

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: P567267

Luminaire Tested: **8SNX-120SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567267
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-L835-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

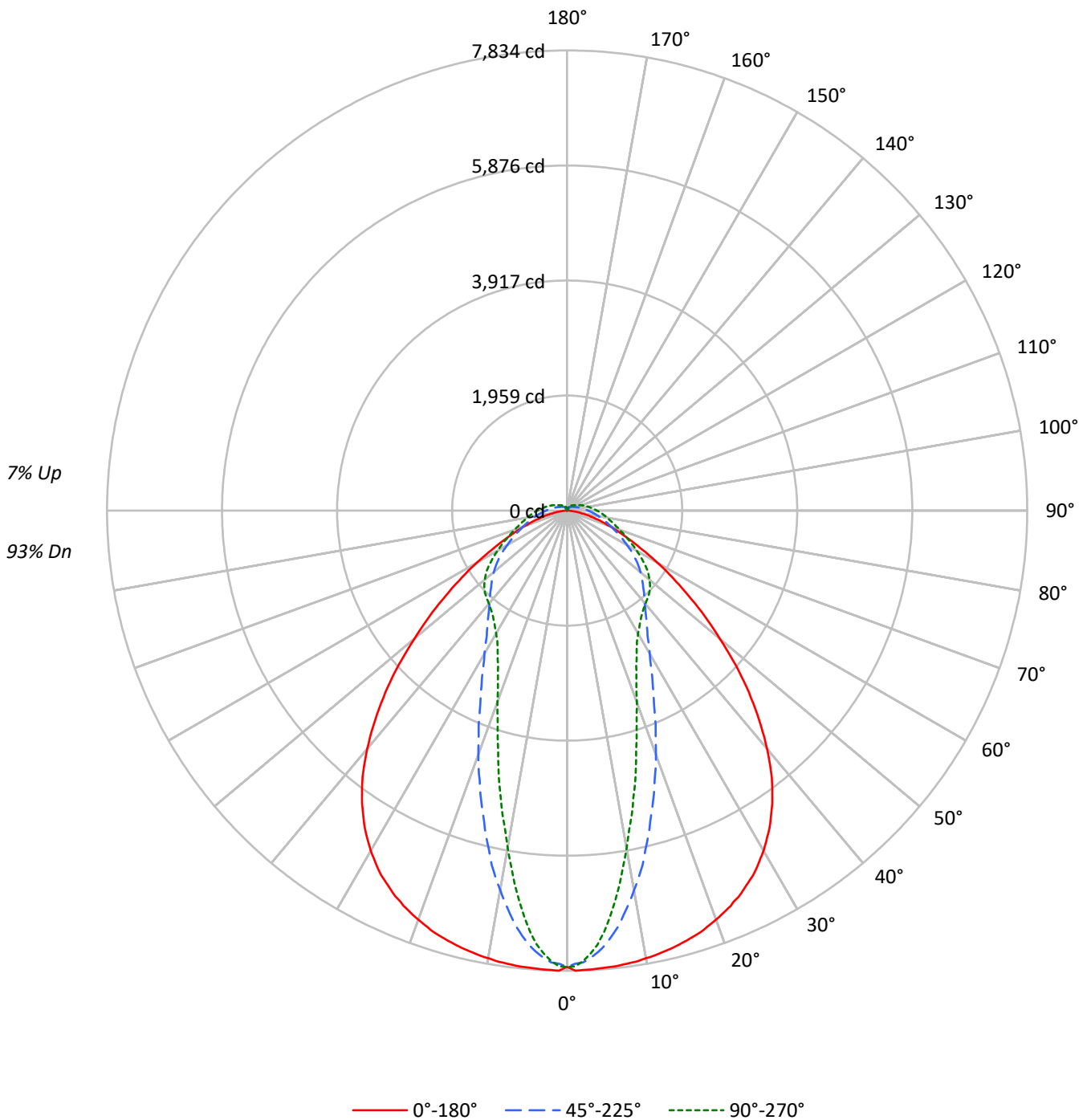
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12384.0 lumens
Efficiency: N/A
Efficacy: 147.4 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	
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°	41812	41812	41812
5°	42105	38477	36776
10°	42125	33028	28533
15°	42183	26972	21385
20°	42131	21509	16004
25°	41835	16872	12701
30°	41050	13669	10834
35°	39423	11580	9855
40°	36569	10234	9328
45°	32615	9374	9040
50°	27732	8637	8540
55°	22887	7836	7799
60°	18407	6902	6841
65°	14399	6070	5953
70°	11303	5378	5266
75°	8891	4843	4798
80°	6475	4444	4460
85°	3885	4156	4277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.0	5.6
10°-20°	1612.6	13.0
20°-30°	1914.2	15.5
30°-40°	1925.9	15.6
40°-50°	1790.2	14.5
50°-60°	1474.1	11.9
60°-70°	1038.7	8.4
70°-80°	678.6	5.5
80°-90°	433.3	3.5
90°-100°	284.1	2.3
100°-110°	192.9	1.6
110°-120°	132.2	1.1
120°-130°	91.5	0.7
130°-140°	61.5	0.5
140°-150°	37.9	0.3
150°-160°	19.7	0.2
160°-170°	7.1	0.1
170°-180°	1.2	0.0
0°-30°	4214.8	34.0
0°-40°	6140.8	49.6
0°-60°	9405.1	75.9
0°-90°	11555.7	93.3
90°-120°	609.3	4.9
90°-150°	800.2	6.5
90°-180°	828.0	6.7
0°-180°	12384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7769	7769	7769	7769	7769	
5°	7808	7704	7425	7282	7204	743
15°	7613	6802	5471	4783	4524	2150
25°	7113	5257	3485	2927	2804	3273
35°	6088	3557	2362	2213	2200	3786
45°	4374	2343	1830	1928	1980	3358
55°	2512	1538	1415	1571	1623	2269
65°	1181	928	974	1097	1136	1198
75°	461	480	656	772	805	498
85°	78	221	441	571	597	98
90°	0	149	357	487	506	4
95°	0	110	299	409	428	0
105°	0	78	201	286	312	0
115°	6	65	143	208	221	6
125°	6	52	117	149	162	6
135°	6	45	91	117	123	5
145°	6	32	65	91	97	4
155°	6	26	45	65	71	3
165°	6	13	26	32	39	2
175°	13	13	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7768.9	7768.9	7768.9	7768.9	7768.9
1°	7833.8	7801.3	7716.9	7775.3	7762.4
2°	7827.3	7794.8	7697.5	7723.4	7678.0
3°	7820.8	7775.3	7626.1	7619.6	7554.7
4°	7814.3	7742.9	7535.2	7457.3	7405.4
5°	7807.8	7704.0	7424.9	7282.1	7204.2
6°	7801.3	7658.5	7282.1	7067.9	6957.6
7°	7788.3	7587.1	7132.8	6840.7	6698.0
8°	7775.3	7522.2	6944.6	6594.1	6418.9
9°	7762.4	7437.9	6756.4	6328.0	6120.3
10°	7736.4	7353.5	6561.7	6055.4	5834.8
11°	7723.4	7256.1	6373.4	5795.8	5536.2
12°	7697.5	7152.3	6172.2	5523.2	5296.1
13°	7671.5	7041.9	5925.6	5289.6	5017.0
14°	7645.5	6925.1	5711.4	5030.0	4776.8
15°	7613.1	6801.8	5471.3	4783.3	4523.7
16°	7580.6	6659.0	5257.1	4530.2	4257.6
17°	7548.2	6522.7	5055.9	4296.6	4049.9
18°	7509.2	6386.4	4822.3	4069.4	3829.3
19°	7457.3	6230.7	4634.1	3861.7	3641.0
20°	7411.9	6087.9	4419.9	3667.0	3472.3
21°	7360.0	5912.6	4205.7	3485.3	3290.6
22.5°	7282.1	5666.0	3933.1	3258.1	3076.4
23°	7243.1	5594.6	3822.8	3173.7	3018.0
24°	7191.2	5406.4	3641.0	3043.9	2888.2
25°	7113.3	5257.1	3485.3	2927.1	2803.8
26°	7041.9	5075.4	3329.5	2823.3	2700.0
27°	6970.6	4900.2	3193.2	2712.9	2609.1
28°	6879.7	4718.4	3043.9	2622.1	2531.2
29°	6782.3	4549.7	2920.6	2544.2	2472.8
30°	6685.0	4361.5	2816.8	2472.8	2414.4
32.5°	6412.4	3946.1	2550.7	2336.5	2297.6
35°	6087.9	3556.7	2362.5	2213.2	2200.2
37.5°	5724.4	3199.7	2193.7	2115.8	2128.8
40°	5296.1	2875.2	2050.9	2044.4	2070.4
42.5°	4841.7	2596.1	1940.6	1986.0	2025.0
45°	4374.4	2343.0	1830.3	1927.6	1979.5
47.5°	3887.7	2122.3	1732.9	1856.2	1914.6
50°	3394.4	1908.1	1629.1	1771.8	1830.3
52.5°	2953.1	1719.9	1525.2	1674.5	1739.4
55°	2511.7	1538.2	1414.9	1570.6	1622.6
57.5°	2128.8	1369.4	1298.1	1453.8	1492.8
60°	1771.8	1207.2	1181.2	1324.0	1369.4
62.5°	1447.3	1064.4	1070.9	1207.2	1252.6
65°	1181.2	928.1	973.5	1096.9	1135.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	960.6	798.3	876.2	1006.0	1038.4
70°	759.4	681.5	798.3	915.1	947.6
72.5°	603.6	577.6	720.4	843.7	869.7
75°	460.8	480.3	655.5	772.3	804.8
77.5°	331.0	402.4	590.6	713.9	739.9
80°	233.6	331.0	538.7	662.0	688.0
82.5°	149.3	272.6	486.8	616.6	642.5
85°	77.9	220.7	441.3	571.1	597.1
87.5°	32.5	181.7	395.9	525.7	551.7
90°	0.0	149.3	357.0	486.8	506.2
92.5°	0.0	129.8	324.5	447.8	467.3
95°	0.0	110.3	298.6	408.9	428.4
97.5°	0.0	103.8	266.1	376.4	395.9
100°	0.0	90.9	240.1	344.0	369.9
102.5°	0.0	84.4	220.7	311.5	337.5
105°	0.0	77.9	201.2	285.6	311.5
107.5°	0.0	71.4	188.2	266.1	285.6
110°	0.0	71.4	168.7	246.6	266.1
112.5°	6.5	64.9	155.8	220.7	240.1
115°	6.5	64.9	142.8	207.7	220.7
117.5°	6.5	64.9	136.3	188.2	201.2
120°	6.5	58.4	129.8	175.2	188.2
122.5°	6.5	58.4	123.3	162.3	168.7
125°	6.5	51.9	116.8	149.3	162.3
127.5°	6.5	51.9	110.3	142.8	149.3
130°	6.5	51.9	103.8	129.8	142.8
132.5°	6.5	45.4	97.4	123.3	129.8
135°	6.5	45.4	90.9	116.8	123.3
137.5°	6.5	38.9	84.4	110.3	116.8
140°	6.5	38.9	77.9	103.8	110.3
142.5°	6.5	32.5	71.4	97.4	103.8
145°	6.5	32.5	64.9	90.9	97.4
147.5°	6.5	32.5	58.4	84.4	90.9
150°	6.5	26.0	51.9	77.9	84.4
152.5°	6.5	26.0	45.4	71.4	77.9
155°	6.5	26.0	45.4	64.9	71.4
157.5°	6.5	19.5	38.9	51.9	64.9
160°	6.5	19.5	32.5	45.4	58.4
162.5°	6.5	19.5	32.5	38.9	45.4
165°	6.5	13.0	26.0	32.5	38.9
167.5°	6.5	13.0	19.5	26.0	32.5
170°	6.5	13.0	19.5	19.5	26.0
172.5°	6.5	13.0	13.0	13.0	13.0
175°	13.0	13.0	13.0	13.0	6.5
177.5°	13.0	13.0	13.0	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)