

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: P566295

Luminaire Tested: **4SNX-33SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566295
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-L835-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

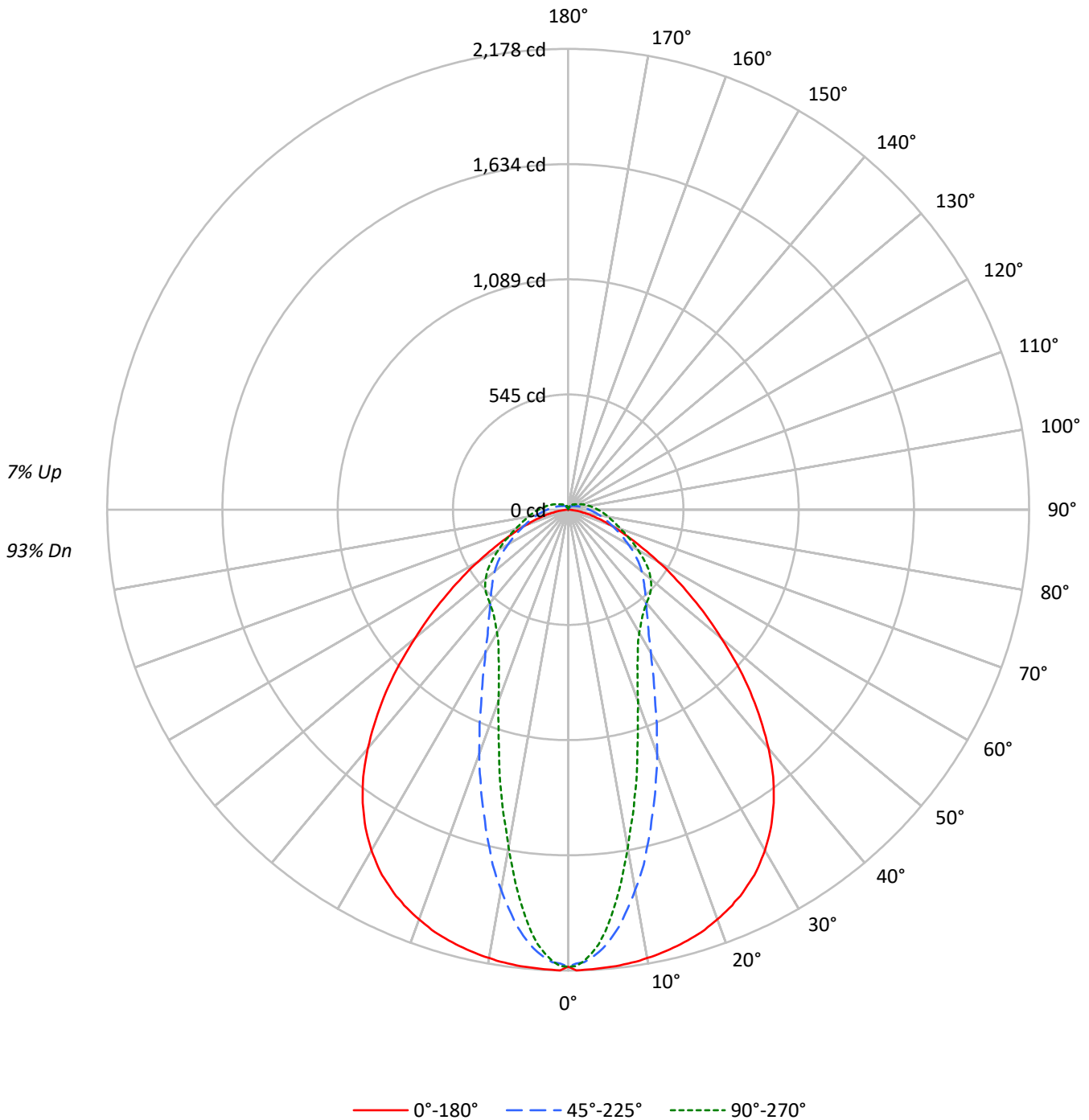
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3443.0 lumens
Efficiency: N/A
Efficacy: 163.2 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	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°	23249	23249	23249
5°	23369	21368	20449
10°	23338	18321	15866
15°	23326	14945	11891
20°	23252	11905	8899
25°	23041	9329	7062
30°	22558	7550	6024
35°	21611	6390	5480
40°	19990	5641	5187
45°	17773	5160	5026
50°	15055	4749	4748
55°	12368	4304	4337
60°	9891	3786	3804
65°	7678	3324	3310
70°	5961	2939	2927
75°	4611	2641	2667
80°	3259	2418	2480
85°	1815	2253	2378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	5.6
10°-20°	448.3	13.0
20°-30°	532.2	15.5
30°-40°	535.4	15.6
40°-50°	497.7	14.5
50°-60°	409.8	11.9
60°-70°	288.8	8.4
70°-80°	188.7	5.5
80°-90°	120.5	3.5
90°-100°	79.0	2.3
100°-110°	53.6	1.6
110°-120°	36.7	1.1
120°-130°	25.4	0.7
130°-140°	17.1	0.5
140°-150°	10.5	0.3
150°-160°	5.5	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1171.8	34.0
0°-40°	1707.3	49.6
0°-60°	2614.8	75.9
0°-90°	3212.7	93.3
90°-120°	169.4	4.9
90°-150°	222.5	6.5
90°-180°	230.0	6.7
0°-180°	3443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2160	2160	2160	2160	2160	
5°	2171	2142	2064	2025	2003	207
15°	2117	1891	1521	1330	1258	598
25°	1978	1462	969	814	780	910
35°	1693	989	657	615	612	1053
45°	1216	651	509	536	550	934
55°	698	428	393	437	451	631
65°	328	258	271	305	316	333
75°	128	134	182	215	224	139
85°	22	61	123	159	166	27
90°	0	42	99	135	141	1
95°	0	31	83	114	119	0
105°	0	22	56	79	87	0
115°	2	18	40	58	61	2
125°	2	14	32	42	45	2
135°	2	13	25	32	34	1
145°	2	9	18	25	27	1
155°	2	7	13	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°	2159.9	2159.9	2159.9	2159.9	2159.9
1°	2177.9	2168.9	2145.5	2161.7	2158.1
2°	2176.1	2167.1	2140.0	2147.3	2134.6
3°	2174.3	2161.7	2120.2	2118.4	2100.4
4°	2172.5	2152.7	2094.9	2073.3	2058.8
5°	2170.7	2141.9	2064.3	2024.6	2002.9
6°	2168.9	2129.2	2024.6	1965.0	1934.3
7°	2165.3	2109.4	1983.1	1901.9	1862.2
8°	2161.7	2091.3	1930.7	1833.3	1784.6
9°	2158.1	2067.9	1878.4	1759.3	1701.6
10°	2150.9	2044.4	1824.3	1683.5	1622.2
11°	2147.3	2017.3	1771.9	1611.4	1539.2
12°	2140.0	1988.5	1716.0	1535.6	1472.4
13°	2132.8	1957.8	1647.4	1470.6	1394.8
14°	2125.6	1925.3	1587.9	1398.4	1328.1
15°	2116.6	1891.0	1521.1	1329.9	1257.7
16°	2107.6	1851.3	1461.6	1259.5	1183.7
17°	2098.5	1813.4	1405.6	1194.5	1126.0
18°	2087.7	1775.6	1340.7	1131.4	1064.6
19°	2073.3	1732.2	1288.4	1073.6	1012.3
20°	2060.7	1692.6	1228.8	1019.5	965.4
21°	2046.2	1643.8	1169.3	969.0	914.8
22.5°	2024.6	1575.3	1093.5	905.8	855.3
23°	2013.7	1555.4	1062.8	882.4	839.1
24°	1999.3	1503.1	1012.3	846.3	803.0
25°	1977.7	1461.6	969.0	813.8	779.5
26°	1957.8	1411.1	925.7	784.9	750.6
27°	1938.0	1362.3	887.8	754.2	725.4
28°	1912.7	1311.8	846.3	729.0	703.7
29°	1885.6	1264.9	812.0	707.3	687.5
30°	1858.6	1212.6	783.1	687.5	671.2
32.5°	1782.8	1097.1	709.1	649.6	638.8
35°	1692.6	988.8	656.8	615.3	611.7
37.5°	1591.5	889.6	609.9	588.2	591.9
40°	1472.4	799.4	570.2	568.4	575.6
42.5°	1346.1	721.8	539.5	552.2	563.0
45°	1216.2	651.4	508.8	535.9	550.3
47.5°	1080.9	590.0	481.8	516.1	532.3
50°	943.7	530.5	452.9	492.6	508.8
52.5°	821.0	478.2	424.0	465.5	483.6
55°	698.3	427.6	393.4	436.7	451.1
57.5°	591.9	380.7	360.9	404.2	415.0
60°	492.6	335.6	328.4	368.1	380.7
62.5°	402.4	295.9	297.7	335.6	348.3
65°	328.4	258.0	270.7	304.9	315.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	267.1	221.9	243.6	279.7	288.7
70°	211.1	189.5	221.9	254.4	263.4
72.5°	167.8	160.6	200.3	234.6	241.8
75°	128.1	133.5	182.2	214.7	223.7
77.5°	92.0	111.9	164.2	198.5	205.7
80°	65.0	92.0	149.8	184.1	191.3
82.5°	41.5	75.8	135.3	171.4	178.6
85°	21.7	61.4	122.7	158.8	166.0
87.5°	9.0	50.5	110.1	146.2	153.4
90°	0.0	41.5	99.2	135.3	140.7
92.5°	0.0	36.1	90.2	124.5	129.9
95°	0.0	30.7	83.0	113.7	119.1
97.5°	0.0	28.9	74.0	104.7	110.1
100°	0.0	25.3	66.8	95.6	102.9
102.5°	0.0	23.5	61.4	86.6	93.8
105°	0.0	21.7	55.9	79.4	86.6
107.5°	0.0	19.8	52.3	74.0	79.4
110°	0.0	19.8	46.9	68.6	74.0
112.5°	1.8	18.0	43.3	61.4	66.8
115°	1.8	18.0	39.7	57.7	61.4
117.5°	1.8	18.0	37.9	52.3	55.9
120°	1.8	16.2	36.1	48.7	52.3
122.5°	1.8	16.2	34.3	45.1	46.9
125°	1.8	14.4	32.5	41.5	45.1
127.5°	1.8	14.4	30.7	39.7	41.5
130°	1.8	14.4	28.9	36.1	39.7
132.5°	1.8	12.6	27.1	34.3	36.1
135°	1.8	12.6	25.3	32.5	34.3
137.5°	1.8	10.8	23.5	30.7	32.5
140°	1.8	10.8	21.7	28.9	30.7
142.5°	1.8	9.0	19.8	27.1	28.9
145°	1.8	9.0	18.0	25.3	27.1
147.5°	1.8	9.0	16.2	23.5	25.3
150°	1.8	7.2	14.4	21.7	23.5
152.5°	1.8	7.2	12.6	19.8	21.7
155°	1.8	7.2	12.6	18.0	19.8
157.5°	1.8	5.4	10.8	14.4	18.0
160°	1.8	5.4	9.0	12.6	16.2
162.5°	1.8	5.4	9.0	10.8	12.6
165°	1.8	3.6	7.2	9.0	10.8
167.5°	1.8	3.6	5.4	7.2	9.0
170°	1.8	3.6	5.4	5.4	7.2
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)