

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: P566294

Luminaire Tested: **4SNX-33SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566294
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-L830-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

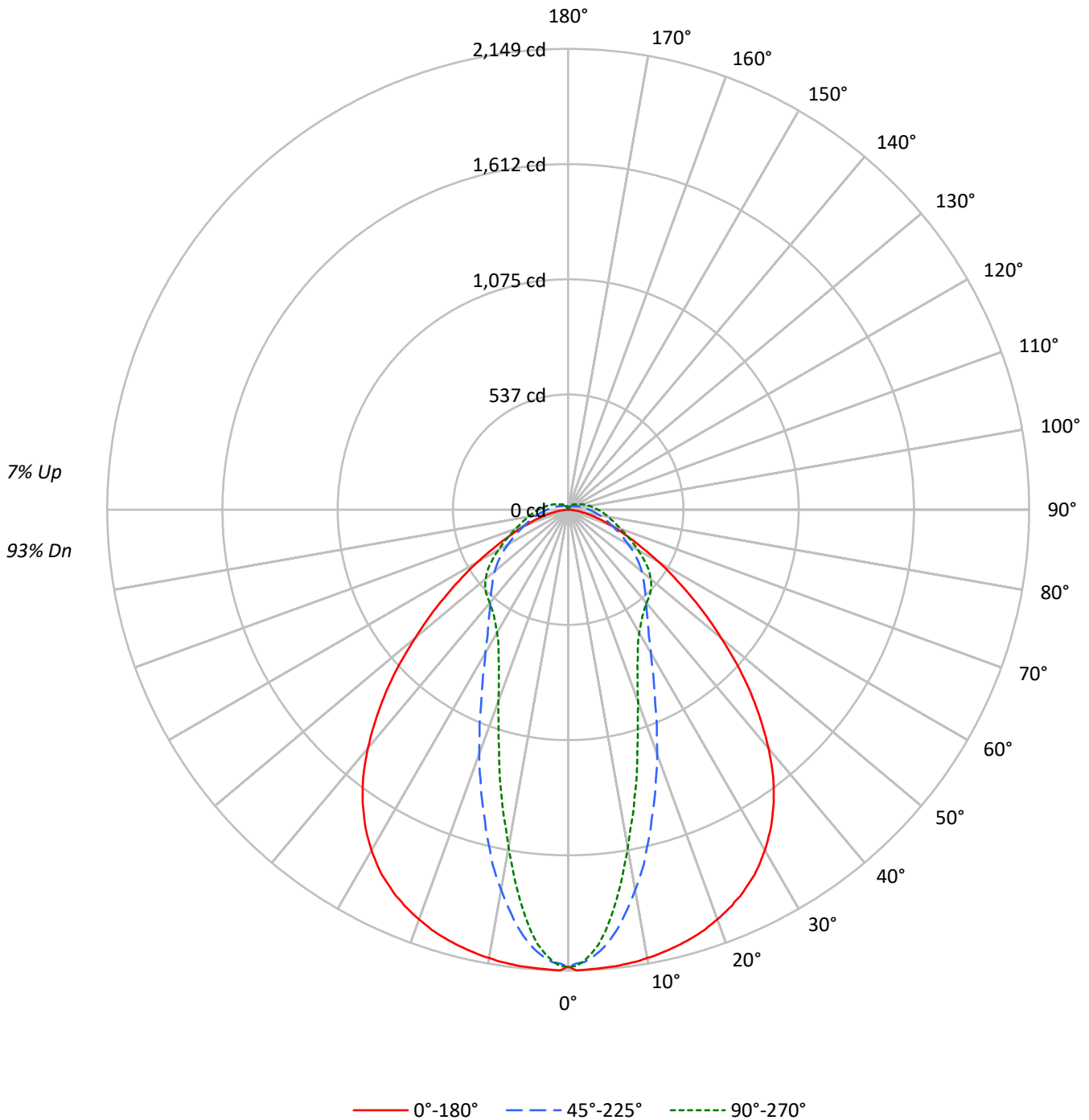
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3397.0 lumens
Efficiency: N/A
Efficacy: 161.0 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	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°	22938	22938	22938
5°	23057	21083	20176
10°	23025	18076	15653
15°	23014	14745	11732
20°	22941	11746	8780
25°	22732	9204	6968
30°	22256	7450	5944
35°	21321	6304	5406
40°	19723	5566	5117
45°	17535	5091	4959
50°	14854	4686	4684
55°	12204	4246	4279
60°	9758	3735	3753
65°	7575	3279	3266
70°	5882	2901	2889
75°	4549	2606	2633
80°	3214	2385	2447
85°	1790	2224	2347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	5.6
10°-20°	442.4	13.0
20°-30°	525.1	15.5
30°-40°	528.3	15.6
40°-50°	491.1	14.5
50°-60°	404.4	11.9
60°-70°	284.9	8.4
70°-80°	186.1	5.5
80°-90°	118.8	3.5
90°-100°	77.9	2.3
100°-110°	52.9	1.6
110°-120°	36.3	1.1
120°-130°	25.1	0.7
130°-140°	16.9	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°	1156.2	34.0
0°-40°	1684.4	49.6
0°-60°	2579.9	75.9
0°-90°	3169.8	93.3
90°-120°	167.1	4.9
90°-150°	219.5	6.5
90°-180°	227.0	6.7
0°-180°	3397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2131	2131	2131	2131	2131	
5°	2142	2113	2037	1998	1976	204
15°	2088	1866	1501	1312	1241	590
25°	1951	1442	956	803	769	898
35°	1670	976	648	607	604	1039
45°	1200	643	502	529	543	921
55°	689	422	388	431	445	622
65°	324	255	267	301	312	329
75°	126	132	180	212	221	137
85°	21	60	121	157	164	27
90°	0	41	98	134	139	1
95°	0	30	82	112	118	0
105°	0	21	55	78	86	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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CATALOG NUMBER: 4SNX-33SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2131.0	2131.0	2131.0	2131.0	2131.0
1°	2148.8	2139.9	2116.8	2132.8	2129.3
2°	2147.1	2138.2	2111.5	2118.6	2106.1
3°	2145.3	2132.8	2091.9	2090.1	2072.3
4°	2143.5	2123.9	2066.9	2045.6	2031.3
5°	2141.7	2113.2	2036.7	1997.5	1976.2
6°	2139.9	2100.8	1997.5	1938.8	1908.5
7°	2136.4	2081.2	1956.6	1876.5	1837.3
8°	2132.8	2063.4	1904.9	1808.8	1760.7
9°	2129.3	2040.2	1853.3	1735.8	1678.8
10°	2122.1	2017.1	1799.9	1661.0	1600.5
11°	2118.6	1990.4	1748.3	1589.8	1518.6
12°	2111.5	1961.9	1693.1	1515.1	1452.7
13°	2104.3	1931.6	1625.4	1451.0	1376.2
14°	2097.2	1899.6	1566.7	1379.7	1310.3
15°	2088.3	1865.8	1500.8	1312.1	1240.9
16°	2079.4	1826.6	1442.1	1242.7	1167.9
17°	2070.5	1789.2	1386.9	1178.6	1110.9
18°	2059.8	1751.8	1322.8	1116.3	1050.4
19°	2045.6	1709.1	1271.1	1059.3	998.8
20°	2033.1	1669.9	1212.4	1005.9	952.5
21°	2018.9	1621.9	1153.6	956.0	902.6
22.5°	1997.5	1554.2	1078.9	893.7	843.9
23°	1986.8	1534.6	1048.6	870.6	827.8
24°	1972.6	1483.0	998.8	835.0	792.2
25°	1951.2	1442.1	956.0	802.9	769.1
26°	1931.6	1392.2	913.3	774.4	740.6
27°	1912.1	1344.1	875.9	744.2	715.7
28°	1887.1	1294.3	835.0	719.2	694.3
29°	1860.4	1248.0	801.1	697.9	678.3
30°	1833.7	1196.4	772.7	678.3	662.3
32.5°	1759.0	1082.4	699.7	640.9	630.2
35°	1669.9	975.6	648.0	607.1	603.5
37.5°	1570.2	877.7	601.7	580.4	583.9
40°	1452.7	788.7	562.6	560.8	567.9
42.5°	1328.1	712.1	532.3	544.8	555.5
45°	1199.9	642.7	502.0	528.8	543.0
47.5°	1066.4	582.2	475.3	509.2	525.2
50°	931.1	523.4	446.9	486.0	502.0
52.5°	810.0	471.8	418.4	459.3	477.1
55°	689.0	421.9	388.1	430.8	445.1
57.5°	583.9	375.6	356.1	398.8	409.5
60°	486.0	331.1	324.0	363.2	375.6
62.5°	397.0	292.0	293.8	331.1	343.6
65°	324.0	254.6	267.0	300.9	311.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	263.5	219.0	240.3	275.9	284.9
70°	208.3	186.9	219.0	251.0	259.9
72.5°	165.6	158.4	197.6	231.4	238.6
75°	126.4	131.7	179.8	211.9	220.8
77.5°	90.8	110.4	162.0	195.8	203.0
80°	64.1	90.8	147.8	181.6	188.7
82.5°	40.9	74.8	133.5	169.1	176.3
85°	21.4	60.5	121.1	156.7	163.8
87.5°	8.9	49.8	108.6	144.2	151.3
90°	0.0	40.9	97.9	133.5	138.9
92.5°	0.0	35.6	89.0	122.8	128.2
95°	0.0	30.3	81.9	112.2	117.5
97.5°	0.0	28.5	73.0	103.3	108.6
100°	0.0	24.9	65.9	94.4	101.5
102.5°	0.0	23.1	60.5	85.5	92.6
105°	0.0	21.4	55.2	78.3	85.5
107.5°	0.0	19.6	51.6	73.0	78.3
110°	0.0	19.6	46.3	67.7	73.0
112.5°	1.8	17.8	42.7	60.5	65.9
115°	1.8	17.8	39.2	57.0	60.5
117.5°	1.8	17.8	37.4	51.6	55.2
120°	1.8	16.0	35.6	48.1	51.6
122.5°	1.8	16.0	33.8	44.5	46.3
125°	1.8	14.2	32.0	40.9	44.5
127.5°	1.8	14.2	30.3	39.2	40.9
130°	1.8	14.2	28.5	35.6	39.2
132.5°	1.8	12.5	26.7	33.8	35.6
135°	1.8	12.5	24.9	32.0	33.8
137.5°	1.8	10.7	23.1	30.3	32.0
140°	1.8	10.7	21.4	28.5	30.3
142.5°	1.8	8.9	19.6	26.7	28.5
145°	1.8	8.9	17.8	24.9	26.7
147.5°	1.8	8.9	16.0	23.1	24.9
150°	1.8	7.1	14.2	21.4	23.1
152.5°	1.8	7.1	12.5	19.6	21.4
155°	1.8	7.1	12.5	17.8	19.6
157.5°	1.8	5.3	10.7	14.2	17.8
160°	1.8	5.3	8.9	12.5	16.0
162.5°	1.8	5.3	8.9	10.7	12.5
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)