

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: P567272

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LN-UNV-L940-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

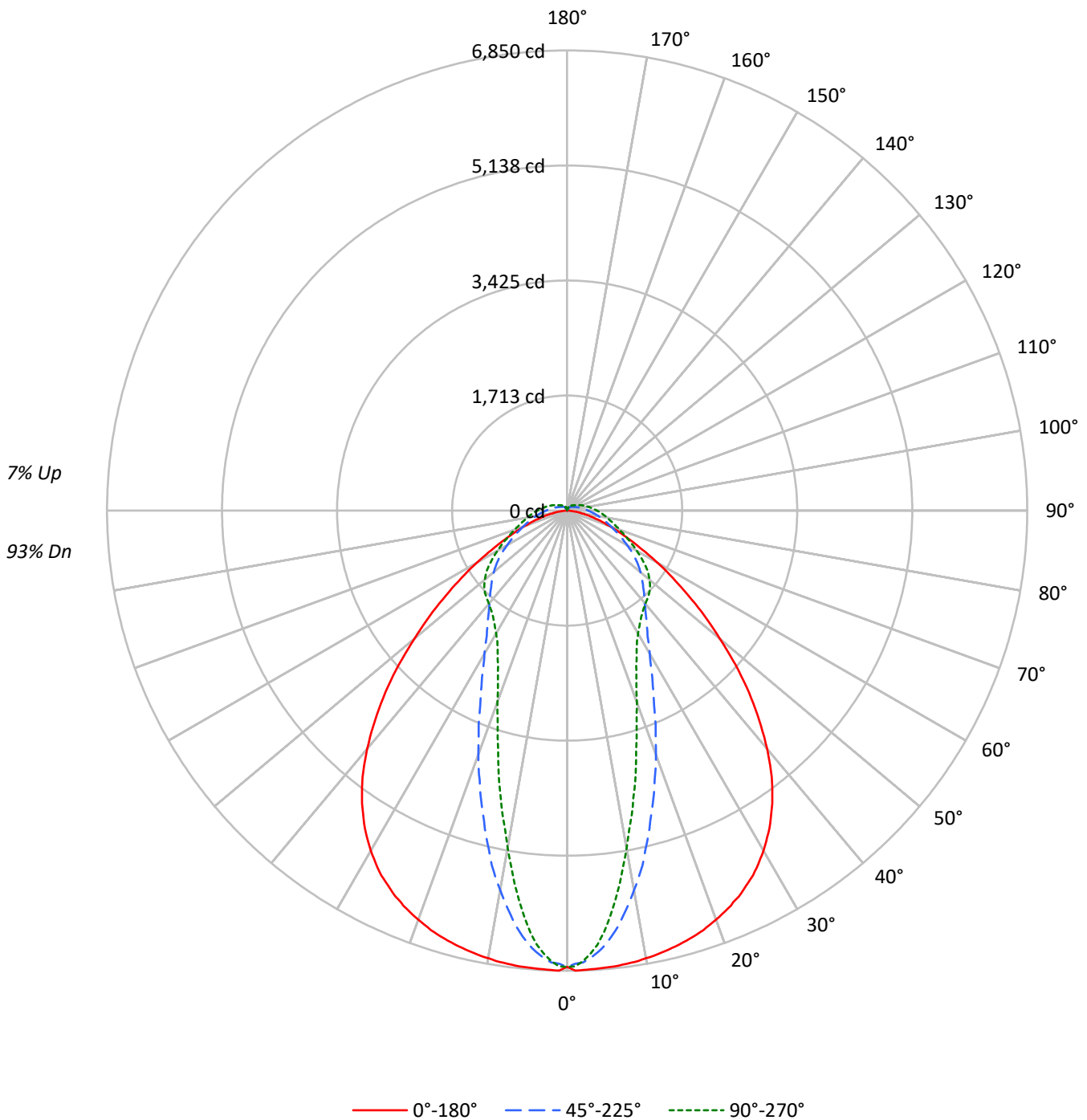
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10828.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36558	36558	36558
5°	36815	33642	32155
10°	36832	28878	24947
15°	36883	23583	18698
20°	36837	18806	13993
25°	36579	14752	11105
30°	35892	11951	9473
35°	34470	10125	8617
40°	31974	8948	8156
45°	28517	8196	7904
50°	24248	7551	7467
55°	20011	6851	6819
60°	16095	6035	5982
65°	12590	5307	5205
70°	9883	4703	4604
75°	7774	4235	4195
80°	5663	3885	3899
85°	3396	3634	3740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.5	5.6
10°-20°	1410.0	13.0
20°-30°	1673.7	15.5
30°-40°	1683.9	15.6
40°-50°	1565.3	14.5
50°-60°	1288.9	11.9
60°-70°	908.2	8.4
70°-80°	593.4	5.5
80°-90°	378.8	3.5
90°-100°	248.4	2.3
100°-110°	168.7	1.6
110°-120°	115.6	1.1
120°-130°	80.0	0.7
130°-140°	53.8	0.5
140°-150°	33.2	0.3
150°-160°	17.2	0.2
160°-170°	6.2	0.1
170°-180°	1.1	0.0
0°-30°	3685.3	34.0
0°-40°	5369.2	49.6
0°-60°	8223.4	75.9
0°-90°	10103.8	93.3
90°-120°	532.7	4.9
90°-150°	699.7	6.5
90°-180°	724.0	6.7
0°-180°	10828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6793	6793	6793	6793	6793	
5°	6827	6736	6492	6367	6299	650
15°	6656	5947	4784	4182	3955	1880
25°	6220	4597	3047	2559	2452	2862
35°	5323	3110	2066	1935	1924	3310
45°	3825	2049	1600	1685	1731	2936
55°	2196	1345	1237	1373	1419	1983
65°	1033	812	851	959	993	1048
75°	403	420	573	675	704	436
85°	68	193	386	499	522	86
90°	0	130	312	426	443	4
95°	0	96	261	358	374	0
105°	0	68	176	250	272	0
115°	6	57	125	182	193	5
125°	6	45	102	130	142	5
135°	6	40	79	102	108	4
145°	6	28	57	79	85	4
155°	6	23	40	57	62	3
165°	6	11	23	28	34	2
175°	11	11	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6792.7	6792.7	6792.7	6792.7	6792.7
1°	6849.5	6821.1	6747.3	6798.4	6787.1
2°	6843.8	6815.4	6730.3	6753.0	6713.3
3°	6838.1	6798.4	6667.9	6662.2	6605.5
4°	6832.5	6770.0	6588.4	6520.3	6474.9
5°	6826.8	6736.0	6492.0	6367.1	6299.0
6°	6821.1	6696.3	6367.1	6179.9	6083.4
7°	6809.8	6633.8	6236.6	5981.2	5856.4
8°	6798.4	6577.1	6072.0	5765.6	5612.4
9°	6787.1	6503.3	5907.5	5532.9	5351.3
10°	6764.4	6429.5	5737.2	5294.6	5101.6
11°	6753.0	6344.4	5572.6	5067.6	4840.6
12°	6730.3	6253.6	5396.7	4829.2	4630.6
13°	6707.6	6157.2	5181.1	4625.0	4386.6
14°	6684.9	6055.0	4993.8	4398.0	4176.6
15°	6656.5	5947.2	4783.9	4182.3	3955.3
16°	6628.2	5822.3	4596.6	3961.0	3722.7
17°	6599.8	5703.2	4420.7	3756.7	3541.1
18°	6565.7	5584.0	4216.4	3558.1	3348.1
19°	6520.3	5447.8	4051.8	3376.5	3183.6
20°	6480.6	5323.0	3864.5	3206.3	3036.0
21°	6435.2	5169.7	3677.3	3047.4	2877.1
22.5°	6367.1	4954.1	3438.9	2848.7	2689.9
23°	6333.1	4891.7	3342.5	2775.0	2638.8
24°	6287.7	4727.1	3183.6	2661.5	2525.3
25°	6219.6	4596.6	3047.4	2559.3	2451.5
26°	6157.2	4437.7	2911.2	2468.5	2360.7
27°	6094.7	4284.5	2792.0	2372.1	2281.3
28°	6015.3	4125.6	2661.5	2292.6	2213.2
29°	5930.2	3978.0	2553.7	2224.5	2162.1
30°	5845.0	3813.5	2462.9	2162.1	2111.0
32.5°	5606.7	3450.3	2230.2	2042.9	2008.9
35°	5323.0	3109.8	2065.6	1935.1	1923.8
37.5°	5005.2	2797.7	1918.1	1850.0	1861.3
40°	4630.6	2513.9	1793.2	1787.6	1810.3
42.5°	4233.4	2269.9	1696.8	1736.5	1770.5
45°	3824.8	2048.6	1600.3	1685.4	1730.8
47.5°	3399.2	1855.7	1515.2	1623.0	1674.1
50°	2967.9	1668.4	1424.4	1549.2	1600.3
52.5°	2582.0	1503.8	1333.6	1464.1	1520.8
55°	2196.1	1344.9	1237.1	1373.3	1418.7
57.5°	1861.3	1197.4	1135.0	1271.2	1305.2
60°	1549.2	1055.5	1032.8	1157.7	1197.4
62.5°	1265.5	930.7	936.3	1055.5	1095.2
65°	1032.8	811.5	851.2	959.0	993.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	839.9	698.0	766.1	879.6	908.0
70°	664.0	595.9	698.0	800.1	828.5
72.5°	527.8	505.1	629.9	737.7	760.4
75°	402.9	419.9	573.2	675.3	703.7
77.5°	289.4	351.8	516.4	624.2	646.9
80°	204.3	289.4	471.0	578.8	601.5
82.5°	130.5	238.3	425.6	539.1	561.8
85°	68.1	192.9	385.9	499.4	522.1
87.5°	28.4	158.9	346.2	459.7	482.4
90°	0.0	130.5	312.1	425.6	442.6
92.5°	0.0	113.5	283.7	391.6	408.6
95°	0.0	96.5	261.0	357.5	374.5
97.5°	0.0	90.8	232.7	329.1	346.2
100°	0.0	79.4	210.0	300.8	323.5
102.5°	0.0	73.8	192.9	272.4	295.1
105°	0.0	68.1	175.9	249.7	272.4
107.5°	0.0	62.4	164.6	232.7	249.7
110°	0.0	62.4	147.5	215.6	232.7
112.5°	5.7	56.7	136.2	192.9	210.0
115°	5.7	56.7	124.8	181.6	192.9
117.5°	5.7	56.7	119.2	164.6	175.9
120°	5.7	51.1	113.5	153.2	164.6
122.5°	5.7	51.1	107.8	141.9	147.5
125°	5.7	45.4	102.1	130.5	141.9
127.5°	5.7	45.4	96.5	124.8	130.5
130°	5.7	45.4	90.8	113.5	124.8
132.5°	5.7	39.7	85.1	107.8	113.5
135°	5.7	39.7	79.4	102.1	107.8
137.5°	5.7	34.0	73.8	96.5	102.1
140°	5.7	34.0	68.1	90.8	96.5
142.5°	5.7	28.4	62.4	85.1	90.8
145°	5.7	28.4	56.7	79.4	85.1
147.5°	5.7	28.4	51.1	73.8	79.4
150°	5.7	22.7	45.4	68.1	73.8
152.5°	5.7	22.7	39.7	62.4	68.1
155°	5.7	22.7	39.7	56.7	62.4
157.5°	5.7	17.0	34.0	45.4	56.7
160°	5.7	17.0	28.4	39.7	51.1
162.5°	5.7	17.0	28.4	34.0	39.7
165°	5.7	11.3	22.7	28.4	34.0
167.5°	5.7	11.3	17.0	22.7	28.4
170°	5.7	11.3	17.0	17.0	22.7
172.5°	5.7	11.3	11.3	11.3	11.3
175°	11.3	11.3	11.3	11.3	5.7
177.5°	11.3	11.3	11.3	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)