

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: P566298

Luminaire Tested: **4SNX-33SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566298
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: 4SNX-33SL-LN-UNV-L930-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

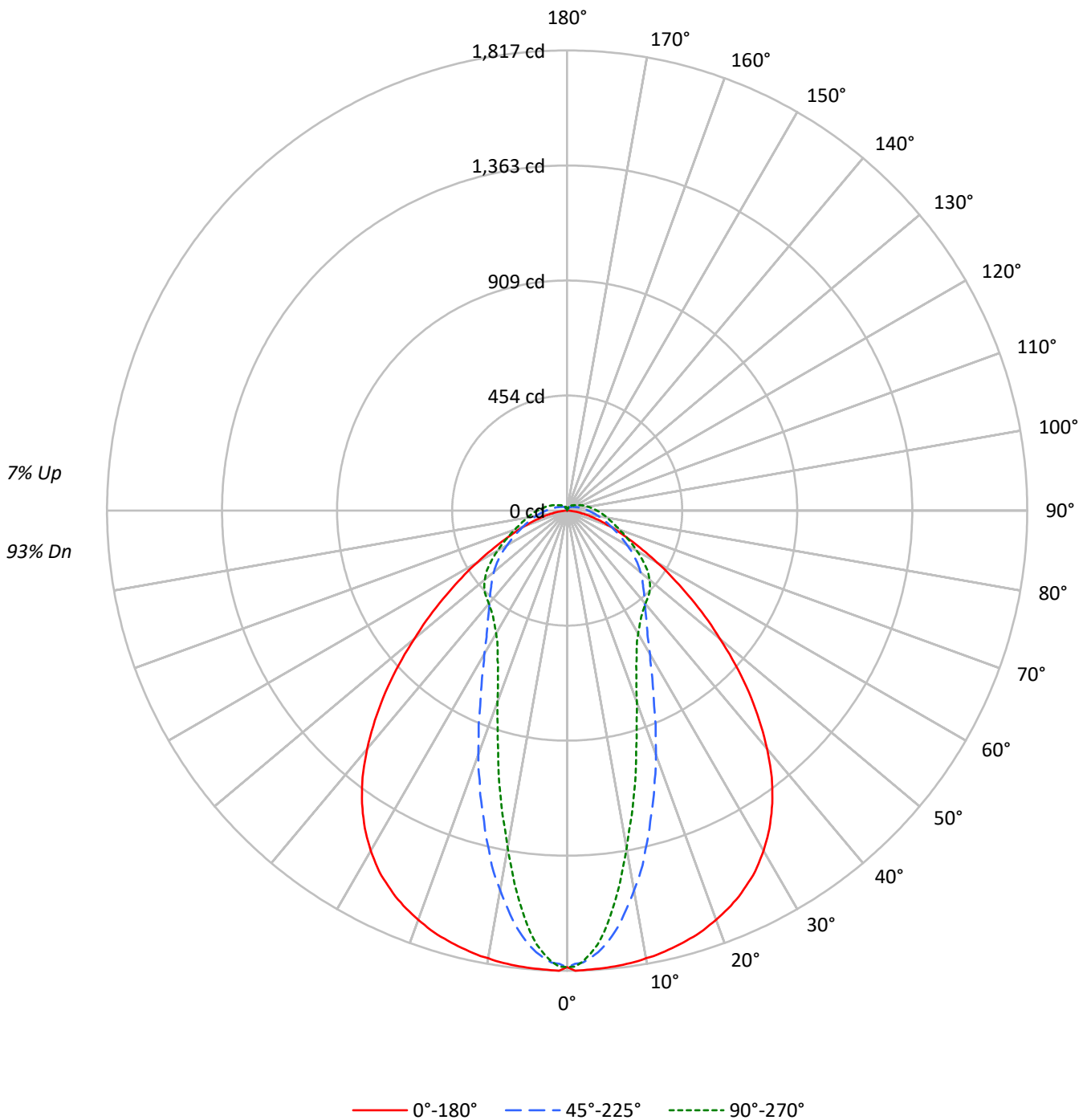
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2873.0 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21.1
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°	19400	19400	19400
5°	19501	17830	17063
10°	19474	15288	13239
15°	19465	12471	9923
20°	19402	9935	7425
25°	19225	7785	5894
30°	18823	6300	5027
35°	18032	5332	4572
40°	16680	4707	4328
45°	14830	4306	4194
50°	12563	3963	3962
55°	10321	3591	3618
60°	8254	3158	3174
65°	6406	2774	2762
70°	4976	2453	2443
75°	3848	2205	2226
80°	2718	2017	2069
85°	1514	1881	1984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	5.6
10°-20°	374.1	13.0
20°-30°	444.1	15.5
30°-40°	446.8	15.6
40°-50°	415.3	14.5
50°-60°	342.0	11.9
60°-70°	241.0	8.4
70°-80°	157.4	5.5
80°-90°	100.5	3.5
90°-100°	65.9	2.3
100°-110°	44.8	1.6
110°-120°	30.7	1.1
120°-130°	21.2	0.7
130°-140°	14.3	0.5
140°-150°	8.8	0.3
150°-160°	4.6	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	977.8	34.0
0°-40°	1424.6	49.6
0°-60°	2181.9	75.9
0°-90°	2680.9	93.3
90°-120°	141.4	4.9
90°-150°	185.7	6.5
90°-180°	192.0	6.7
0°-180°	2873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1802	1802	1802	1802	1802	
5°	1811	1787	1722	1689	1671	172
15°	1766	1578	1269	1110	1050	499
25°	1650	1220	809	679	650	759
35°	1412	825	548	513	510	878
45°	1015	544	425	447	459	779
55°	583	357	328	364	376	526
65°	274	215	226	254	264	278
75°	107	111	152	179	187	116
85°	18	51	102	132	138	23
90°	0	35	83	113	117	1
95°	0	26	69	95	99	0
105°	0	18	47	66	72	0
115°	2	15	33	48	51	1
125°	2	12	27	35	38	1
135°	2	10	21	27	29	1
145°	2	8	15	21	23	1
155°	2	6	10	15	17	1
165°	2	3	6	8	9	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°	1802.3	1802.3	1802.3	1802.3	1802.3
1°	1817.4	1809.8	1790.3	1803.8	1800.8
2°	1815.9	1808.3	1785.8	1791.8	1781.2
3°	1814.4	1803.8	1769.2	1767.7	1752.6
4°	1812.9	1796.3	1748.1	1730.0	1718.0
5°	1811.4	1787.3	1722.5	1689.4	1671.3
6°	1809.8	1776.7	1689.4	1639.7	1614.1
7°	1806.8	1760.2	1654.8	1587.0	1553.9
8°	1803.8	1745.1	1611.1	1529.8	1489.1
9°	1800.8	1725.5	1567.4	1468.1	1419.9
10°	1794.8	1706.0	1522.3	1404.8	1353.6
11°	1791.8	1683.4	1478.6	1344.6	1284.4
12°	1785.8	1659.3	1431.9	1281.3	1228.6
13°	1779.7	1633.7	1374.7	1227.1	1163.9
14°	1773.7	1606.6	1325.0	1166.9	1108.2
15°	1766.2	1578.0	1269.3	1109.7	1049.5
16°	1758.7	1544.8	1219.6	1051.0	987.7
17°	1751.1	1513.2	1172.9	996.8	939.6
18°	1742.1	1481.6	1118.7	944.1	888.4
19°	1730.0	1445.5	1075.1	895.9	844.7
20°	1719.5	1412.3	1025.4	850.7	805.5
21°	1707.5	1371.7	975.7	808.6	763.4
22.5°	1689.4	1314.5	912.5	755.9	713.7
23°	1680.4	1297.9	886.9	736.3	700.1
24°	1668.3	1254.2	844.7	706.2	670.0
25°	1650.2	1219.6	808.6	679.1	650.5
26°	1633.7	1177.5	772.4	655.0	626.4
27°	1617.1	1136.8	740.8	629.4	605.3
28°	1596.0	1094.6	706.2	608.3	587.2
29°	1573.5	1055.5	677.6	590.2	573.7
30°	1550.9	1011.8	653.5	573.7	560.1
32.5°	1487.6	915.5	591.7	542.1	533.0
35°	1412.3	825.1	548.1	513.4	510.4
37.5°	1328.0	742.3	508.9	490.9	493.9
40°	1228.6	667.0	475.8	474.3	480.3
42.5°	1123.2	602.3	450.2	460.7	469.8
45°	1014.8	543.6	424.6	447.2	459.2
47.5°	901.9	492.4	402.0	430.6	444.2
50°	787.5	442.7	377.9	411.1	424.6
52.5°	685.1	399.0	353.8	388.5	403.5
55°	582.7	356.9	328.2	364.4	376.4
57.5°	493.9	317.7	301.1	337.3	346.3
60°	411.1	280.1	274.0	307.2	317.7
62.5°	335.8	246.9	248.4	280.1	290.6
65°	274.0	215.3	225.9	254.5	263.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	222.8	185.2	203.3	233.4	240.9
70°	176.2	158.1	185.2	212.3	219.8
72.5°	140.0	134.0	167.1	195.7	201.8
75°	106.9	111.4	152.1	179.2	186.7
77.5°	76.8	93.4	137.0	165.6	171.6
80°	54.2	76.8	125.0	153.6	159.6
82.5°	34.6	63.2	112.9	143.0	149.1
85°	18.1	51.2	102.4	132.5	138.5
87.5°	7.5	42.2	91.8	122.0	128.0
90°	0.0	34.6	82.8	112.9	117.4
92.5°	0.0	30.1	75.3	103.9	108.4
95°	0.0	25.6	69.3	94.9	99.4
97.5°	0.0	24.1	61.7	87.3	91.8
100°	0.0	21.1	55.7	79.8	85.8
102.5°	0.0	19.6	51.2	72.3	78.3
105°	0.0	18.1	46.7	66.3	72.3
107.5°	0.0	16.6	43.7	61.7	66.3
110°	0.0	16.6	39.1	57.2	61.7
112.5°	1.5	15.1	36.1	51.2	55.7
115°	1.5	15.1	33.1	48.2	51.2
117.5°	1.5	15.1	31.6	43.7	46.7
120°	1.5	13.6	30.1	40.7	43.7
122.5°	1.5	13.6	28.6	37.6	39.1
125°	1.5	12.0	27.1	34.6	37.6
127.5°	1.5	12.0	25.6	33.1	34.6
130°	1.5	12.0	24.1	30.1	33.1
132.5°	1.5	10.5	22.6	28.6	30.1
135°	1.5	10.5	21.1	27.1	28.6
137.5°	1.5	9.0	19.6	25.6	27.1
140°	1.5	9.0	18.1	24.1	25.6
142.5°	1.5	7.5	16.6	22.6	24.1
145°	1.5	7.5	15.1	21.1	22.6
147.5°	1.5	7.5	13.6	19.6	21.1
150°	1.5	6.0	12.0	18.1	19.6
152.5°	1.5	6.0	10.5	16.6	18.1
155°	1.5	6.0	10.5	15.1	16.6
157.5°	1.5	4.5	9.0	12.0	15.1
160°	1.5	4.5	7.5	10.5	13.6
162.5°	1.5	4.5	7.5	9.0	10.5
165°	1.5	3.0	6.0	7.5	9.0
167.5°	1.5	3.0	4.5	6.0	7.5
170°	1.5	3.0	4.5	4.5	6.0
172.5°	1.5	3.0	3.0	3.0	3.0
175°	3.0	3.0	3.0	3.0	1.5
177.5°	3.0	3.0	3.0	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)