

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: P567986

Luminaire Tested: **8SNX-74SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567986
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-74SL-LN-UNV-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

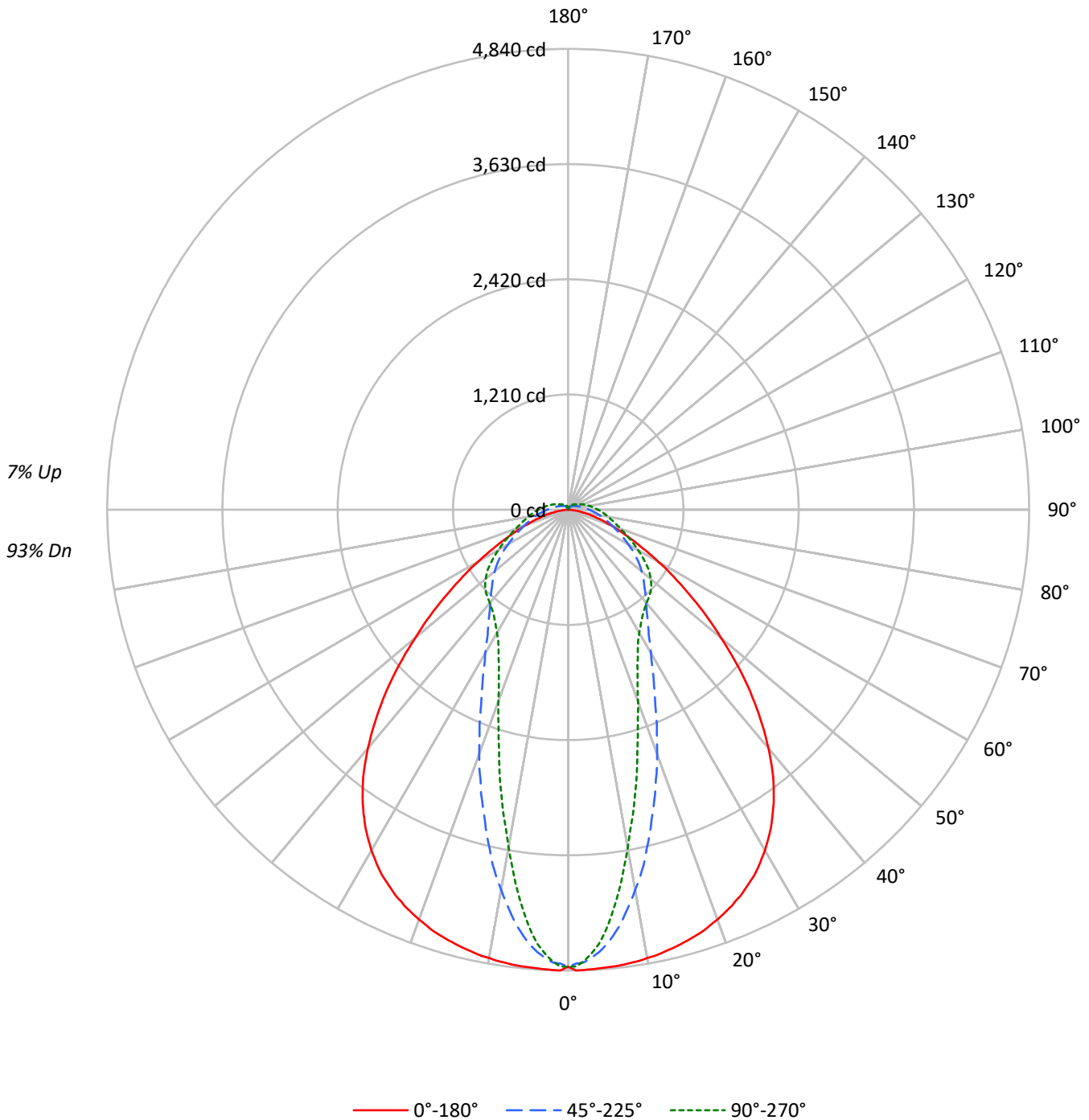
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7652.0 lumens
Efficiency: N/A
Efficacy: 159.4 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): 48
Input Voltage (V): NR
Input Current (A_{in}): 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°	25835	25835	25835
5°	26016	23774	22723
10°	26029	20408	17630
15°	26065	16666	13214
20°	26033	13290	9889
25°	25850	10425	7848
30°	25365	8446	6694
35°	24360	7155	6089
40°	22596	6324	5764
45°	20153	5792	5586
50°	17136	5336	5277
55°	14142	4841	4819
60°	11374	4265	4227
65°	8898	3750	3678
70°	6983	3323	3254
75°	5493	2992	2965
80°	4003	2746	2756
85°	2399	2568	2643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.1	5.6
10°-20°	996.4	13.0
20°-30°	1182.8	15.5
30°-40°	1190.0	15.6
40°-50°	1106.2	14.5
50°-60°	910.9	11.9
60°-70°	641.8	8.4
70°-80°	419.3	5.5
80°-90°	267.7	3.5
90°-100°	175.6	2.3
100°-110°	119.2	1.6
110°-120°	81.7	1.1
120°-130°	56.5	0.7
130°-140°	38.0	0.5
140°-150°	23.4	0.3
150°-160°	12.2	0.2
160°-170°	4.4	0.1
170°-180°	0.8	0.0
0°-30°	2604.3	34.0
0°-40°	3794.3	49.6
0°-60°	5811.4	75.9
0°-90°	7140.2	93.3
90°-120°	376.5	4.9
90°-150°	494.5	6.5
90°-180°	512.0	6.7
0°-180°	7652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4800	4800	4800	4800	4800	
5°	4824	4760	4588	4500	4451	459
15°	4704	4203	3381	2956	2795	1328
25°	4395	3248	2154	1809	1732	2023
35°	3762	2198	1460	1368	1360	2339
45°	2703	1448	1131	1191	1223	2075
55°	1552	950	874	970	1003	1402
65°	730	574	602	678	702	740
75°	285	297	405	477	497	308
85°	48	136	273	353	369	60
90°	0	92	221	301	313	3
95°	0	68	184	253	265	0
105°	0	48	124	176	192	0
115°	4	40	88	128	136	3
125°	4	32	72	92	100	4
135°	4	28	56	72	76	3
145°	4	20	40	56	60	3
155°	4	16	28	40	44	2
165°	4	8	16	20	24	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-74SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4800.3	4800.3	4800.3	4800.3	4800.3
1°	4840.4	4820.4	4768.2	4804.3	4796.3
2°	4836.4	4816.4	4756.2	4772.3	4744.2
3°	4832.4	4804.3	4712.1	4708.1	4668.0
4°	4828.4	4784.3	4656.0	4607.8	4575.8
5°	4824.4	4760.2	4587.8	4499.6	4451.4
6°	4820.4	4732.2	4499.6	4367.2	4299.0
7°	4812.4	4688.0	4407.3	4226.9	4138.6
8°	4804.3	4647.9	4291.0	4074.5	3966.2
9°	4796.3	4595.8	4174.7	3910.0	3781.7
10°	4780.3	4543.7	4054.4	3741.6	3605.3
11°	4772.3	4483.5	3938.1	3581.2	3420.8
12°	4756.2	4419.4	3813.8	3412.8	3272.4
13°	4740.2	4351.2	3661.4	3268.4	3100.0
14°	4724.1	4279.0	3529.1	3108.0	2951.6
15°	4704.1	4202.8	3380.7	2955.6	2795.2
16°	4684.0	4114.6	3248.3	2799.2	2630.8
17°	4664.0	4030.4	3124.0	2654.8	2502.4
18°	4639.9	3946.1	2979.7	2514.5	2366.1
19°	4607.8	3849.9	2863.4	2386.1	2249.8
20°	4579.8	3761.7	2731.0	2265.8	2145.5
21°	4547.7	3653.4	2598.7	2153.5	2033.2
22.5°	4499.6	3501.0	2430.2	2013.2	1900.9
23°	4475.5	3456.9	2362.1	1961.0	1864.8
24°	4443.4	3340.6	2249.8	1880.8	1784.6
25°	4395.3	3248.3	2153.5	1808.6	1732.4
26°	4351.2	3136.1	2057.3	1744.5	1668.3
27°	4307.1	3027.8	1973.1	1676.3	1612.1
28°	4250.9	2915.5	1880.8	1620.2	1564.0
29°	4190.8	2811.2	1804.6	1572.0	1527.9
30°	4130.6	2694.9	1740.5	1527.9	1491.8
32.5°	3962.2	2438.3	1576.0	1443.7	1419.6
35°	3761.7	2197.6	1459.7	1367.5	1359.5
37.5°	3537.1	1977.1	1355.5	1307.4	1315.4
40°	3272.4	1776.6	1267.3	1263.2	1279.3
42.5°	2991.7	1604.1	1199.1	1227.2	1251.2
45°	2702.9	1447.7	1130.9	1191.1	1223.1
47.5°	2402.2	1311.4	1070.8	1146.9	1183.0
50°	2097.4	1179.0	1006.6	1094.8	1130.9
52.5°	1824.7	1062.7	942.4	1034.7	1074.8
55°	1552.0	950.4	874.2	970.5	1002.6
57.5°	1315.4	846.2	802.1	898.3	922.4
60°	1094.8	745.9	729.9	818.1	846.2
62.5°	894.3	657.7	661.7	745.9	774.0
65°	729.9	573.5	601.5	677.7	701.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	593.5	493.3	541.4	621.6	641.6
70°	469.2	421.1	493.3	565.5	585.5
72.5°	373.0	356.9	445.1	521.3	537.4
75°	284.7	296.8	405.0	477.2	497.3
77.5°	204.5	248.6	364.9	441.1	457.2
80°	144.4	204.5	332.9	409.1	425.1
82.5°	92.2	168.4	300.8	381.0	397.0
85°	48.1	136.4	272.7	352.9	368.9
87.5°	20.1	112.3	244.6	324.8	340.9
90°	0.0	92.2	220.6	300.8	312.8
92.5°	0.0	80.2	200.5	276.7	288.7
95°	0.0	68.2	184.5	252.6	264.7
97.5°	0.0	64.2	164.4	232.6	244.6
100°	0.0	56.1	148.4	212.5	228.6
102.5°	0.0	52.1	136.4	192.5	208.5
105°	0.0	48.1	124.3	176.5	192.5
107.5°	0.0	44.1	116.3	164.4	176.5
110°	0.0	44.1	104.3	152.4	164.4
112.5°	4.0	40.1	96.2	136.4	148.4
115°	4.0	40.1	88.2	128.3	136.4
117.5°	4.0	40.1	84.2	116.3	124.3
120°	4.0	36.1	80.2	108.3	116.3
122.5°	4.0	36.1	76.2	100.3	104.3
125°	4.0	32.1	72.2	92.2	100.3
127.5°	4.0	32.1	68.2	88.2	92.2
130°	4.0	32.1	64.2	80.2	88.2
132.5°	4.0	28.1	60.2	76.2	80.2
135°	4.0	28.1	56.1	72.2	76.2
137.5°	4.0	24.1	52.1	68.2	72.2
140°	4.0	24.1	48.1	64.2	68.2
142.5°	4.0	20.1	44.1	60.2	64.2
145°	4.0	20.1	40.1	56.1	60.2
147.5°	4.0	20.1	36.1	52.1	56.1
150°	4.0	16.0	32.1	48.1	52.1
152.5°	4.0	16.0	28.1	44.1	48.1
155°	4.0	16.0	28.1	40.1	44.1
157.5°	4.0	12.0	24.1	32.1	40.1
160°	4.0	12.0	20.1	28.1	36.1
162.5°	4.0	12.0	20.1	24.1	28.1
165°	4.0	8.0	16.0	20.1	24.1
167.5°	4.0	8.0	12.0	16.0	20.1
170°	4.0	8.0	12.0	12.0	16.0
172.5°	4.0	8.0	8.0	8.0	8.0
175°	8.0	8.0	8.0	8.0	4.0
177.5°	8.0	8.0	8.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)