

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: P567750

Luminaire Tested: **8SNX-40SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567750
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-L930-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

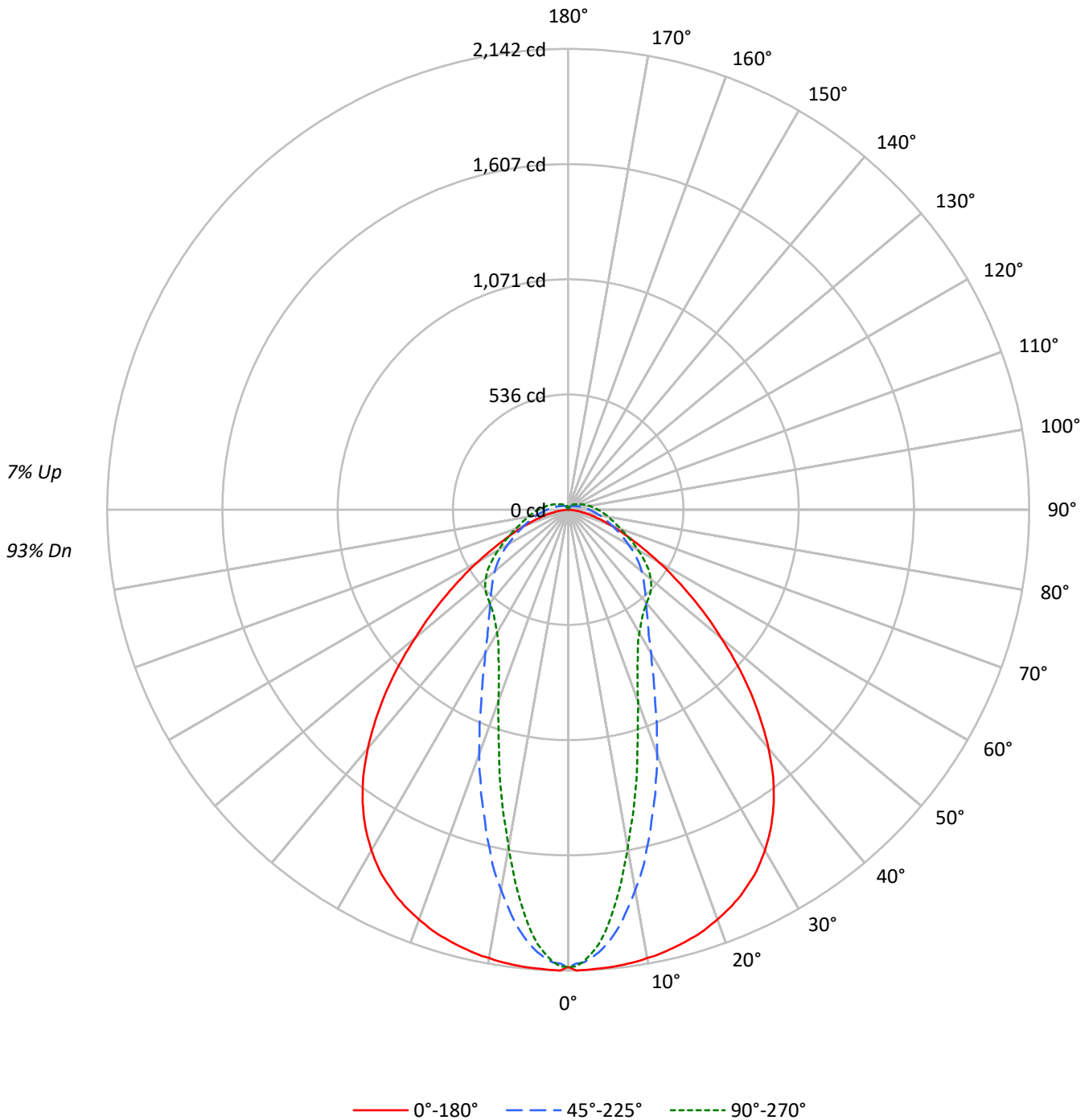
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3387.1 lumens
Efficiency: N/A
Efficacy: 140.0 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 (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	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°	11436	11436	11436
5°	11516	10523	10058
10°	11521	9033	7804
15°	11537	7377	5849
20°	11523	5882	4377
25°	11442	4614	3474
30°	11227	3738	2963
35°	10782	3167	2696
40°	10002	2799	2551
45°	8920	2564	2472
50°	7585	2362	2336
55°	6260	2143	2133
60°	5035	1888	1871
65°	3939	1660	1628
70°	3091	1471	1440
75°	2431	1325	1312
80°	1771	1215	1220
85°	1062	1137	1170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	5.6
10°-20°	441.1	13.0
20°-30°	523.5	15.5
30°-40°	526.7	15.6
40°-50°	489.6	14.5
50°-60°	403.2	11.9
60°-70°	284.1	8.4
70°-80°	185.6	5.5
80°-90°	118.5	3.5
90°-100°	77.7	2.3
100°-110°	52.8	1.6
110°-120°	36.2	1.1
120°-130°	25.0	0.7
130°-140°	16.8	0.5
140°-150°	10.4	0.3
150°-160°	5.4	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1152.8	34.0
0°-40°	1679.5	49.6
0°-60°	2572.3	75.9
0°-90°	3160.5	93.3
90°-120°	166.7	4.9
90°-150°	218.9	6.5
90°-180°	227.0	6.7
0°-180°	3387.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2125	2125	2125	2125	2125	
5°	2135	2107	2031	1992	1970	203
15°	2082	1860	1496	1308	1237	588
25°	1946	1438	953	801	767	895
35°	1665	973	646	605	602	1035
45°	1196	641	501	527	541	918
55°	687	421	387	430	444	620
65°	323	254	266	300	311	328
75°	126	131	179	211	220	136
85°	21	60	121	156	163	27
90°	0	41	98	133	138	1
95°	0	30	82	112	117	0
105°	0	21	55	78	85	0
115°	2	18	39	57	60	2
125°	2	14	32	41	44	2
135°	2	12	25	32	34	1
145°	2	9	18	25	27	1
155°	2	7	12	18	20	1
165°	2	4	7	9	11	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°	2124.8	2124.8	2124.8	2124.8	2124.8
1°	2142.5	2133.6	2110.6	2126.5	2123.0
2°	2140.7	2131.9	2105.2	2112.3	2099.9
3°	2139.0	2126.5	2085.7	2083.9	2066.2
4°	2137.2	2117.7	2060.9	2039.6	2025.4
5°	2135.4	2107.0	2030.7	1991.6	1970.3
6°	2133.6	2094.6	1991.6	1933.1	1902.9
7°	2130.1	2075.1	1950.8	1870.9	1831.9
8°	2126.5	2057.3	1899.3	1803.5	1755.6
9°	2123.0	2034.2	1847.9	1730.7	1673.9
10°	2115.9	2011.2	1794.6	1656.1	1595.8
11°	2112.3	1984.5	1743.1	1585.1	1514.1
12°	2105.2	1956.1	1688.1	1510.6	1448.5
13°	2098.1	1926.0	1620.6	1446.7	1372.1
14°	2091.0	1894.0	1562.1	1375.7	1306.5
15°	2082.2	1860.3	1496.4	1308.2	1237.2
16°	2073.3	1821.2	1437.8	1239.0	1164.5
17°	2064.4	1784.0	1382.8	1175.1	1107.6
18°	2053.8	1746.7	1318.9	1113.0	1047.3
19°	2039.6	1704.1	1267.4	1056.2	995.8
20°	2027.1	1665.0	1208.8	1002.9	949.7
21°	2012.9	1617.1	1150.2	953.2	900.0
22.5°	1991.6	1549.6	1075.7	891.1	841.4
23°	1981.0	1530.1	1045.5	868.0	825.4
24°	1966.8	1478.6	995.8	832.5	789.9
25°	1945.5	1437.8	953.2	800.6	766.8
26°	1926.0	1388.1	910.6	772.2	738.4
27°	1906.4	1340.2	873.3	742.0	713.6
28°	1881.6	1290.5	832.5	717.1	692.3
29°	1855.0	1244.3	798.8	695.8	676.3
30°	1828.3	1192.9	770.4	676.3	660.3
32.5°	1753.8	1079.2	697.6	639.0	628.4
35°	1665.0	972.7	646.1	605.3	601.8
37.5°	1565.6	875.1	600.0	578.7	582.2
40°	1448.5	786.4	560.9	559.1	566.2
42.5°	1324.2	710.0	530.7	543.2	553.8
45°	1196.4	640.8	500.6	527.2	541.4
47.5°	1063.3	580.5	473.9	507.7	523.6
50°	928.4	521.9	445.5	484.6	500.6
52.5°	807.7	470.4	417.1	458.0	475.7
55°	687.0	420.7	387.0	429.6	443.8
57.5°	582.2	374.5	355.0	397.6	408.3
60°	484.6	330.2	323.1	362.1	374.5
62.5°	395.8	291.1	292.9	330.2	342.6
65°	323.1	253.8	266.3	300.0	310.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	262.7	218.3	239.6	275.1	284.0
70°	207.7	186.4	218.3	250.3	259.2
72.5°	165.1	158.0	197.0	230.8	237.9
75°	126.0	131.4	179.3	211.2	220.1
77.5°	90.5	110.1	161.5	195.3	202.4
80°	63.9	90.5	147.3	181.1	188.2
82.5°	40.8	74.6	133.1	168.6	175.7
85°	21.3	60.4	120.7	156.2	163.3
87.5°	8.9	49.7	108.3	143.8	150.9
90°	0.0	40.8	97.6	133.1	138.5
92.5°	0.0	35.5	88.8	122.5	127.8
95°	0.0	30.2	81.7	111.8	117.2
97.5°	0.0	28.4	72.8	103.0	108.3
100°	0.0	24.9	65.7	94.1	101.2
102.5°	0.0	23.1	60.4	85.2	92.3
105°	0.0	21.3	55.0	78.1	85.2
107.5°	0.0	19.5	51.5	72.8	78.1
110°	0.0	19.5	46.2	67.5	72.8
112.5°	1.8	17.8	42.6	60.4	65.7
115°	1.8	17.8	39.1	56.8	60.4
117.5°	1.8	17.8	37.3	51.5	55.0
120°	1.8	16.0	35.5	47.9	51.5
122.5°	1.8	16.0	33.7	44.4	46.2
125°	1.8	14.2	32.0	40.8	44.4
127.5°	1.8	14.2	30.2	39.1	40.8
130°	1.8	14.2	28.4	35.5	39.1
132.5°	1.8	12.4	26.6	33.7	35.5
135°	1.8	12.4	24.9	32.0	33.7
137.5°	1.8	10.7	23.1	30.2	32.0
140°	1.8	10.7	21.3	28.4	30.2
142.5°	1.8	8.9	19.5	26.6	28.4
145°	1.8	8.9	17.8	24.9	26.6
147.5°	1.8	8.9	16.0	23.1	24.9
150°	1.8	7.1	14.2	21.3	23.1
152.5°	1.8	7.1	12.4	19.5	21.3
155°	1.8	7.1	12.4	17.8	19.5
157.5°	1.8	5.3	10.7	14.2	17.8
160°	1.8	5.3	8.9	12.4	16.0
162.5°	1.8	5.3	8.9	10.7	12.4
165°	1.8	3.6	7.1	8.9	10.7
167.5°	1.8	3.6	5.3	7.1	8.9
170°	1.8	3.6	5.3	5.3	7.1
172.5°	1.8	3.6	3.6	3.6	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)