

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: P566293

Luminaire Tested: **4SNX-33SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566293  
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-L950-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

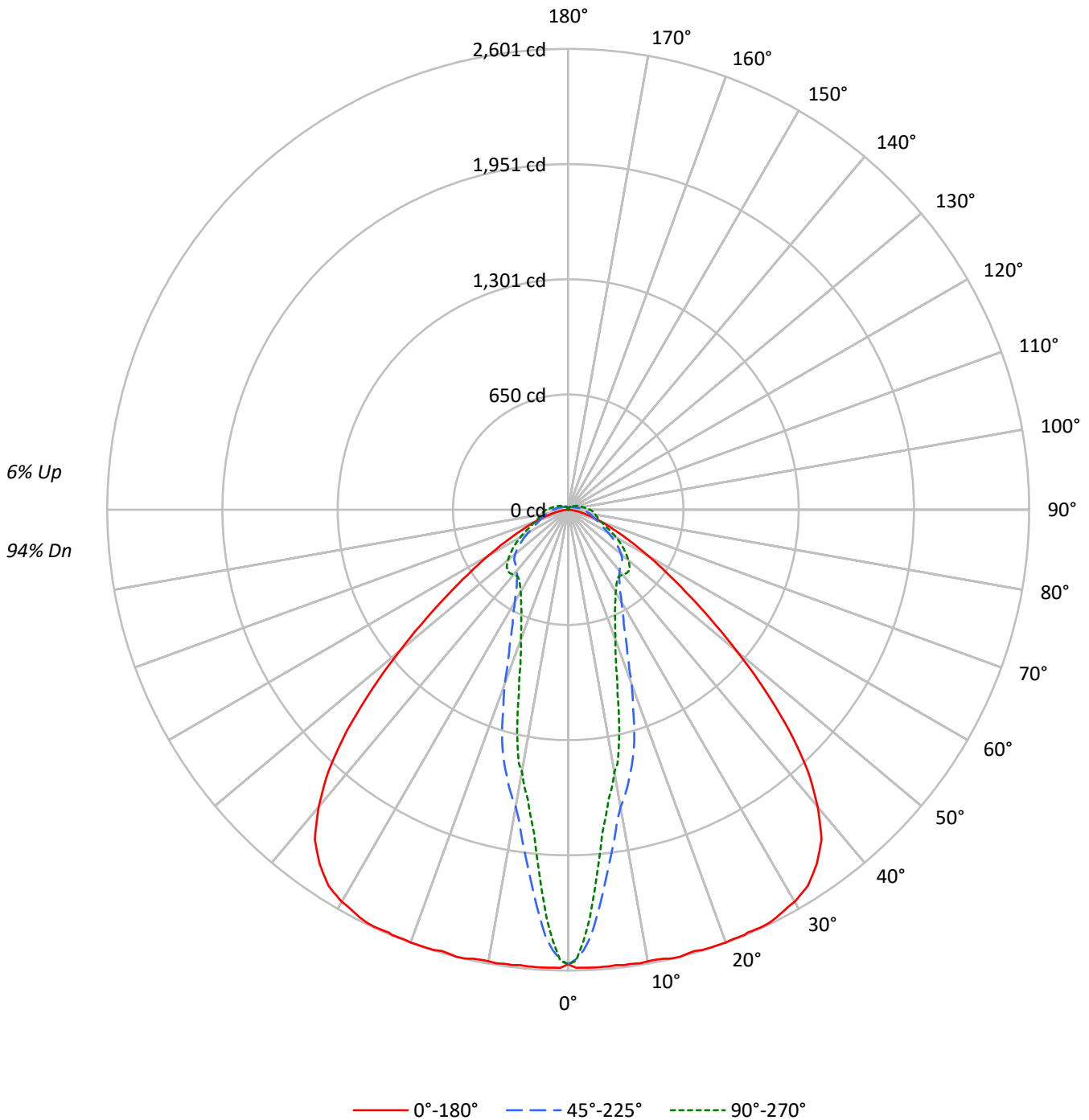
Lumens per Lamp: N/A  
Luminaire Lumens: 3162.0 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 21.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-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°	27612	27612	27612
5°	27861	22678	20300
10°	28079	17120	14692
15°	28591	13995	10173
20°	29328	10126	7184
25°	30244	7255	5653
30°	31015	5796	4814
35°	31199	4903	4312
40°	29744	4457	4322
45°	25812	4306	4440
50°	19803	4095	4143
55°	14351	3581	3676
60°	10411	2989	3108
65°	7578	2527	2548
70°	5583	2232	2197
75°	3966	2067	2048
80°	2602	1935	2017
85°	1221	1846	2020



TEST NUMBER: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.7	6.4
10°-20°	438.1	13.9
20°-30°	501.4	15.9
30°-40°	502.3	15.9
40°-50°	475.5	15.0
50°-60°	364.7	11.5
60°-70°	235.1	7.4
70°-80°	149.9	4.7
80°-90°	99.5	3.1
90°-100°	66.9	2.1
100°-110°	44.1	1.4
110°-120°	30.7	1.0
120°-130°	21.4	0.7
130°-140°	14.8	0.5
140°-150°	9.1	0.3
150°-160°	4.6	0.1
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1141.2	36.1
0°-40°	1643.6	52.0
0°-60°	2483.8	78.6
0°-90°	2968.3	93.9
90°-120°	141.7	4.5
90°-150°	187.0	5.9
90°-180°	194.0	6.1
0°-180°	3162.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2565	2565	2565	2565	2565	
5°	2588	2445	2191	2043	1988	247
15°	2594	1868	1424	1170	1076	736
25°	2596	1322	754	655	624	1197
35°	2444	736	504	488	481	1516
45°	1766	465	425	470	486	1343
55°	810	332	327	368	382	745
65°	324	209	206	235	243	333
75°	110	113	143	164	172	121
85°	15	52	100	131	141	20
90°	0	36	84	117	122	1
95°	0	26	70	96	100	0
105°	0	19	45	65	70	1
115°	2	16	34	47	50	2
125°	2	15	29	34	36	1
135°	2	11	23	28	29	1
145°	2	8	16	21	23	1
155°	2	5	10	15	16	1
165°	3	3	6	8	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



TEST NUMBER: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2565.2	2565.2	2565.2	2565.2	2565.2
1°	2586.2	2571.6	2537.6	2547.3	2545.7
2°	2586.2	2555.4	2489.0	2469.6	2440.4
3°	2587.9	2527.9	2414.5	2351.3	2310.8
4°	2587.9	2487.4	2304.3	2198.9	2147.1
5°	2587.9	2445.3	2190.8	2043.4	1988.3
6°	2584.6	2395.0	2075.8	1920.2	1837.6
7°	2589.5	2339.9	1972.1	1805.2	1740.4
8°	2587.9	2275.1	1876.5	1717.7	1646.4
9°	2592.7	2211.9	1772.8	1635.0	1581.6
10°	2587.9	2153.6	1704.7	1557.2	1502.2
11°	2587.9	2096.9	1656.1	1507.0	1460.0
12°	2591.1	2032.0	1602.6	1435.7	1370.9
13°	2599.2	1965.6	1541.0	1357.9	1281.8
14°	2600.8	1915.4	1484.3	1259.1	1179.7
15°	2594.3	1868.4	1424.4	1170.0	1076.0
16°	2591.1	1819.8	1353.1	1085.7	1001.4
17°	2597.6	1763.0	1272.1	999.8	922.0
18°	2599.2	1711.2	1186.2	935.0	866.9
19°	2599.2	1670.7	1116.5	875.0	816.7
20°	2599.2	1631.8	1045.2	829.7	779.4
21°	2596.0	1583.2	964.2	782.7	740.5
22.5°	2597.6	1492.4	871.8	727.6	693.6
23°	2592.7	1469.7	849.1	713.0	677.3
24°	2594.3	1404.9	800.5	683.8	649.8
25°	2596.0	1322.3	753.5	654.7	623.9
26°	2592.7	1255.8	714.6	627.1	606.0
27°	2584.6	1202.4	687.1	604.4	585.0
28°	2573.3	1131.1	657.9	585.0	567.2
29°	2561.9	1050.0	628.7	563.9	551.0
30°	2555.4	985.2	601.2	547.7	536.4
32.5°	2516.6	857.2	544.5	515.3	505.6
35°	2443.6	735.7	504.0	487.8	481.3
37.5°	2348.0	641.7	473.2	469.9	471.6
40°	2190.8	567.2	450.5	465.1	479.7
42.5°	2002.9	508.8	434.3	469.9	486.1
45°	1766.3	465.1	424.6	469.9	486.1
47.5°	1503.8	429.4	413.2	453.7	469.9
50°	1241.3	397.0	390.5	429.4	444.0
52.5°	1009.5	366.2	361.4	398.6	413.2
55°	810.2	332.2	327.3	367.8	382.4
57.5°	649.8	299.8	294.9	332.2	346.8
60°	518.5	267.4	259.3	296.5	311.1
62.5°	413.2	236.6	231.7	264.1	277.1
65°	324.1	209.0	205.8	235.0	243.1



TEST NUMBER: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	256.0	183.1	184.7	209.0	218.8
70°	197.7	158.8	168.5	191.2	197.7
72.5°	149.1	134.5	155.6	175.0	183.1
75°	110.2	113.4	142.6	163.7	171.8
77.5°	76.2	94.0	131.3	153.9	162.0
80°	51.9	76.2	119.9	145.8	155.6
82.5°	30.8	63.2	110.2	137.7	149.1
85°	14.6	51.9	100.5	131.3	141.0
87.5°	4.9	42.1	90.7	124.8	132.9
90°	0.0	35.6	84.3	116.7	121.5
92.5°	0.0	30.8	76.2	106.9	110.2
95°	0.0	25.9	69.7	95.6	100.5
97.5°	0.0	24.3	64.8	85.9	92.4
100°	0.0	22.7	58.3	77.8	84.3
102.5°	0.0	19.4	51.9	69.7	76.2
105°	0.0	19.4	45.4	64.8	69.7
107.5°	1.6	17.8	42.1	58.3	64.8
110°	1.6	17.8	37.3	55.1	60.0
112.5°	1.6	17.8	35.6	50.2	56.7
115°	1.6	16.2	34.0	47.0	50.2
117.5°	1.6	16.2	32.4	42.1	45.4
120°	1.6	14.6	30.8	38.9	40.5
122.5°	1.6	14.6	29.2	35.6	37.3
125°	1.6	14.6	29.2	34.0	35.6
127.5°	1.6	13.0	27.5	32.4	32.4
130°	1.6	13.0	25.9	30.8	30.8
132.5°	1.6	11.3	24.3	29.2	30.8
135°	1.6	11.3	22.7	27.5	29.2
137.5°	1.6	9.7	21.1	25.9	27.5
140°	1.6	9.7	19.4	24.3	25.9
142.5°	1.6	8.1	17.8	22.7	24.3
145°	1.6	8.1	16.2	21.1	22.7
147.5°	1.6	8.1	14.6	19.4	21.1
150°	1.6	6.5	13.0	17.8	19.4
152.5°	1.6	6.5	11.3	16.2	17.8
155°	1.6	4.9	9.7	14.6	16.2
157.5°	1.6	4.9	9.7	13.0	14.6
160°	3.2	4.9	8.1	11.3	13.0
162.5°	1.6	3.2	8.1	9.7	11.3
165°	3.2	3.2	6.5	8.1	9.7
167.5°	3.2	3.2	4.9	6.5	8.1
170°	3.2	3.2	4.9	4.9	6.5
172.5°	3.2	3.2	3.2	4.9	3.2
175°	3.2	3.2	3.2	3.2	1.6
177.5°	3.2	3.2	3.2	3.2	1.6



TEST NUMBER: P566293

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)