

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: P567746

Luminaire Tested: **8SNX-40SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567746
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-40SL-LN-UNV-L830-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

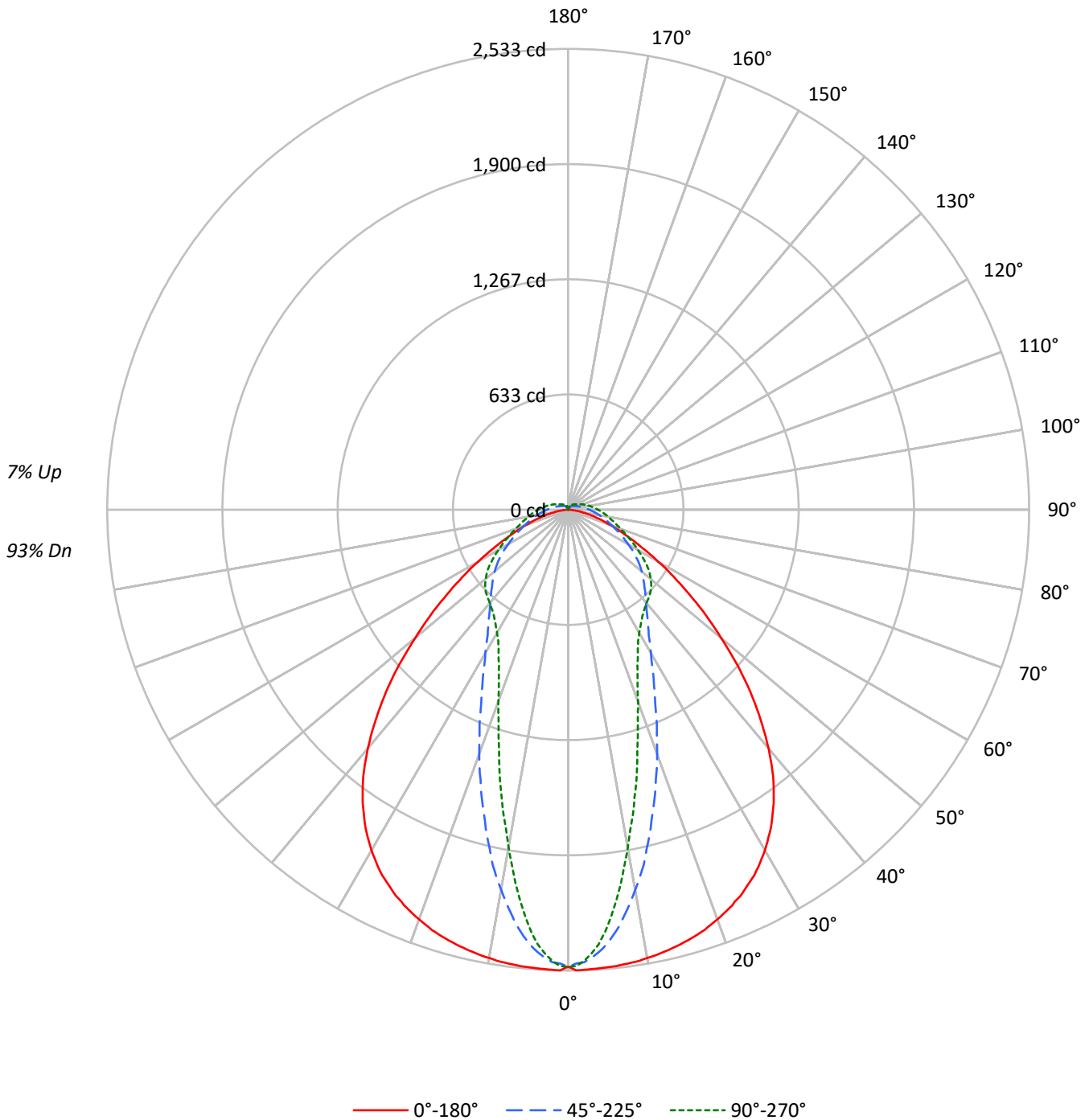
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4004.1 lumens
Efficiency: N/A
Efficacy: 165.5 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): 24.2
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°	13518	13518	13518
5°	13613	12440	11891
10°	13620	10679	9225
15°	13639	8721	6914
20°	13622	6954	5175
25°	13526	5455	4106
30°	13272	4419	3503
35°	12746	3744	3187
40°	11823	3309	3016
45°	10545	3031	2923
50°	8967	2792	2761
55°	7400	2534	2522
60°	5952	2232	2212
65°	4655	1963	1925
70°	3654	1739	1703
75°	2875	1566	1551
80°	2093	1437	1442
85°	1257	1344	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	5.6
10°-20°	521.4	13.0
20°-30°	618.9	15.5
30°-40°	622.7	15.6
40°-50°	578.8	14.5
50°-60°	476.6	11.9
60°-70°	335.8	8.4
70°-80°	219.4	5.5
80°-90°	140.1	3.5
90°-100°	91.9	2.3
100°-110°	62.4	1.6
110°-120°	42.8	1.1
120°-130°	29.6	0.7
130°-140°	19.9	0.5
140°-150°	12.3	0.3
150°-160°	6.4	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1362.7	34.0
0°-40°	1985.4	49.6
0°-60°	3040.9	75.9
0°-90°	3736.2	93.3
90°-120°	197.0	4.9
90°-150°	258.8	6.5
90°-180°	268.0	6.7
0°-180°	4004.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2512	2512	2512	2512	2512	
5°	2524	2491	2401	2354	2329	240
15°	2462	2199	1769	1546	1463	695
25°	2300	1700	1127	946	906	1058
35°	1968	1150	764	716	711	1224
45°	1414	758	592	623	640	1086
55°	812	497	458	508	525	733
65°	382	300	315	355	367	387
75°	149	155	212	250	260	161
85°	25	71	143	185	193	32
90°	0	48	115	157	164	1
95°	0	36	96	132	138	0
105°	0	25	65	92	101	0
115°	2	21	46	67	71	2
125°	2	17	38	48	52	2
135°	2	15	29	38	40	2
145°	2	10	21	29	32	1
155°	2	8	15	21	23	1
165°	2	4	8	10	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2511.8	2511.8	2511.8	2511.8	2511.8
1°	2532.8	2522.3	2495.0	2513.9	2509.7
2°	2530.7	2520.2	2488.7	2497.1	2482.5
3°	2528.6	2513.9	2465.7	2463.6	2442.6
4°	2526.5	2503.4	2436.3	2411.1	2394.3
5°	2524.4	2490.8	2400.6	2354.4	2329.3
6°	2522.3	2476.2	2354.4	2285.2	2249.5
7°	2518.1	2453.1	2306.2	2211.8	2165.6
8°	2513.9	2432.1	2245.3	2132.0	2075.4
9°	2509.7	2404.8	2184.5	2046.0	1978.8
10°	2501.3	2377.5	2121.5	1957.8	1886.5
11°	2497.1	2346.1	2060.7	1873.9	1790.0
12°	2488.7	2312.5	1995.6	1785.8	1712.3
13°	2480.4	2276.8	1915.9	1710.2	1622.1
14°	2472.0	2239.0	1846.6	1626.3	1544.4
15°	2461.5	2199.2	1769.0	1546.5	1462.6
16°	2451.0	2153.0	1699.7	1464.7	1376.6
17°	2440.5	2108.9	1634.7	1389.2	1309.4
18°	2427.9	2064.9	1559.1	1315.7	1238.1
19°	2411.1	2014.5	1498.3	1248.6	1177.2
20°	2396.4	1968.3	1429.0	1185.6	1122.7
21°	2379.6	1911.7	1359.8	1126.9	1063.9
22.5°	2354.4	1831.9	1271.7	1053.4	994.7
23°	2341.9	1808.9	1236.0	1026.1	975.8
24°	2325.1	1748.0	1177.2	984.2	933.8
25°	2299.9	1699.7	1126.9	946.4	906.5
26°	2276.8	1641.0	1076.5	912.8	872.9
27°	2253.7	1584.3	1032.4	877.1	843.6
28°	2224.3	1525.6	984.2	847.8	818.4
29°	2192.9	1471.0	944.3	822.6	799.5
30°	2161.4	1410.1	910.7	799.5	780.6
32.5°	2073.3	1275.8	824.7	755.4	742.8
35°	1968.3	1149.9	763.8	715.6	711.4
37.5°	1850.8	1034.5	709.3	684.1	688.3
40°	1712.3	929.6	663.1	661.0	669.4
42.5°	1565.4	839.4	627.4	642.1	654.7
45°	1414.3	757.5	591.8	623.2	640.0
47.5°	1257.0	686.2	560.3	600.2	619.0
50°	1097.5	616.9	526.7	572.9	591.8
52.5°	954.8	556.1	493.1	541.4	562.4
55°	812.1	497.3	457.5	507.8	524.6
57.5°	688.3	442.8	419.7	470.0	482.6
60°	572.9	390.3	381.9	428.1	442.8
62.5°	468.0	344.1	346.2	390.3	405.0
65°	381.9	300.1	314.8	354.6	367.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	310.6	258.1	283.3	325.3	335.7
70°	245.5	220.3	258.1	295.9	306.4
72.5°	195.2	186.8	232.9	272.8	281.2
75°	149.0	155.3	211.9	249.7	260.2
77.5°	107.0	130.1	191.0	230.8	239.2
80°	75.5	107.0	174.2	214.0	222.4
82.5°	48.3	88.1	157.4	199.4	207.7
85°	25.2	71.3	142.7	184.7	193.1
87.5°	10.5	58.8	128.0	170.0	178.4
90°	0.0	48.3	115.4	157.4	163.7
92.5°	0.0	42.0	104.9	144.8	151.1
95°	0.0	35.7	96.5	132.2	138.5
97.5°	0.0	33.6	86.0	121.7	128.0
100°	0.0	29.4	77.6	111.2	119.6
102.5°	0.0	27.3	71.3	100.7	109.1
105°	0.0	25.2	65.1	92.3	100.7
107.5°	0.0	23.1	60.9	86.0	92.3
110°	0.0	23.1	54.6	79.7	86.0
112.5°	2.1	21.0	50.4	71.3	77.6
115°	2.1	21.0	46.2	67.1	71.3
117.5°	2.1	21.0	44.1	60.9	65.1
120°	2.1	18.9	42.0	56.7	60.9
122.5°	2.1	18.9	39.9	52.5	54.6
125°	2.1	16.8	37.8	48.3	52.5
127.5°	2.1	16.8	35.7	46.2	48.3
130°	2.1	16.8	33.6	42.0	46.2
132.5°	2.1	14.7	31.5	39.9	42.0
135°	2.1	14.7	29.4	37.8	39.9
137.5°	2.1	12.6	27.3	35.7	37.8
140°	2.1	12.6	25.2	33.6	35.7
142.5°	2.1	10.5	23.1	31.5	33.6
145°	2.1	10.5	21.0	29.4	31.5
147.5°	2.1	10.5	18.9	27.3	29.4
150°	2.1	8.4	16.8	25.2	27.3
152.5°	2.1	8.4	14.7	23.1	25.2
155°	2.1	8.4	14.7	21.0	23.1
157.5°	2.1	6.3	12.6	16.8	21.0
160°	2.1	6.3	10.5	14.7	18.9
162.5°	2.1	6.3	10.5	12.6	14.7
165°	2.1	4.2	8.4	10.5	12.6
167.5°	2.1	4.2	6.3	8.4	10.5
170°	2.1	4.2	6.3	6.3	8.4
172.5°	2.1	4.2	4.2	4.2	4.2
175°	4.2	4.2	4.2	4.2	2.1
177.5°	4.2	4.2	4.2	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)