

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: P567266

Luminaire Tested: **8SNX-120SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567266
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-L830-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

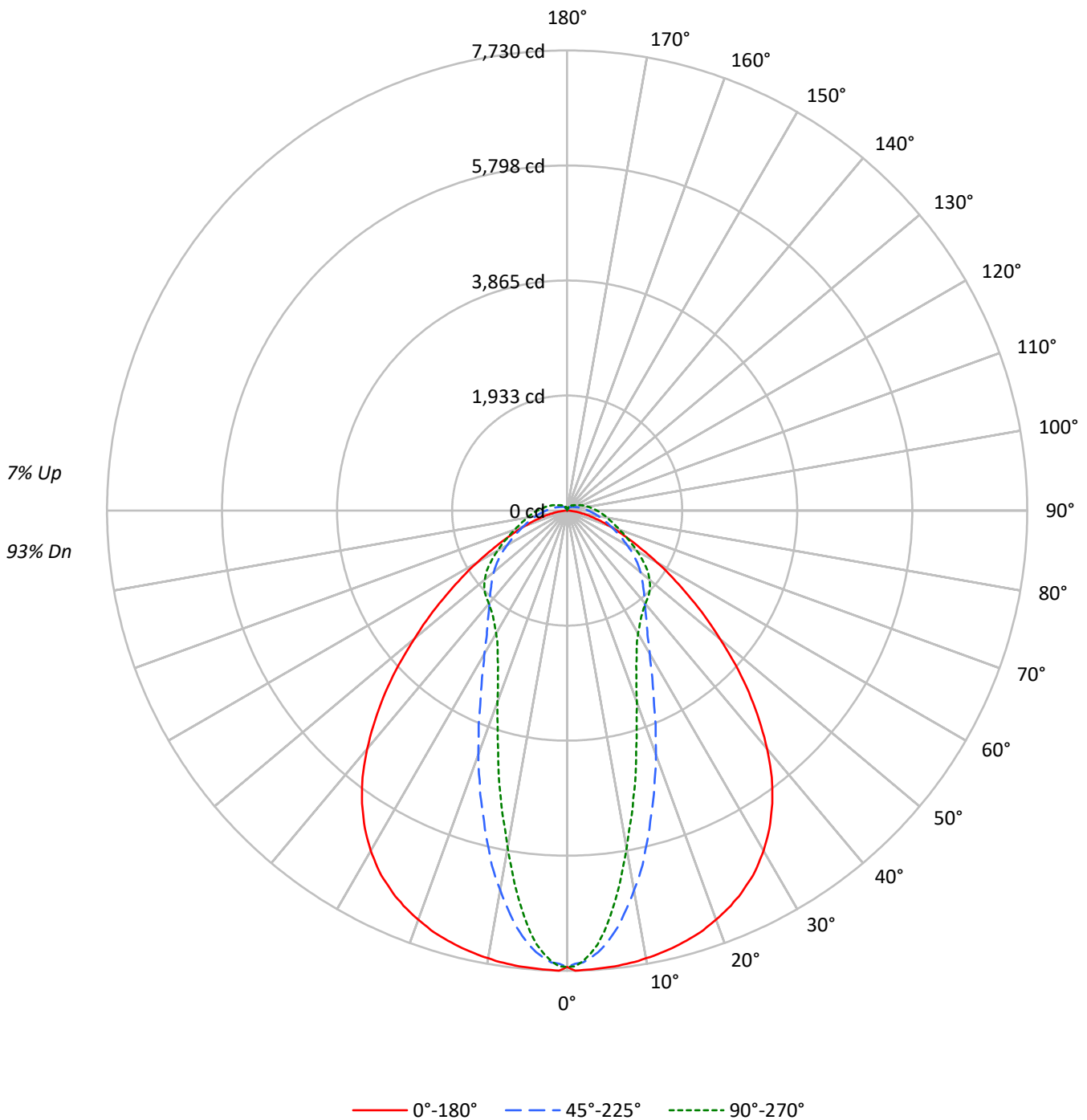
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12220.0 lumens
Efficiency: N/A
Efficacy: 145.5 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	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°	41258	41258	41258
5°	41547	37967	36289
10°	41567	32591	28155
15°	41625	26614	21102
20°	41573	21223	15792
25°	41281	16648	12533
30°	40507	13488	10691
35°	38901	11427	9725
40°	36085	10099	9204
45°	32183	9249	8920
50°	27365	8522	8426
55°	22584	7732	7696
60°	18164	6811	6750
65°	14209	5989	5874
70°	11152	5307	5196
75°	8773	4779	4734
80°	6392	4385	4401
85°	3835	4102	4221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.9	5.6
10°-20°	1591.3	13.0
20°-30°	1888.9	15.5
30°-40°	1900.4	15.6
40°-50°	1766.5	14.5
50°-60°	1454.6	11.9
60°-70°	1025.0	8.4
70°-80°	669.6	5.5
80°-90°	427.5	3.5
90°-100°	280.4	2.3
100°-110°	190.4	1.6
110°-120°	130.4	1.1
120°-130°	90.3	0.7
130°-140°	60.7	0.5
140°-150°	37.4	0.3
150°-160°	19.4	0.2
160°-170°	7.0	0.1
170°-180°	1.2	0.0
0°-30°	4159.0	34.0
0°-40°	6059.4	49.6
0°-60°	9280.6	75.9
0°-90°	11402.7	93.3
90°-120°	601.2	4.9
90°-150°	789.6	6.5
90°-180°	817.0	6.7
0°-180°	12220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7666	7666	7666	7666	7666	
5°	7704	7602	7326	7186	7109	733
15°	7512	6712	5399	4720	4464	2122
25°	7019	5188	3439	2888	2767	3230
35°	6007	3510	2331	2184	2171	3736
45°	4316	2312	1806	1902	1953	3314
55°	2478	1518	1396	1550	1601	2239
65°	1166	916	961	1082	1121	1183
75°	455	474	647	762	794	492
85°	77	218	436	564	589	97
90°	0	147	352	480	500	4
95°	0	109	295	404	423	0
105°	0	77	198	282	307	0
115°	6	64	141	205	218	6
125°	6	51	115	147	160	6
135°	6	45	90	115	122	5
145°	6	32	64	90	96	4
155°	6	26	45	64	70	3
165°	6	13	26	32	38	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°	7666.0	7666.0	7666.0	7666.0	7666.0
1°	7730.0	7698.0	7614.7	7672.4	7659.6
2°	7723.6	7691.6	7595.5	7621.1	7576.3
3°	7717.2	7672.4	7525.1	7518.7	7454.6
4°	7710.8	7640.4	7435.4	7358.6	7307.3
5°	7704.4	7601.9	7326.5	7185.6	7108.8
6°	7698.0	7557.1	7185.6	6974.3	6865.4
7°	7685.2	7486.7	7038.3	6750.2	6609.3
8°	7672.4	7422.6	6852.6	6506.8	6333.9
9°	7659.6	7339.4	6666.9	6244.2	6039.3
10°	7634.0	7256.1	6474.8	5975.2	5757.5
11°	7621.1	7160.0	6289.0	5719.1	5462.9
12°	7595.5	7057.6	6090.5	5450.1	5225.9
13°	7569.9	6948.7	5847.1	5219.5	4950.5
14°	7544.3	6833.4	5635.8	4963.3	4713.6
15°	7512.3	6711.7	5398.8	4720.0	4463.8
16°	7480.2	6570.8	5187.5	4470.2	4201.2
17°	7448.2	6436.3	4989.0	4239.7	3996.3
18°	7409.8	6301.9	4758.4	4015.5	3778.5
19°	7358.6	6148.1	4572.7	3810.6	3592.8
20°	7313.7	6007.3	4361.3	3618.4	3426.3
21°	7262.5	5834.3	4150.0	3439.1	3247.0
22.5°	7185.6	5591.0	3881.0	3215.0	3035.6
23°	7147.2	5520.5	3772.1	3131.7	2978.0
24°	7096.0	5334.8	3592.8	3003.6	2849.9
25°	7019.1	5187.5	3439.1	2888.3	2766.7
26°	6948.7	5008.2	3285.4	2785.9	2664.2
27°	6878.2	4835.3	3150.9	2677.0	2574.5
28°	6788.6	4655.9	3003.6	2587.3	2497.7
29°	6692.5	4489.4	2881.9	2510.5	2440.0
30°	6596.5	4303.7	2779.5	2440.0	2382.4
32.5°	6327.5	3893.8	2516.9	2305.6	2267.1
35°	6007.3	3509.6	2331.2	2183.9	2171.1
37.5°	5648.6	3157.3	2164.7	2087.8	2100.6
40°	5225.9	2837.1	2023.8	2017.4	2043.0
42.5°	4777.6	2561.7	1914.9	1959.7	1998.1
45°	4316.5	2312.0	1806.0	1902.1	1953.3
47.5°	3836.2	2094.2	1710.0	1831.6	1889.3
50°	3349.5	1882.9	1607.5	1748.4	1806.0
52.5°	2914.0	1697.1	1505.0	1652.3	1716.4
55°	2478.5	1517.8	1396.1	1549.8	1601.1
57.5°	2100.6	1351.3	1280.9	1434.6	1473.0
60°	1748.4	1191.2	1165.6	1306.5	1351.3
62.5°	1428.2	1050.3	1056.7	1191.2	1236.0
65°	1165.6	915.8	960.6	1082.3	1120.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	947.8	787.7	864.6	992.7	1024.7
70°	749.3	672.5	787.7	903.0	935.0
72.5°	595.6	570.0	710.9	832.6	858.2
75°	454.7	473.9	646.8	762.1	794.1
77.5°	326.6	397.1	582.8	704.5	730.1
80°	230.6	326.6	531.6	653.2	678.9
82.5°	147.3	269.0	480.3	608.4	634.0
85°	76.9	217.7	435.5	563.6	589.2
87.5°	32.0	179.3	390.7	518.7	544.4
90°	0.0	147.3	352.2	480.3	499.5
92.5°	0.0	128.1	320.2	441.9	461.1
95°	0.0	108.9	294.6	403.5	422.7
97.5°	0.0	102.5	262.6	371.5	390.7
100°	0.0	89.7	237.0	339.4	365.0
102.5°	0.0	83.3	217.7	307.4	333.0
105°	0.0	76.9	198.5	281.8	307.4
107.5°	0.0	70.4	185.7	262.6	281.8
110°	0.0	70.4	166.5	243.4	262.6
112.5°	6.4	64.0	153.7	217.7	237.0
115°	6.4	64.0	140.9	204.9	217.7
117.5°	6.4	64.0	134.5	185.7	198.5
120°	6.4	57.6	128.1	172.9	185.7
122.5°	6.4	57.6	121.7	160.1	166.5
125°	6.4	51.2	115.3	147.3	160.1
127.5°	6.4	51.2	108.9	140.9	147.3
130°	6.4	51.2	102.5	128.1	140.9
132.5°	6.4	44.8	96.1	121.7	128.1
135°	6.4	44.8	89.7	115.3	121.7
137.5°	6.4	38.4	83.3	108.9	115.3
140°	6.4	38.4	76.9	102.5	108.9
142.5°	6.4	32.0	70.4	96.1	102.5
145°	6.4	32.0	64.0	89.7	96.1
147.5°	6.4	32.0	57.6	83.3	89.7
150°	6.4	25.6	51.2	76.9	83.3
152.5°	6.4	25.6	44.8	70.4	76.9
155°	6.4	25.6	44.8	64.0	70.4
157.5°	6.4	19.2	38.4	51.2	64.0
160°	6.4	19.2	32.0	44.8	57.6
162.5°	6.4	19.2	32.0	38.4	44.8
165°	6.4	12.8	25.6	32.0	38.4
167.5°	6.4	12.8	19.2	25.6	32.0
170°	6.4	12.8	19.2	19.2	25.6
172.5°	6.4	12.8	12.8	12.8	12.8
175°	12.8	12.8	12.8	12.8	6.4
177.5°	12.8	12.8	12.8	6.4	6.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)