9°	8896.6	7589.9	6083.0	5610.4	5426.9
10°	8879.9	7389.7	5849.5	5343.5	5154.5
11°	8879.9	7195.1	5682.7	5171.1	5009.9
12°	8891.0	6972.7	5499.2	4926.5	4704.1
13°	8918.8	6744.7	5287.9	4659.6	4398.2
14°	8924.4	6572.3	5093.3	4320.4	4047.9
15°	8902.1	6411.1	4887.6	4014.6	3692.1
16°	8891.0	6244.3	4642.9	3725.4	3436.3
17°	8913.3	6049.7	4364.9	3430.7	3163.8
18°	8918.8	5871.7	4070.2	3208.3	2974.8
19°	8918.8	5732.7	3831.1	3002.6	2802.4
20°	8918.8	5599.3	3586.4	2846.9	2674.5
21°	8907.7	5432.5	3308.4	2685.7	2541.1
22.5°	8913.3	5121.1	2991.5	2496.6	2379.8
23°	8896.6	5043.2	2913.6	2446.6	2324.2
24°	8902.1	4820.8	2746.8	2346.5	2229.7
25°	8907.7	4537.3	2585.6	2246.4	2140.7
26°	8896.6	4309.3	2452.1	2151.9	2079.6
27°	8868.8	4125.8	2357.6	2074.0	2007.3
28°	8829.8	3881.1	2257.5	2007.3	1946.1
29°	8790.9	3603.1	2157.4	1935.0	1890.5
30°	8768.7	3380.7	2062.9	1879.4	1840.5
32.5°	8635.2	2941.4	1868.3	1768.2	1734.8
35°	8385.0	2524.4	1729.3	1673.7	1651.4
37.5°	8057.0	2201.9	1623.6	1612.5	1618.1
40°	7517.6	1946.1	1545.8	1595.8	1645.9
42.5°	6872.6	1746.0	1490.2	1612.5	1668.1
45°	6060.8	1595.8	1456.8	1612.5	1668.1
47.5°	5160.0	1473.5	1417.9	1556.9	1612.5
50°	4259.2	1362.3	1340.0	1473.5	1523.5
52.5°	3464.1	1256.6	1240.0	1367.8	1417.9
55°	2780.2	1139.9	1123.2	1262.2	1312.2
57.5°	2229.7	1028.7	1012.0	1139.9	1189.9
60°	1779.3	917.5	889.7	1017.5	1067.6
62.5°	1417.9	811.8	795.1	906.3	950.8
65°	1112.1	717.3	706.2	806.3	834.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	878.5	628.3	633.9	717.3	750.6
70°	678.4	544.9	578.3	656.1	678.4
72.5°	511.6	461.5	533.8	600.5	628.3
75°	378.1	389.2	489.3	561.6	589.4
77.5°	261.3	322.5	450.4	528.2	556.0
80°	177.9	261.3	411.5	500.4	533.8
82.5°	105.6	216.9	378.1	472.6	511.6
85°	50.0	177.9	344.7	450.4	483.8
87.5°	16.7	144.6	311.4	428.1	455.9
90°	0.0	122.3	289.1	400.3	417.0
92.5°	0.0	105.6	261.3	367.0	378.1
95°	0.0	89.0	239.1	328.1	344.7
97.5°	0.0	83.4	222.4	294.7	316.9
100°	0.0	77.8	200.2	266.9	289.1
102.5°	0.0	66.7	177.9	239.1	261.3
105°	0.0	66.7	155.7	222.4	239.1
107.5°	5.6	61.2	144.6	200.2	222.4
110°	5.6	61.2	127.9	189.1	205.7
112.5°	5.6	61.2	122.3	172.4	194.6
115°	5.6	55.6	116.8	161.3	172.4
117.5°	5.6	55.6	111.2	144.6	155.7
120°	5.6	50.0	105.6	133.4	139.0
122.5°	5.6	50.0	100.1	122.3	127.9
125°	5.6	50.0	100.1	116.8	122.3
127.5°	5.6	44.5	94.5	111.2	111.2
130°	5.6	44.5	89.0	105.6	105.6
132.5°	5.6	38.9	83.4	100.1	105.6
135°	5.6	38.9	77.8	94.5	100.1
137.5°	5.6	33.4	72.3	89.0	94.5
140°	5.6	33.4	66.7	83.4	89.0
142.5°	5.6	27.8	61.2	77.8	83.4
145°	5.6	27.8	55.6	72.3	77.8
147.5°	5.6	27.8	50.0	66.7	72.3
150°	5.6	22.2	44.5	61.2	66.7
152.5°	5.6	22.2	38.9	55.6	61.2
155°	5.6	16.7	33.4	50.0	55.6
157.5°	5.6	16.7	33.4	44.5	50.0
160°	11.1	16.7	27.8	38.9	44.5
162.5°	5.6	11.1	27.8	33.4	38.9
165°	11.1	11.1	22.2	27.8	33.4
167.5°	11.1	11.1	16.7	22.2	27.8
170°	11.1	11.1	16.7	16.7	22.2
172.5°	11.1	11.1	11.1	16.7	11.1
175°	11.1	11.1	11.1	11.1	5.6
177.5°	11.1	11.1	11.1	11.1	5.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.1	11.1	11.1	11.1	11.1

(END OF REPORT)