

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: P567270

Luminaire Tested: **8SNX-120SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567270
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-L930-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

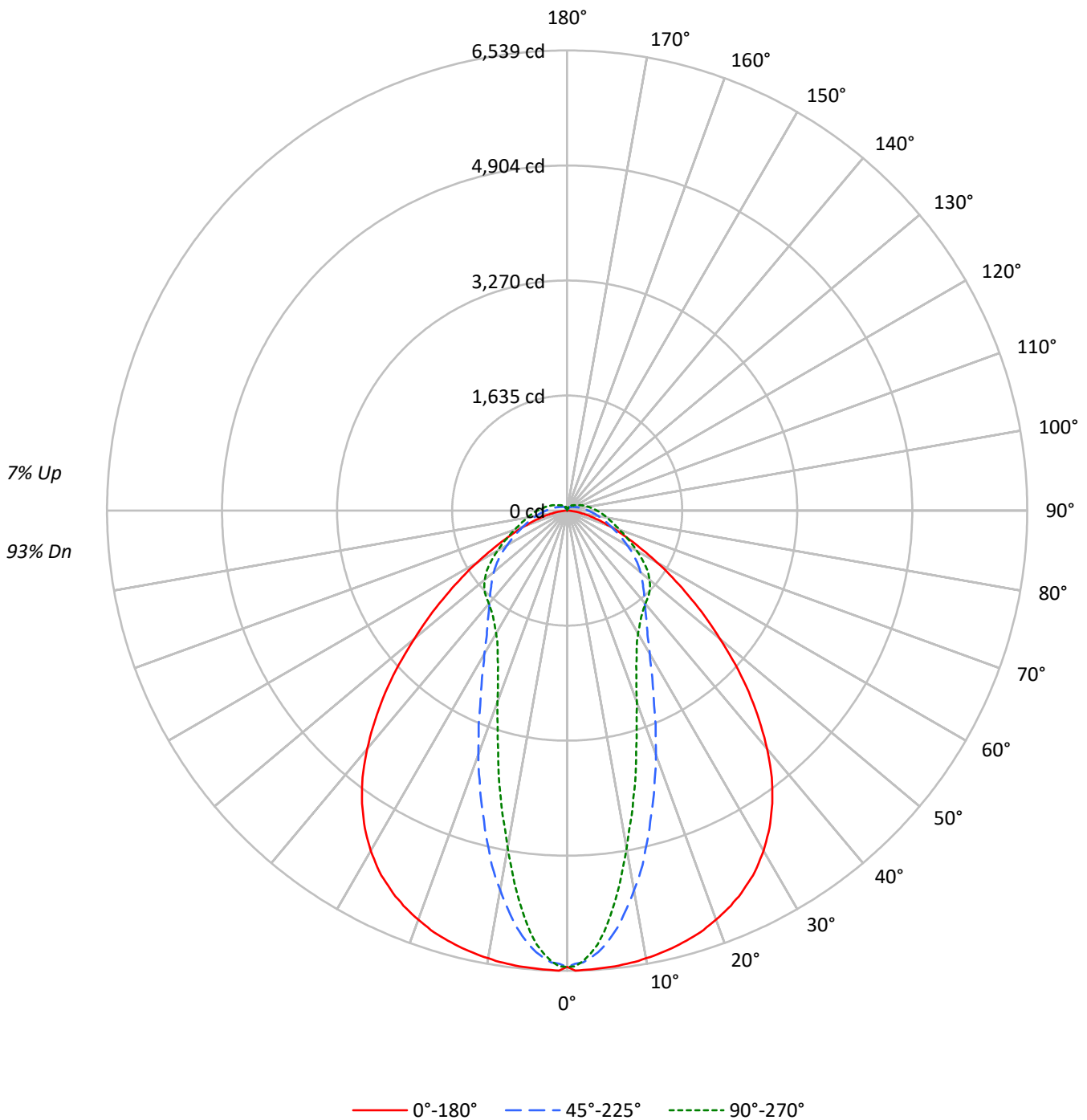
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10337.0 lumens
Efficiency: N/A
Efficacy: 123.1 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°	34900	34900	34900
5°	35145	32117	30697
10°	35162	27569	23816
15°	35211	22513	17850
20°	35167	17953	13358
25°	34920	14083	10602
30°	34265	11409	9043
35°	32907	9666	8226
40°	30525	8543	7786
45°	27224	7824	7546
50°	23148	7209	7128
55°	19104	6541	6510
60°	15365	5762	5710
65°	12020	5066	4969
70°	9433	4489	4396
75°	7421	4043	4005
80°	5405	3709	3723
85°	3242	3470	3570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.3	5.6
10°-20°	1346.1	13.0
20°-30°	1597.8	15.5
30°-40°	1607.6	15.6
40°-50°	1494.3	14.5
50°-60°	1230.5	11.9
60°-70°	867.0	8.4
70°-80°	566.5	5.5
80°-90°	361.6	3.5
90°-100°	237.2	2.3
100°-110°	161.0	1.6
110°-120°	110.4	1.1
120°-130°	76.3	0.7
130°-140°	51.4	0.5
140°-150°	31.7	0.3
150°-160°	16.4	0.2
160°-170°	5.9	0.1
170°-180°	1.0	0.0
0°-30°	3518.2	34.0
0°-40°	5125.7	49.6
0°-60°	7850.5	75.9
0°-90°	9645.7	93.3
90°-120°	508.6	4.9
90°-150°	667.9	6.5
90°-180°	691.0	6.7
0°-180°	10337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6485	6485	6485	6485	6485	
5°	6517	6430	6198	6078	6013	620
15°	6355	5678	4567	3993	3776	1795
25°	5938	4388	2909	2443	2340	2732
35°	5082	2969	1972	1847	1836	3160
45°	3651	1956	1528	1609	1652	2803
55°	2097	1284	1181	1311	1354	1894
65°	986	775	813	916	948	1000
75°	385	401	547	645	672	416
85°	65	184	368	477	498	82
90°	0	125	298	406	423	4
95°	0	92	249	341	358	0
105°	0	65	168	238	260	0
115°	5	54	119	173	184	5
125°	5	43	98	125	135	5
135°	5	38	76	98	103	4
145°	5	27	54	76	81	3
155°	5	22	38	54	60	2
165°	5	11	22	27	32	2
175°	11	11	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6484.7	6484.7	6484.7	6484.7	6484.7
1°	6538.9	6511.8	6441.4	6490.1	6479.3
2°	6533.5	6506.4	6425.1	6446.8	6408.9
3°	6528.0	6490.1	6365.5	6360.1	6305.9
4°	6522.6	6463.0	6289.7	6224.7	6181.3
5°	6517.2	6430.5	6197.6	6078.4	6013.4
6°	6511.8	6392.6	6078.4	5899.6	5807.5
7°	6501.0	6333.0	5953.8	5710.0	5590.8
8°	6490.1	6278.8	5796.7	5504.1	5357.9
9°	6479.3	6208.4	5639.6	5282.0	5108.7
10°	6457.6	6138.0	5477.1	5054.5	4870.3
11°	6446.8	6056.7	5320.0	4837.8	4621.1
12°	6425.1	5970.1	5152.0	4610.3	4420.7
13°	6403.4	5878.0	4946.1	4415.2	4187.7
14°	6381.8	5780.4	4767.4	4198.5	3987.3
15°	6354.7	5677.5	4566.9	3992.7	3776.0
16°	6327.6	5558.3	4388.1	3781.4	3553.9
17°	6300.5	5444.6	4220.2	3586.4	3380.5
18°	6268.0	5330.8	4025.2	3396.8	3196.3
19°	6224.7	5200.8	3868.1	3223.4	3039.2
20°	6186.7	5081.6	3689.3	3060.9	2898.3
21°	6143.4	4935.3	3510.5	2909.2	2746.7
22.5°	6078.4	4729.4	3283.0	2719.6	2567.9
23°	6045.9	4669.9	3190.9	2649.1	2519.1
24°	6002.6	4512.8	3039.2	2540.8	2410.8
25°	5937.5	4388.1	2909.2	2443.3	2340.3
26°	5878.0	4236.5	2779.2	2356.6	2253.7
27°	5818.4	4090.2	2665.4	2264.5	2177.8
28°	5742.5	3938.5	2540.8	2188.7	2112.8
29°	5661.3	3797.6	2437.9	2123.6	2064.1
30°	5580.0	3640.5	2351.2	2064.1	2015.3
32.5°	5352.5	3293.8	2129.1	1950.3	1917.8
35°	5081.6	2968.8	1972.0	1847.4	1836.5
37.5°	4778.2	2670.8	1831.1	1766.1	1776.9
40°	4420.7	2399.9	1711.9	1706.5	1728.2
42.5°	4041.4	2167.0	1619.8	1657.7	1690.3
45°	3651.4	1955.7	1527.7	1609.0	1652.3
47.5°	3245.1	1771.5	1446.5	1549.4	1598.2
50°	2833.3	1592.7	1359.8	1479.0	1527.7
52.5°	2464.9	1435.6	1273.1	1397.7	1451.9
55°	2096.6	1283.9	1181.0	1311.0	1354.4
57.5°	1776.9	1143.1	1083.5	1213.5	1246.0
60°	1479.0	1007.6	986.0	1105.2	1143.1
62.5°	1208.1	888.5	893.9	1007.6	1045.6
65°	986.0	774.7	812.6	915.6	948.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	801.8	666.3	731.4	839.7	866.8
70°	633.8	568.8	666.3	763.9	791.0
72.5°	503.8	482.2	601.3	704.3	725.9
75°	384.6	400.9	547.2	644.7	671.8
77.5°	276.3	335.9	493.0	595.9	617.6
80°	195.0	276.3	449.6	552.6	574.3
82.5°	124.6	227.5	406.3	514.7	536.3
85°	65.0	184.2	368.4	476.7	498.4
87.5°	27.1	151.7	330.5	438.8	460.5
90°	0.0	124.6	298.0	406.3	422.6
92.5°	0.0	108.3	270.9	373.8	390.1
95°	0.0	92.1	249.2	341.3	357.6
97.5°	0.0	86.7	222.1	314.2	330.5
100°	0.0	75.8	200.4	287.1	308.8
102.5°	0.0	70.4	184.2	260.0	281.7
105°	0.0	65.0	167.9	238.4	260.0
107.5°	0.0	59.6	157.1	222.1	238.4
110°	0.0	59.6	140.9	205.9	222.1
112.5°	5.4	54.2	130.0	184.2	200.4
115°	5.4	54.2	119.2	173.4	184.2
117.5°	5.4	54.2	113.8	157.1	167.9
120°	5.4	48.8	108.3	146.3	157.1
122.5°	5.4	48.8	102.9	135.4	140.9
125°	5.4	43.3	97.5	124.6	135.4
127.5°	5.4	43.3	92.1	119.2	124.6
130°	5.4	43.3	86.7	108.3	119.2
132.5°	5.4	37.9	81.3	102.9	108.3
135°	5.4	37.9	75.8	97.5	102.9
137.5°	5.4	32.5	70.4	92.1	97.5
140°	5.4	32.5	65.0	86.7	92.1
142.5°	5.4	27.1	59.6	81.3	86.7
145°	5.4	27.1	54.2	75.8	81.3
147.5°	5.4	27.1	48.8	70.4	75.8
150°	5.4	21.7	43.3	65.0	70.4
152.5°	5.4	21.7	37.9	59.6	65.0
155°	5.4	21.7	37.9	54.2	59.6
157.5°	5.4	16.3	32.5	43.3	54.2
160°	5.4	16.3	27.1	37.9	48.8
162.5°	5.4	16.3	27.1	32.5	37.9
165°	5.4	10.8	21.7	27.1	32.5
167.5°	5.4	10.8	16.3	21.7	27.1
170°	5.4	10.8	16.3	16.3	21.7
172.5°	5.4	10.8	10.8	10.8	10.8
175°	10.8	10.8	10.8	10.8	5.4
177.5°	10.8	10.8	10.8	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)