

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: P567978

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LC-UNV-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

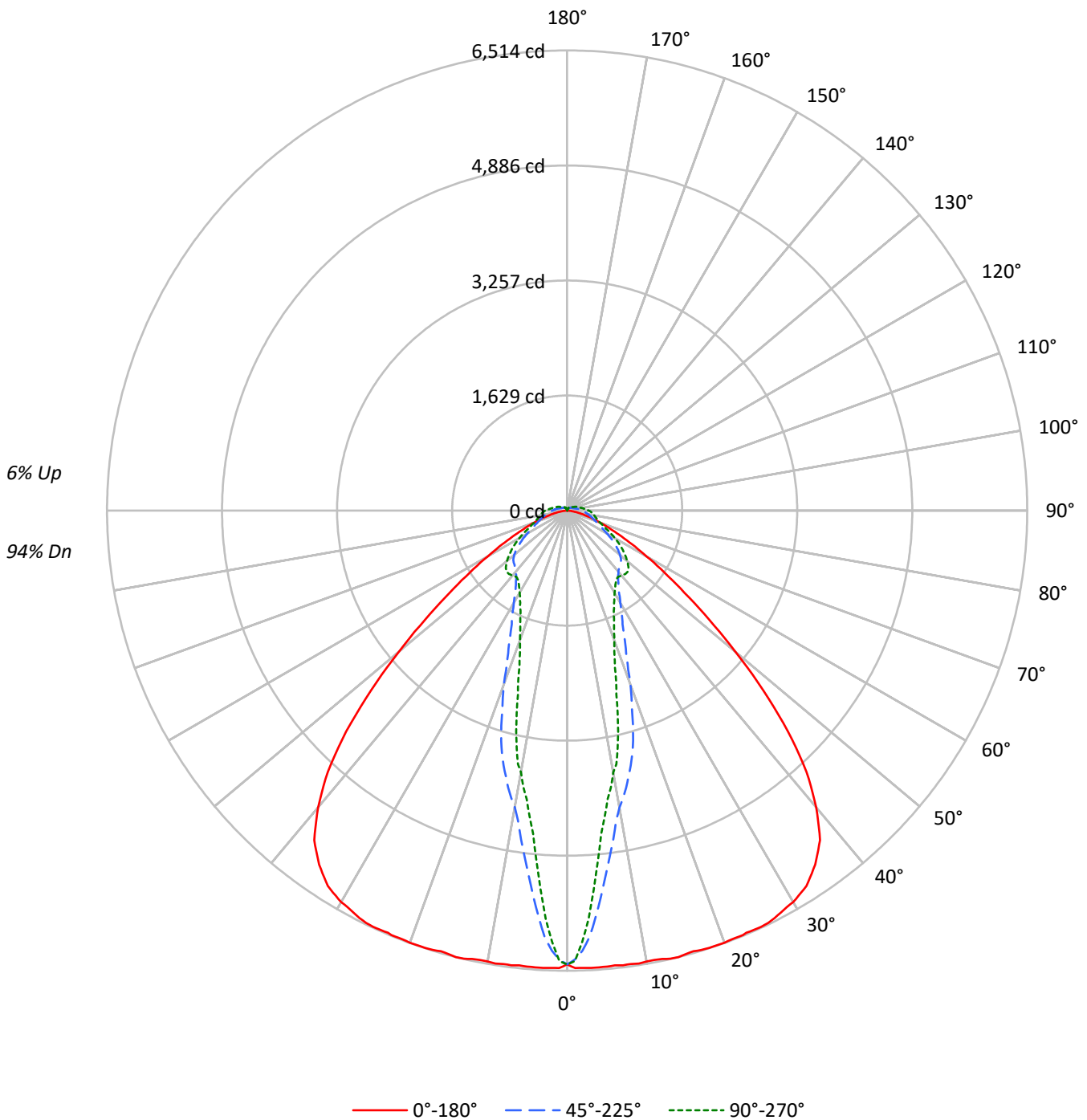
Lumens per Lamp: N/A
Luminaire Lumens: 7919.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34575	34575	34575
5°	34951	28433	25419
10°	35289	21490	18397
15°	36001	17585	12739
20°	37002	12738	8997
25°	38236	9135	7078
30°	39300	7306	6028
35°	39631	6186	5399
40°	37886	5630	5412
45°	32981	5446	5560
50°	25398	5185	5188
55°	18489	4540	4604
60°	13492	3794	3892
65°	9895	3213	3190
70°	7369	2844	2751
75°	5325	2639	2565
80°	3601	2477	2526
85°	1820	2370	2529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.2	6.4
10°-20°	1097.1	13.9
20°-30°	1255.8	15.9
30°-40°	1258.0	15.9
40°-50°	1190.9	15.0
50°-60°	913.3	11.5
60°-70°	588.7	7.4
70°-80°	375.4	4.7
80°-90°	249.3	3.1
90°-100°	167.6	2.1
100°-110°	110.4	1.4
110°-120°	76.8	1.0
120°-130°	53.6	0.7
130°-140°	37.2	0.5
140°-150°	22.8	0.3
150°-160°	11.5	0.1
160°-170°	4.4	0.1
170°-180°	0.9	0.0
0°-30°	2858.1	36.1
0°-40°	4116.2	52.0
0°-60°	6220.4	78.6
0°-90°	7433.8	93.9
90°-120°	354.8	4.5
90°-150°	468.3	5.9
90°-180°	485.0	6.1
0°-180°	7919.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6424	6424	6424	6424	6424	
5°	6481	6124	5487	5118	4980	619
15°	6497	4679	3567	2930	2695	1843
25°	6501	3312	1887	1640	1562	2997
35°	6120	1842	1262	1222	1205	3797
45°	4424	1165	1063	1177	1218	3363
55°	2029	832	820	921	958	1866
65°	812	524	515	588	609	835
75°	276	284	357	410	430	303
85°	36	130	252	329	353	50
90°	0	89	211	292	304	2
95°	0	65	174	239	252	0
105°	0	49	114	162	174	3
115°	4	41	85	118	126	4
125°	4	36	73	85	89	4
135°	4	28	57	69	73	3
145°	4	20	41	53	57	3
155°	4	12	24	36	41	2
165°	8	8	16	20	24	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6424.3	6424.3	6424.3	6424.3	6424.3
1°	6477.0	6440.5	6355.3	6379.6	6375.6
2°	6477.0	6399.9	6233.5	6184.8	6111.8
3°	6481.1	6330.9	6046.9	5888.6	5787.1
4°	6481.1	6229.5	5770.9	5507.1	5377.2
5°	6481.1	6124.0	5486.8	5117.5	4979.5
6°	6473.0	5998.2	5198.7	4809.1	4602.1
7°	6485.2	5860.2	4938.9	4520.9	4358.6
8°	6481.1	5697.8	4699.5	4301.8	4123.2
9°	6493.3	5539.6	4439.8	4094.8	3960.9
10°	6481.1	5393.5	4269.3	3900.0	3762.0
11°	6481.1	5251.4	4147.6	3774.2	3656.5
12°	6489.2	5089.1	4013.7	3595.6	3433.3
13°	6509.5	4922.7	3859.4	3400.8	3210.1
14°	6513.6	4796.9	3717.4	3153.3	2954.4
15°	6497.3	4679.2	3567.2	2930.1	2694.7
16°	6489.2	4557.5	3388.7	2719.1	2508.0
17°	6505.4	4415.4	3185.8	2504.0	2309.2
18°	6509.5	4285.6	2970.7	2341.6	2171.2
19°	6509.5	4184.1	2796.2	2191.5	2045.4
20°	6509.5	4086.7	2617.6	2077.8	1952.0
21°	6501.4	3965.0	2414.7	1960.2	1854.6
22.5°	6505.4	3737.7	2183.4	1822.2	1736.9
23°	6493.3	3680.9	2126.5	1785.6	1696.4
24°	6497.3	3518.5	2004.8	1712.6	1627.4
25°	6501.4	3311.6	1887.1	1639.6	1562.4
26°	6493.3	3145.2	1789.7	1570.6	1517.8
27°	6473.0	3011.3	1720.7	1513.7	1465.0
28°	6444.6	2832.7	1647.7	1465.0	1420.4
29°	6416.2	2629.8	1574.6	1412.3	1379.8
30°	6399.9	2467.4	1505.6	1371.7	1343.3
32.5°	6302.5	2146.8	1363.6	1290.5	1266.2
35°	6119.9	1842.5	1262.1	1221.5	1205.3
37.5°	5880.5	1607.1	1185.0	1176.9	1181.0
40°	5486.8	1420.4	1128.2	1164.7	1201.3
42.5°	5016.0	1274.3	1087.6	1176.9	1217.5
45°	4423.5	1164.7	1063.3	1176.9	1217.5
47.5°	3766.1	1075.4	1034.9	1136.3	1176.9
50°	3108.7	994.3	978.0	1075.4	1112.0
52.5°	2528.3	917.2	905.0	998.3	1034.9
55°	2029.1	831.9	819.8	921.2	957.8
57.5°	1627.4	750.8	738.6	831.9	868.5
60°	1298.7	669.6	649.3	742.7	779.2
62.5°	1034.9	592.5	580.3	661.5	694.0
65°	811.7	523.5	515.4	588.5	608.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	641.2	458.6	462.6	523.5	547.9
70°	495.1	397.7	422.1	478.9	495.1
72.5°	373.4	336.8	389.6	438.3	458.6
75°	276.0	284.1	357.1	409.9	430.2
77.5°	190.7	235.4	328.7	385.5	405.8
80°	129.9	190.7	300.3	365.2	389.6
82.5°	77.1	158.3	276.0	345.0	373.4
85°	36.5	129.9	251.6	328.7	353.1
87.5°	12.2	105.5	227.3	312.5	332.8
90°	0.0	89.3	211.0	292.2	304.4
92.5°	0.0	77.1	190.7	267.8	276.0
95°	0.0	64.9	174.5	239.4	251.6
97.5°	0.0	60.9	162.3	215.1	231.3
100°	0.0	56.8	146.1	194.8	211.0
102.5°	0.0	48.7	129.9	174.5	190.7
105°	0.0	48.7	113.6	162.3	174.5
107.5°	4.1	44.6	105.5	146.1	162.3
110°	4.1	44.6	93.3	138.0	150.2
112.5°	4.1	44.6	89.3	125.8	142.0
115°	4.1	40.6	85.2	117.7	125.8
117.5°	4.1	40.6	81.2	105.5	113.6
120°	4.1	36.5	77.1	97.4	101.5
122.5°	4.1	36.5	73.0	89.3	93.3
125°	4.1	36.5	73.0	85.2	89.3
127.5°	4.1	32.5	69.0	81.2	81.2
130°	4.1	32.5	64.9	77.1	77.1
132.5°	4.1	28.4	60.9	73.0	77.1
135°	4.1	28.4	56.8	69.0	73.0
137.5°	4.1	24.3	52.8	64.9	69.0
140°	4.1	24.3	48.7	60.9	64.9
142.5°	4.1	20.3	44.6	56.8	60.9
145°	4.1	20.3	40.6	52.8	56.8
147.5°	4.1	20.3	36.5	48.7	52.8
150°	4.1	16.2	32.5	44.6	48.7
152.5°	4.1	16.2	28.4	40.6	44.6
155°	4.1	12.2	24.3	36.5	40.6
157.5°	4.1	12.2	24.3	32.5	36.5
160°	8.1	12.2	20.3	28.4	32.5
162.5°	4.1	8.1	20.3	24.3	28.4
165°	8.1	8.1	16.2	20.3	24.3
167.5°	8.1	8.1	12.2	16.2	20.3
170°	8.1	8.1	12.2	12.2	16.2
172.5°	8.1	8.1	8.1	12.2	8.1
175°	8.1	8.1	8.1	8.1	4.1
177.5°	8.1	8.1	8.1	8.1	4.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.1	8.1	8.1	8.1	8.1

(END OF REPORT)