

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: P566299

Luminaire Tested: **4SNX-33SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566299
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-L935-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

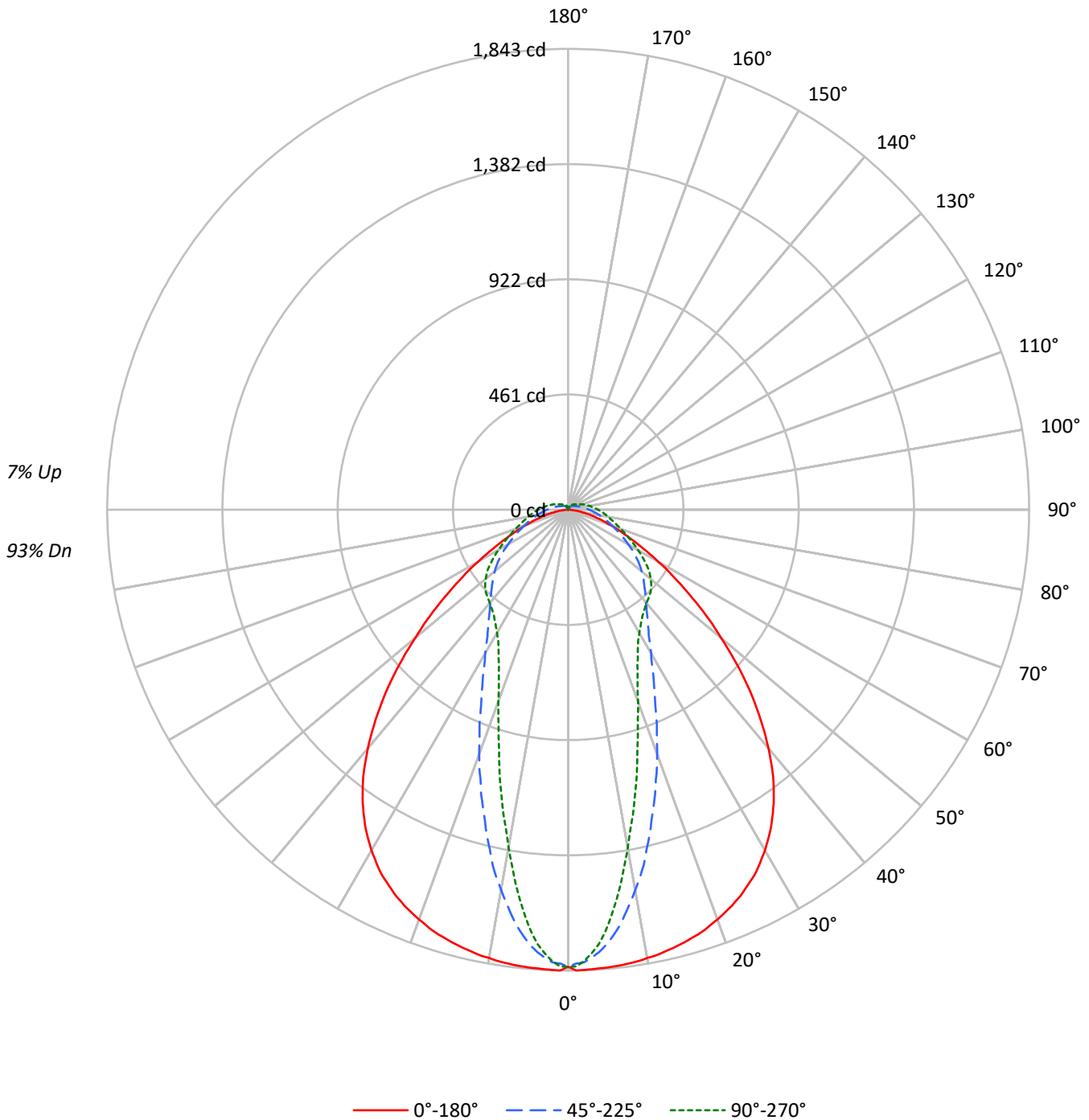
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 138.1 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 (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°	19676	19676	19676
5°	19779	18085	17307
10°	19752	15506	13427
15°	19742	12649	10064
20°	19679	10076	7531
25°	19500	7896	5977
30°	19092	6390	5099
35°	18290	5408	4638
40°	16919	4774	4390
45°	15042	4368	4254
50°	12742	4019	4019
55°	10468	3642	3670
60°	8371	3203	3219
65°	6497	2813	2802
70°	5046	2487	2478
75°	3901	2235	2258
80°	2758	2047	2099
85°	1531	1906	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	5.6
10°-20°	379.5	13.0
20°-30°	450.4	15.5
30°-40°	453.2	15.6
40°-50°	421.3	14.5
50°-60°	346.9	11.9
60°-70°	244.4	8.4
70°-80°	159.7	5.5
80°-90°	101.9	3.5
90°-100°	66.9	2.3
100°-110°	45.4	1.6
110°-120°	31.1	1.1
120°-130°	21.5	0.7
130°-140°	14.5	0.5
140°-150°	8.9	0.3
150°-160°	4.6	0.2
160°-170°	1.7	0.1
170°-180°	0.3	0.0
0°-30°	991.8	34.0
0°-40°	1445.0	49.6
0°-60°	2213.1	75.9
0°-90°	2719.1	93.3
90°-120°	143.4	4.9
90°-150°	188.3	6.5
90°-180°	195.0	6.7
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1828	1828	1828	1828	1828	
5°	1837	1813	1747	1714	1695	175
15°	1791	1600	1287	1126	1064	506
25°	1674	1237	820	689	660	770
35°	1432	837	556	521	518	891
45°	1029	551	431	454	466	790
55°	591	362	333	370	382	534
65°	278	218	229	258	267	282
75°	108	113	154	182	189	117
85°	18	52	104	134	140	23
90°	0	35	84	114	119	1
95°	0	26	70	96	101	0
105°	0	18	47	67	73	0
115°	2	15	34	49	52	1
125°	2	12	28	35	38	1
135°	2	11	21	28	29	1
145°	2	8	15	21	23	1
155°	2	6	11	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°	1828.0	1828.0	1828.0	1828.0	1828.0
1°	1843.3	1835.7	1815.8	1829.6	1826.5
2°	1841.8	1834.1	1811.2	1817.3	1806.7
3°	1840.3	1829.6	1794.4	1792.9	1777.6
4°	1838.7	1821.9	1773.1	1754.7	1742.5
5°	1837.2	1812.8	1747.1	1713.5	1695.2
6°	1835.7	1802.1	1713.5	1663.1	1637.1
7°	1832.6	1785.3	1678.4	1609.7	1576.1
8°	1829.6	1770.0	1634.1	1551.6	1510.4
9°	1826.5	1750.2	1589.8	1489.0	1440.1
10°	1820.4	1730.3	1544.0	1424.9	1372.9
11°	1817.3	1707.4	1499.7	1363.8	1302.7
12°	1811.2	1683.0	1452.4	1299.6	1246.2
13°	1805.1	1657.0	1394.3	1244.7	1180.5
14°	1799.0	1629.5	1343.9	1183.6	1124.0
15°	1791.4	1600.5	1287.4	1125.5	1064.4
16°	1783.8	1566.9	1237.0	1066.0	1001.8
17°	1776.1	1534.8	1189.7	1011.0	953.0
18°	1767.0	1502.7	1134.7	957.5	901.0
19°	1754.7	1466.1	1090.4	908.7	856.8
20°	1744.0	1432.5	1040.0	862.9	817.0
21°	1731.8	1391.3	989.6	820.1	774.3
22.5°	1713.5	1333.2	925.5	766.6	723.9
23°	1704.3	1316.4	899.5	746.8	710.1
24°	1692.1	1272.1	856.8	716.2	679.6
25°	1673.8	1237.0	820.1	688.8	659.7
26°	1657.0	1194.3	783.4	664.3	635.3
27°	1640.2	1153.0	751.4	638.4	613.9
28°	1618.8	1110.3	716.2	617.0	595.6
29°	1595.9	1070.6	687.2	598.7	581.9
30°	1573.0	1026.3	662.8	581.9	568.1
32.5°	1508.9	928.5	600.2	549.8	540.6
35°	1432.5	836.9	555.9	520.8	517.7
37.5°	1347.0	752.9	516.2	497.9	500.9
40°	1246.2	676.5	482.6	481.1	487.2
42.5°	1139.3	610.9	456.6	467.3	476.5
45°	1029.3	551.3	430.7	453.6	465.8
47.5°	914.8	499.4	407.8	436.8	450.5
50°	798.7	449.0	383.3	416.9	430.7
52.5°	694.9	404.7	358.9	394.0	409.3
55°	591.0	361.9	332.9	369.6	381.8
57.5°	500.9	322.2	305.4	342.1	351.3
60°	416.9	284.1	277.9	311.5	322.2
62.5°	340.6	250.5	252.0	284.1	294.7
65°	277.9	218.4	229.1	258.1	267.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	226.0	187.8	206.2	236.7	244.3
70°	178.7	160.4	187.8	215.3	223.0
72.5°	142.0	135.9	169.5	198.5	204.6
75°	108.4	113.0	154.2	181.7	189.4
77.5°	77.9	94.7	139.0	168.0	174.1
80°	55.0	77.9	126.8	155.8	161.9
82.5°	35.1	64.1	114.5	145.1	151.2
85°	18.3	51.9	103.8	134.4	140.5
87.5°	7.6	42.8	93.2	123.7	129.8
90°	0.0	35.1	84.0	114.5	119.1
92.5°	0.0	30.5	76.4	105.4	110.0
95°	0.0	26.0	70.3	96.2	100.8
97.5°	0.0	24.4	62.6	88.6	93.2
100°	0.0	21.4	56.5	80.9	87.0
102.5°	0.0	19.9	51.9	73.3	79.4
105°	0.0	18.3	47.3	67.2	73.3
107.5°	0.0	16.8	44.3	62.6	67.2
110°	0.0	16.8	39.7	58.0	62.6
112.5°	1.5	15.3	36.7	51.9	56.5
115°	1.5	15.3	33.6	48.9	51.9
117.5°	1.5	15.3	32.1	44.3	47.3
120°	1.5	13.7	30.5	41.2	44.3
122.5°	1.5	13.7	29.0	38.2	39.7
125°	1.5	12.2	27.5	35.1	38.2
127.5°	1.5	12.2	26.0	33.6	35.1
130°	1.5	12.2	24.4	30.5	33.6
132.5°	1.5	10.7	22.9	29.0	30.5
135°	1.5	10.7	21.4	27.5	29.0
137.5°	1.5	9.2	19.9	26.0	27.5
140°	1.5	9.2	18.3	24.4	26.0
142.5°	1.5	7.6	16.8	22.9	24.4
145°	1.5	7.6	15.3	21.4	22.9
147.5°	1.5	7.6	13.7	19.9	21.4
150°	1.5	6.1	12.2	18.3	19.9
152.5°	1.5	6.1	10.7	16.8	18.3
155°	1.5	6.1	10.7	15.3	16.8
157.5°	1.5	4.6	9.2	12.2	15.3
160°	1.5	4.6	7.6	10.7	13.7
162.5°	1.5	4.6	7.6	9.2	10.7
165°	1.5	3.1	6.1	7.6	9.2
167.5°	1.5	3.1	4.6	6.1	7.6
170°	1.5	3.1	4.6	4.6	6.1
172.5°	1.5	3.1	3.1	3.1	3.1
175°	3.1	3.1	3.1	3.1	1.5
177.5°	3.1	3.1	3.1	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)