

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: P565873

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565873
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: 2SNX-SL3-LN-UNV-CC83-CD-4000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

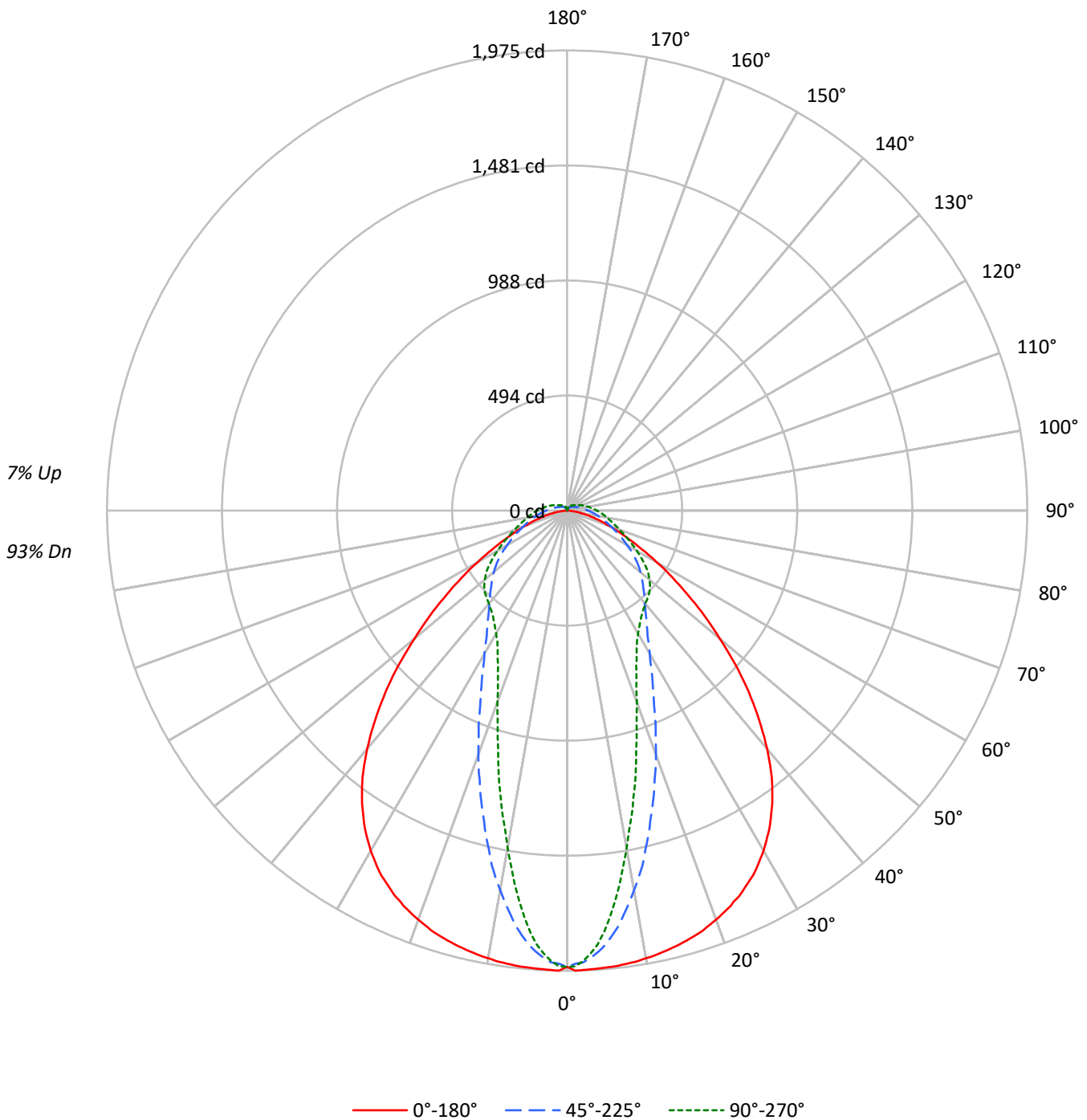
Lumens per Lamp: N/A
Luminaire Lumens: 3122.0 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20
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	68	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°	42162	42162	42162
5°	42227	38656	37085
10°	42016	33068	28772
15°	41842	26916	21564
20°	41546	21396	16139
25°	41003	16732	12807
30°	39970	13514	10926
35°	38109	11414	9938
40°	35068	10055	9405
45°	30992	9179	9115
50°	26069	8428	8611
55°	21238	7618	7864
60°	16807	6683	6898
65°	12870	5849	6002
70°	9803	5157	5310
75°	7372	4615	4838
80°	4959	4201	4496
85°	2479	3893	4312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	5.6
10°-20°	406.5	13.0
20°-30°	482.6	15.5
30°-40°	485.5	15.6
40°-50°	451.3	14.5
50°-60°	371.6	11.9
60°-70°	261.9	8.4
70°-80°	171.1	5.5
80°-90°	109.2	3.5
90°-100°	71.6	2.3
100°-110°	48.6	1.6
110°-120°	33.3	1.1
120°-130°	23.1	0.7
130°-140°	15.5	0.5
140°-150°	9.6	0.3
150°-160°	5.0	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1062.6	34.0
0°-40°	1548.1	49.6
0°-60°	2371.0	75.9
0°-90°	2913.2	93.3
90°-120°	153.6	4.9
90°-150°	201.7	6.5
90°-180°	209.0	6.7
0°-180°	3122.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1968	1942	1872	1836	1816	187
15°	1919	1715	1379	1206	1140	542
25°	1793	1325	879	738	707	825
35°	1535	897	596	558	555	954
45°	1103	591	461	486	499	847
55°	633	388	357	396	409	572
65°	298	234	245	276	286	302
75°	116	121	165	195	203	126
85°	20	56	111	144	150	25
90°	0	38	90	123	128	1
95°	0	28	75	103	108	0
105°	0	20	51	72	78	0
115°	2	16	36	52	56	1
125°	2	13	30	38	41	1
135°	2	12	23	30	31	1
145°	2	8	16	23	24	1
155°	2	6	12	16	18	1
165°	2	3	6	8	10	0
175°	3	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1958.5	1958.5	1958.5	1958.5	1958.5
1°	1974.9	1966.7	1945.4	1960.2	1956.9
2°	1973.2	1965.1	1940.5	1947.1	1935.6
3°	1971.6	1960.2	1922.5	1920.9	1904.5
4°	1970.0	1952.0	1899.6	1880.0	1866.9
5°	1968.3	1942.2	1871.8	1835.8	1816.2
6°	1966.7	1930.7	1835.8	1781.8	1754.0
7°	1963.4	1912.7	1798.2	1724.5	1688.6
8°	1960.2	1896.3	1750.7	1662.4	1618.2
9°	1956.9	1875.1	1703.3	1595.3	1542.9
10°	1950.3	1853.8	1654.2	1526.6	1470.9
11°	1947.1	1829.3	1606.7	1461.1	1395.7
12°	1940.5	1803.1	1556.0	1392.4	1335.1
13°	1934.0	1775.3	1493.8	1333.5	1264.8
14°	1927.4	1745.8	1439.9	1268.1	1204.2
15°	1919.3	1714.7	1379.3	1205.9	1140.4
16°	1911.1	1678.7	1325.3	1142.1	1073.3
17°	1902.9	1644.4	1274.6	1083.2	1021.0
18°	1893.1	1610.0	1215.7	1025.9	965.4
19°	1880.0	1570.7	1168.2	973.5	917.9
20°	1868.5	1534.7	1114.2	924.4	875.4
21°	1855.4	1490.6	1060.3	878.6	829.6
22.5°	1835.8	1428.4	991.5	821.4	775.6
23°	1826.0	1410.4	963.7	800.1	760.8
24°	1812.9	1362.9	917.9	767.4	728.1
25°	1793.3	1325.3	878.6	737.9	706.8
26°	1775.3	1279.5	839.4	711.7	680.7
27°	1757.3	1235.3	805.0	683.9	657.7
28°	1734.4	1189.5	767.4	661.0	638.1
29°	1709.8	1147.0	736.3	641.4	623.4
30°	1685.3	1099.5	710.1	623.4	608.7
32.5°	1616.6	994.8	643.0	589.0	579.2
35°	1534.7	896.6	595.6	557.9	554.7
37.5°	1443.1	806.6	553.0	533.4	536.7
40°	1335.1	724.8	517.0	515.4	521.9
42.5°	1220.6	654.5	489.2	500.7	510.5
45°	1102.8	590.7	461.4	485.9	499.0
47.5°	980.1	535.0	436.9	468.0	482.7
50°	855.7	481.0	410.7	446.7	461.4
52.5°	744.5	433.6	384.5	422.1	438.5
55°	633.2	387.8	356.7	396.0	409.0
57.5°	536.7	345.2	327.2	366.5	376.3
60°	446.7	304.3	297.8	333.8	345.2
62.5°	364.9	268.3	270.0	304.3	315.8
65°	297.8	234.0	245.4	276.5	286.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	242.2	201.3	220.9	253.6	261.8
70°	191.4	171.8	201.3	230.7	238.9
72.5°	152.2	145.6	181.6	212.7	219.2
75°	116.2	121.1	165.3	194.7	202.9
77.5°	83.4	101.4	148.9	180.0	186.5
80°	58.9	83.4	135.8	166.9	173.4
82.5°	37.6	68.7	122.7	155.4	162.0
85°	19.6	55.6	111.3	144.0	150.5
87.5°	8.2	45.8	99.8	132.5	139.1
90°	0.0	37.6	90.0	122.7	127.6
92.5°	0.0	32.7	81.8	112.9	117.8
95°	0.0	27.8	75.3	103.1	108.0
97.5°	0.0	26.2	67.1	94.9	99.8
100°	0.0	22.9	60.5	86.7	93.3
102.5°	0.0	21.3	55.6	78.5	85.1
105°	0.0	19.6	50.7	72.0	78.5
107.5°	0.0	18.0	47.4	67.1	72.0
110°	0.0	18.0	42.5	62.2	67.1
112.5°	1.6	16.4	39.3	55.6	60.5
115°	1.6	16.4	36.0	52.4	55.6
117.5°	1.6	16.4	34.4	47.4	50.7
120°	1.6	14.7	32.7	44.2	47.4
122.5°	1.6	14.7	31.1	40.9	42.5
125°	1.6	13.1	29.5	37.6	40.9
127.5°	1.6	13.1	27.8	36.0	37.6
130°	1.6	13.1	26.2	32.7	36.0
132.5°	1.6	11.5	24.5	31.1	32.7
135°	1.6	11.5	22.9	29.5	31.1
137.5°	1.6	9.8	21.3	27.8	29.5
140°	1.6	9.8	19.6	26.2	27.8
142.5°	1.6	8.2	18.0	24.5	26.2
145°	1.6	8.2	16.4	22.9	24.5
147.5°	1.6	8.2	14.7	21.3	22.9
150°	1.6	6.5	13.1	19.6	21.3
152.5°	1.6	6.5	11.5	18.0	19.6
155°	1.6	6.5	11.5	16.4	18.0
157.5°	1.6	4.9	9.8	13.1	16.4
160°	1.6	4.9	8.2	11.5	14.7
162.5°	1.6	4.9	8.2	9.8	11.5
165°	1.6	3.3	6.5	8.2	9.8
167.5°	1.6	3.3	4.9	6.5	8.2
170°	1.6	3.3	4.9	4.9	6.5
172.5°	1.6	3.3	3.3	3.3	3.3
175°	3.3	3.3	3.3	3.3	1.6
177.5°	3.3	3.3	3.3	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)