

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: P566291

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-LC-UNV-L935-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

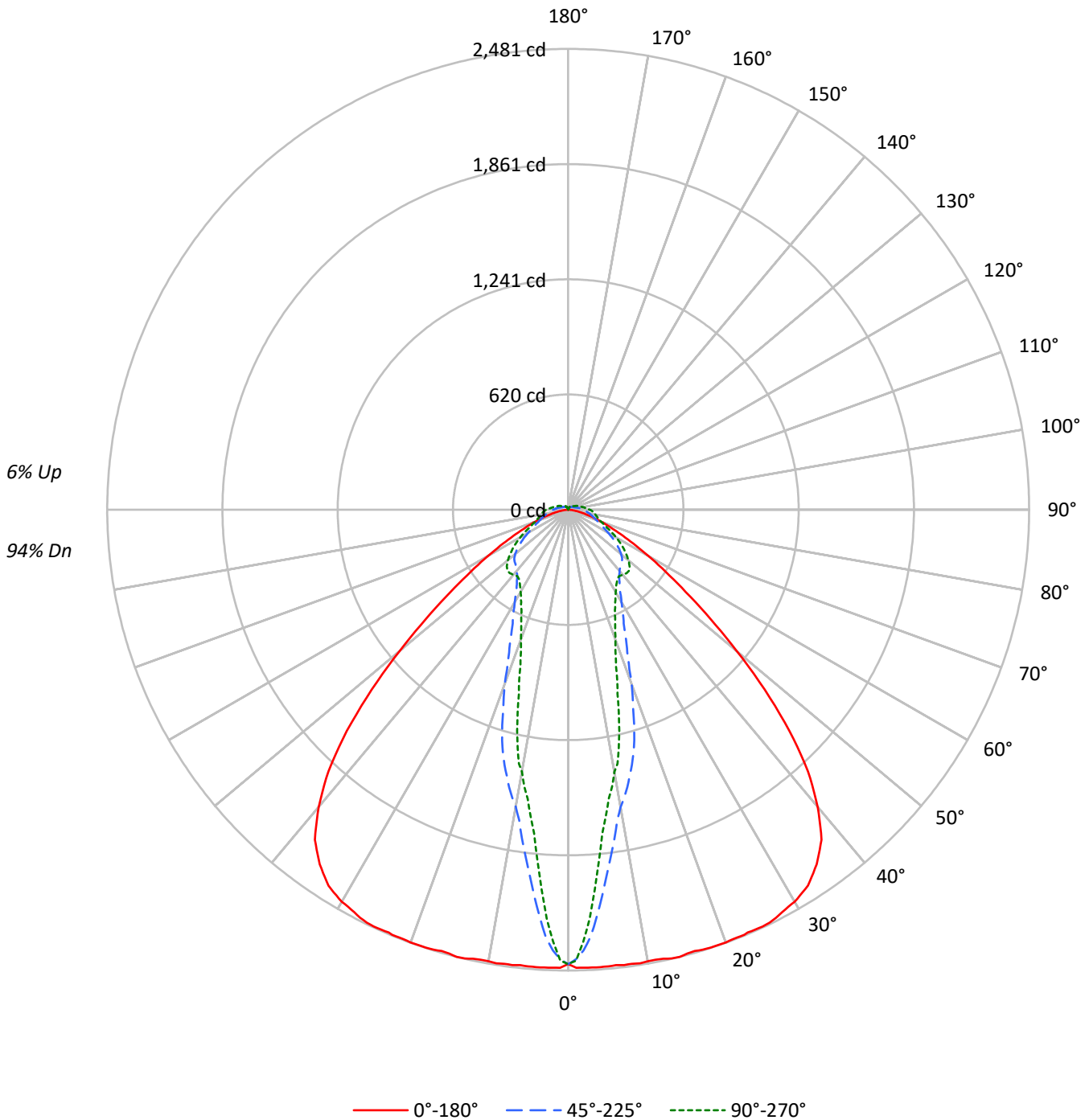
Lumens per Lamp: N/A
Luminaire Lumens: 3016.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26336	26336	26336
5°	26574	21631	19362
10°	26783	16330	14013
15°	27270	13348	9703
20°	27974	9658	6853
25°	28847	6920	5392
30°	29584	5528	4591
35°	29759	4676	4113
40°	28371	4251	4122
45°	24619	4108	4235
50°	18887	3906	3952
55°	13688	3416	3507
60°	9931	2851	2965
65°	7227	2410	2430
70°	5326	2128	2096
75°	3783	1971	1953
80°	2482	1846	1924
85°	1163	1759	1927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	6.4
10°-20°	417.8	13.9
20°-30°	478.3	15.9
30°-40°	479.1	15.9
40°-50°	453.6	15.0
50°-60°	347.8	11.5
60°-70°	224.2	7.4
70°-80°	143.0	4.7
80°-90°	95.0	3.1
90°-100°	63.8	2.1
100°-110°	42.0	1.4
110°-120°	29.3	1.0
120°-130°	20.4	0.7
130°-140°	14.2	0.5
140°-150°	8.7	0.3
150°-160°	4.4	0.1
160°-170°	1.7	0.1
170°-180°	0.3	0.0
0°-30°	1088.5	36.1
0°-40°	1567.7	52.0
0°-60°	2369.1	78.6
0°-90°	2831.2	93.9
90°-120°	135.1	4.5
90°-150°	178.3	5.9
90°-180°	185.0	6.1
0°-180°	3016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2447	2447	2447	2447	2447	
5°	2468	2332	2090	1949	1896	236
15°	2474	1782	1359	1116	1026	702
25°	2476	1261	719	624	595	1141
35°	2331	702	481	465	459	1446
45°	1685	444	405	448	464	1281
55°	773	317	312	351	365	711
65°	309	199	196	224	232	318
75°	105	108	136	156	164	116
85°	14	50	96	125	134	19
90°	0	34	80	111	116	1
95°	0	25	66	91	96	0
105°	0	18	43	62	66	1
115°	2	16	32	45	48	1
125°	2	14	28	32	34	1
135°	2	11	22	26	28	1
145°	2	8	16	20	22	1
155°	2	5	9	14	16	1
165°	3	3	6	8	9	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2446.7	2446.7	2446.7	2446.7	2446.7
1°	2466.8	2452.9	2420.4	2429.7	2428.2
2°	2466.8	2437.5	2374.1	2355.5	2327.7
3°	2468.4	2411.2	2303.0	2242.7	2204.1
4°	2468.4	2372.5	2197.9	2097.4	2048.0
5°	2468.4	2332.3	2089.7	1949.0	1896.5
6°	2465.3	2284.4	1979.9	1831.6	1752.7
7°	2469.9	2231.9	1881.0	1721.8	1660.0
8°	2468.4	2170.1	1789.8	1638.4	1570.4
9°	2473.0	2109.8	1690.9	1559.5	1508.5
10°	2468.4	2054.1	1626.0	1485.3	1432.8
11°	2468.4	2000.0	1579.6	1437.4	1392.6
12°	2471.5	1938.2	1528.6	1369.4	1307.6
13°	2479.2	1874.8	1469.9	1295.2	1222.6
14°	2480.7	1826.9	1415.8	1201.0	1125.2
15°	2474.5	1782.1	1358.6	1115.9	1026.3
16°	2471.5	1735.7	1290.6	1035.6	955.2
17°	2477.6	1681.6	1213.3	953.7	879.5
18°	2479.2	1632.2	1131.4	891.8	826.9
19°	2479.2	1593.5	1064.9	834.6	779.0
20°	2479.2	1556.4	996.9	791.4	743.4
21°	2476.1	1510.1	919.6	746.5	706.4
22.5°	2477.6	1423.5	831.5	694.0	661.5
23°	2473.0	1401.9	809.9	680.1	646.1
24°	2474.5	1340.1	763.5	652.3	619.8
25°	2476.1	1261.2	718.7	624.4	595.1
26°	2473.0	1197.9	681.6	598.2	578.1
27°	2465.3	1146.9	655.3	576.5	558.0
28°	2454.5	1078.8	627.5	558.0	541.0
29°	2443.6	1001.6	599.7	537.9	525.5
30°	2437.5	939.7	573.4	522.4	511.6
32.5°	2400.4	817.6	519.3	491.5	482.2
35°	2330.8	701.7	480.7	465.2	459.1
37.5°	2239.6	612.1	451.3	448.2	449.8
40°	2089.7	541.0	429.7	443.6	457.5
42.5°	1910.4	485.3	414.2	448.2	463.7
45°	1684.7	443.6	405.0	448.2	463.7
47.5°	1434.3	409.6	394.1	432.8	448.2
50°	1183.9	378.7	372.5	409.6	423.5
52.5°	962.9	349.3	344.7	380.2	394.1
55°	772.8	316.9	312.2	350.9	364.8
57.5°	619.8	285.9	281.3	316.9	330.8
60°	494.6	255.0	247.3	282.8	296.8
62.5°	394.1	225.7	221.0	251.9	264.3
65°	309.1	199.4	196.3	224.1	231.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	244.2	174.7	176.2	199.4	208.7
70°	188.6	151.5	160.7	182.4	188.6
72.5°	142.2	128.3	148.4	166.9	174.7
75°	105.1	108.2	136.0	156.1	163.8
77.5°	72.6	89.6	125.2	146.8	154.6
80°	49.5	72.6	114.4	139.1	148.4
82.5°	29.4	60.3	105.1	131.4	142.2
85°	13.9	49.5	95.8	125.2	134.5
87.5°	4.6	40.2	86.6	119.0	126.7
90°	0.0	34.0	80.4	111.3	115.9
92.5°	0.0	29.4	72.6	102.0	105.1
95°	0.0	24.7	66.5	91.2	95.8
97.5°	0.0	23.2	61.8	81.9	88.1
100°	0.0	21.6	55.6	74.2	80.4
102.5°	0.0	18.5	49.5	66.5	72.6
105°	0.0	18.5	43.3	61.8	66.5
107.5°	1.5	17.0	40.2	55.6	61.8
110°	1.5	17.0	35.5	52.6	57.2
112.5°	1.5	17.0	34.0	47.9	54.1
115°	1.5	15.5	32.5	44.8	47.9
117.5°	1.5	15.5	30.9	40.2	43.3
120°	1.5	13.9	29.4	37.1	38.6
122.5°	1.5	13.9	27.8	34.0	35.5
125°	1.5	13.9	27.8	32.5	34.0
127.5°	1.5	12.4	26.3	30.9	30.9
130°	1.5	12.4	24.7	29.4	29.4
132.5°	1.5	10.8	23.2	27.8	29.4
135°	1.5	10.8	21.6	26.3	27.8
137.5°	1.5	9.3	20.1	24.7	26.3
140°	1.5	9.3	18.5	23.2	24.7
142.5°	1.5	7.7	17.0	21.6	23.2
145°	1.5	7.7	15.5	20.1	21.6
147.5°	1.5	7.7	13.9	18.5	20.1
150°	1.5	6.2	12.4	17.0	18.5
152.5°	1.5	6.2	10.8	15.5	17.0
155°	1.5	4.6	9.3	13.9	15.5
157.5°	1.5	4.6	9.3	12.4	13.9
160°	3.1	4.6	7.7	10.8	12.4
162.5°	1.5	3.1	7.7	9.3	10.8
165°	3.1	3.1	6.2	7.7	9.3
167.5°	3.1	3.1	4.6	6.2	7.7
170°	3.1	3.1	4.6	4.6	6.2
172.5°	3.1	3.1	3.1	4.6	3.1
175°	3.1	3.1	3.1	3.1	1.5
177.5°	3.1	3.1	3.1	3.1	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)