

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: P566290

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566290
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-L930-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

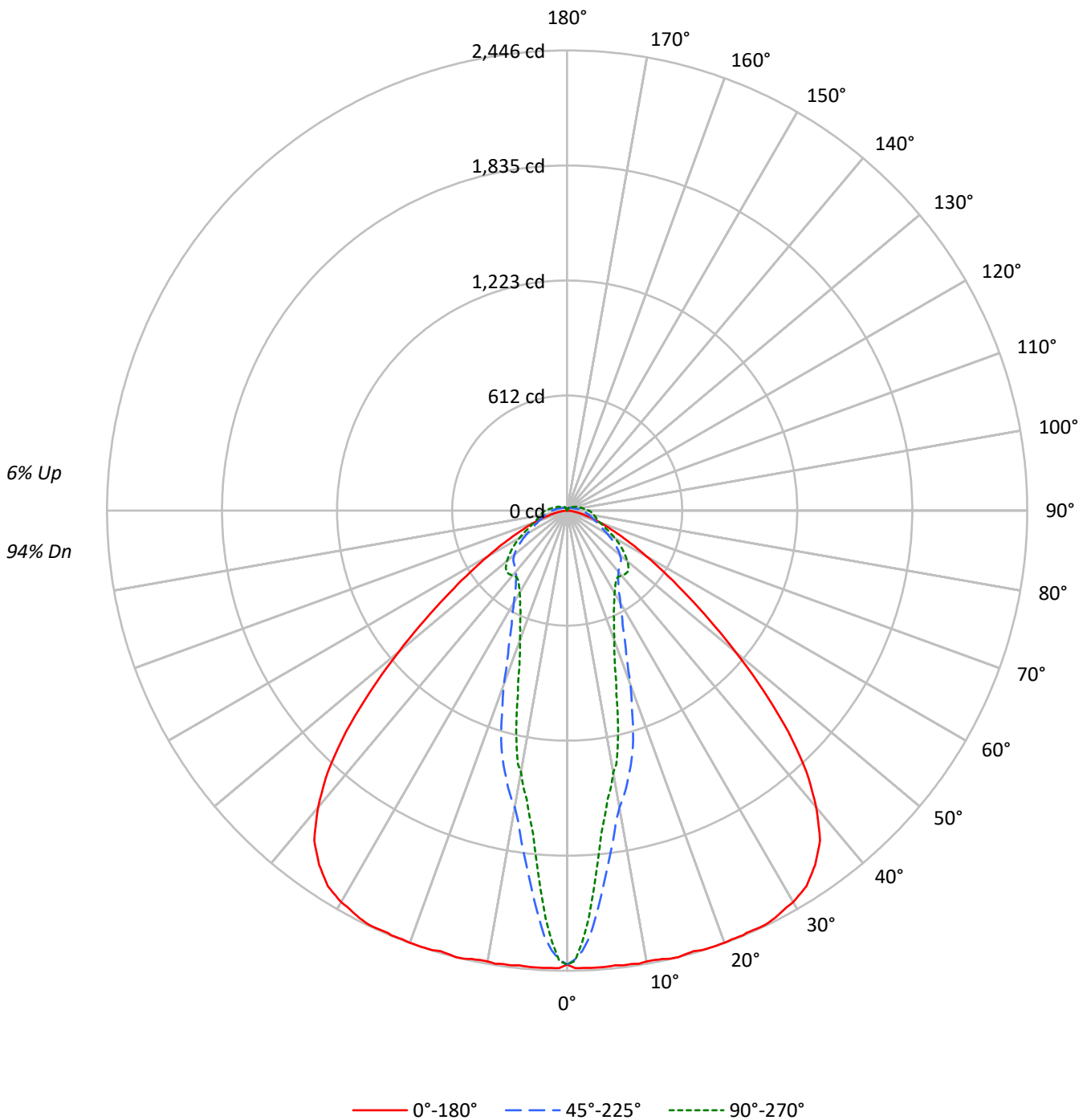
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2974.0 lumens
Efficiency: N/A
Efficacy: 140.9 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 (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

TEST NUMBER: P566290
CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566290

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

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°	25970	25970	25970
5°	26204	21330	19093
10°	26410	16103	13818
15°	26891	13163	9568
20°	27585	9524	6758
25°	28445	6823	5316
30°	29172	5451	4528
35°	29344	4611	4055
40°	27976	4192	4065
45°	24278	4050	4176
50°	18626	3852	3897
55°	13499	3369	3458
60°	9792	2812	2923
65°	7126	2377	2396
70°	5250	2099	2066
75°	3729	1944	1927
80°	2447	1821	1897
85°	1146	1735	1900



TEST NUMBER: P566290

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	6.4
10°-20°	412.0	13.9
20°-30°	471.6	15.9
30°-40°	472.5	15.9
40°-50°	447.2	15.0
50°-60°	343.0	11.5
60°-70°	221.1	7.4
70°-80°	141.0	4.7
80°-90°	93.6	3.1
90°-100°	62.9	2.1
100°-110°	41.5	1.4
110°-120°	28.8	1.0
120°-130°	20.1	0.7
130°-140°	14.0	0.5
140°-150°	8.5	0.3
150°-160°	4.3	0.1
160°-170°	1.7	0.1
170°-180°	0.3	0.0
0°-30°	1073.4	36.1
0°-40°	1545.8	52.0
0°-60°	2336.1	78.6
0°-90°	2791.8	93.9
90°-120°	133.3	4.5
90°-150°	175.9	5.9
90°-180°	182.0	6.1
0°-180°	2974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2413	2413	2413	2413	2413	
5°	2434	2300	2061	1922	1870	232
15°	2440	1757	1340	1100	1012	692
25°	2442	1244	709	616	587	1126
35°	2298	692	474	459	453	1426
45°	1661	437	399	442	457	1263
55°	762	312	308	346	360	701
65°	305	197	194	221	229	314
75°	104	107	134	154	162	114
85°	14	49	94	124	133	19
90°	0	34	79	110	114	1
95°	0	24	66	90	94	0
105°	0	18	43	61	66	1
115°	2	15	32	44	47	1
125°	2	14	27	32	34	1
135°	2	11	21	26	27	1
145°	2	8	15	20	21	1
155°	2	5	9	14	15	1
165°	3	3	6	8	9	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



TEST NUMBER: P566290

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2412.7	2412.7	2412.7	2412.7	2412.7
1°	2432.5	2418.7	2386.7	2395.9	2394.4
2°	2432.5	2403.5	2341.0	2322.7	2295.3
3°	2434.0	2377.6	2270.9	2211.5	2173.4
4°	2434.0	2339.5	2167.3	2068.2	2019.4
5°	2434.0	2299.9	2060.6	1921.9	1870.1
6°	2430.9	2252.6	1952.4	1806.1	1728.3
7°	2435.5	2200.8	1854.8	1697.8	1636.9
8°	2434.0	2139.8	1764.9	1615.5	1548.5
9°	2438.6	2080.4	1667.4	1537.8	1487.5
10°	2434.0	2025.5	1603.4	1464.7	1412.8
11°	2434.0	1972.2	1557.6	1417.4	1373.2
12°	2437.0	1911.2	1507.3	1350.4	1289.4
13°	2444.7	1848.7	1449.4	1277.2	1205.6
14°	2446.2	1801.5	1396.1	1184.2	1109.5
15°	2440.1	1757.3	1339.7	1100.4	1012.0
16°	2437.0	1711.6	1272.6	1021.1	941.9
17°	2443.1	1658.2	1196.4	940.4	867.2
18°	2444.7	1609.5	1115.6	879.4	815.4
19°	2444.7	1571.3	1050.1	823.0	768.1
20°	2444.7	1534.8	983.0	780.3	733.1
21°	2441.6	1489.0	906.8	736.1	696.5
22.5°	2443.1	1403.7	820.0	684.3	652.3
23°	2438.6	1382.4	798.6	670.6	637.1
24°	2440.1	1321.4	752.9	643.2	611.2
25°	2441.6	1243.7	708.7	615.7	586.8
26°	2438.6	1181.2	672.1	589.8	570.0
27°	2430.9	1130.9	646.2	568.5	550.2
28°	2420.3	1063.8	618.8	550.2	533.4
29°	2409.6	987.6	591.4	530.4	518.2
30°	2403.5	926.7	565.4	515.1	504.5
32.5°	2366.9	806.2	512.1	484.7	475.5
35°	2298.3	691.9	474.0	458.8	452.7
37.5°	2208.4	603.5	445.0	442.0	443.5
40°	2060.6	533.4	423.7	437.4	451.1
42.5°	1883.8	478.6	408.5	442.0	457.2
45°	1661.3	437.4	399.3	442.0	457.2
47.5°	1414.4	403.9	388.6	426.7	442.0
50°	1167.5	373.4	367.3	403.9	417.6
52.5°	949.5	344.4	339.9	374.9	388.6
55°	762.1	312.4	307.9	346.0	359.7
57.5°	611.2	282.0	277.4	312.4	326.2
60°	487.7	251.5	243.9	278.9	292.6
62.5°	388.6	222.5	217.9	248.4	260.6
65°	304.8	196.6	193.6	221.0	228.6



TEST NUMBER: P566290

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	240.8	172.2	173.7	196.6	205.8
70°	185.9	149.4	158.5	179.8	185.9
72.5°	140.2	126.5	146.3	164.6	172.2
75°	103.6	106.7	134.1	153.9	161.6
77.5°	71.6	88.4	123.5	144.8	152.4
80°	48.8	71.6	112.8	137.2	146.3
82.5°	29.0	59.4	103.6	129.5	140.2
85°	13.7	48.8	94.5	123.5	132.6
87.5°	4.6	39.6	85.3	117.4	125.0
90°	0.0	33.5	79.3	109.7	114.3
92.5°	0.0	29.0	71.6	100.6	103.6
95°	0.0	24.4	65.5	89.9	94.5
97.5°	0.0	22.9	61.0	80.8	86.9
100°	0.0	21.3	54.9	73.2	79.3
102.5°	0.0	18.3	48.8	65.5	71.6
105°	0.0	18.3	42.7	61.0	65.5
107.5°	1.5	16.8	39.6	54.9	61.0
110°	1.5	16.8	35.1	51.8	56.4
112.5°	1.5	16.8	33.5	47.2	53.3
115°	1.5	15.2	32.0	44.2	47.2
117.5°	1.5	15.2	30.5	39.6	42.7
120°	1.5	13.7	29.0	36.6	38.1
122.5°	1.5	13.7	27.4	33.5	35.1
125°	1.5	13.7	27.4	32.0	33.5
127.5°	1.5	12.2	25.9	30.5	30.5
130°	1.5	12.2	24.4	29.0	29.0
132.5°	1.5	10.7	22.9	27.4	29.0
135°	1.5	10.7	21.3	25.9	27.4
137.5°	1.5	9.1	19.8	24.4	25.9
140°	1.5	9.1	18.3	22.9	24.4
142.5°	1.5	7.6	16.8	21.3	22.9
145°	1.5	7.6	15.2	19.8	21.3
147.5°	1.5	7.6	13.7	18.3	19.8
150°	1.5	6.1	12.2	16.8	18.3
152.5°	1.5	6.1	10.7	15.2	16.8
155°	1.5	4.6	9.1	13.7	15.2
157.5°	1.5	4.6	9.1	12.2	13.7
160°	3.0	4.6	7.6	10.7	12.2
162.5°	1.5	3.0	7.6	9.1	10.7
165°	3.0	3.0	6.1	7.6	9.1
167.5°	3.0	3.0	4.6	6.1	7.6
170°	3.0	3.0	4.6	4.6	6.1
172.5°	3.0	3.0	3.0	4.6	3.0
175°	3.0	3.0	3.0	3.0	1.5
177.5°	3.0	3.0	3.0	3.0	1.5



TEST NUMBER: P566290

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)