

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: P566634

Luminaire Tested: **4SNX-60SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566634
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-60SL-LN-UNV-L930-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

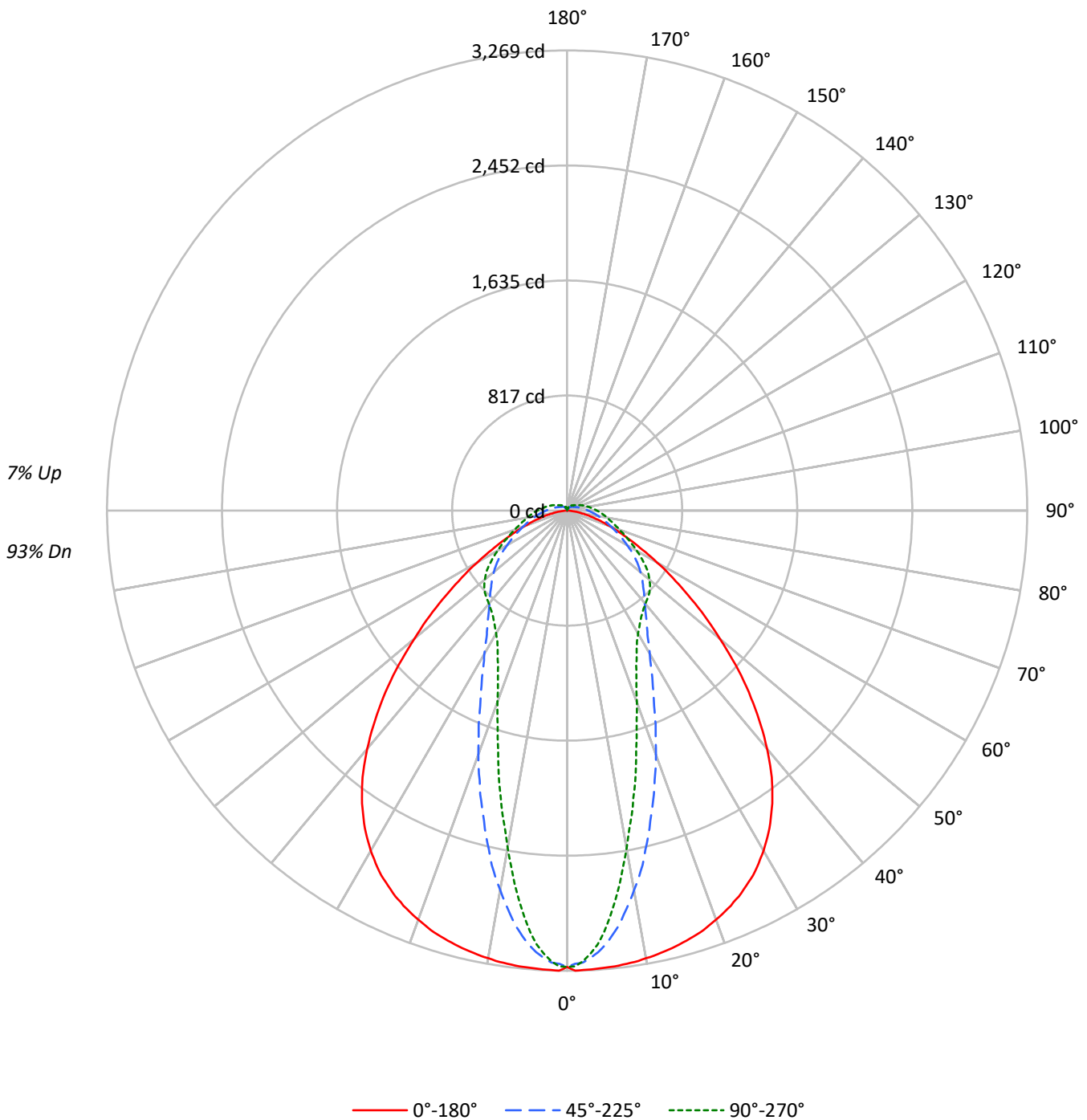
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5168.0 lumens
Efficiency: N/A
Efficacy: 123.0 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): 42
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°	34897	34897	34897
5°	35078	32074	30694
10°	35030	27501	23814
15°	35012	22432	17849
20°	34901	17870	13357
25°	34584	14003	10601
30°	33859	11333	9043
35°	32437	9591	8226
40°	30006	8468	7785
45°	26677	7747	7545
50°	22598	7129	7127
55°	18566	6459	6509
60°	14846	5682	5710
65°	11524	4989	4969
70°	8949	4412	4395
75°	6921	3966	4005
80°	4889	3628	3722
85°	2719	3383	3570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	5.6
10°-20°	673.0	13.0
20°-30°	798.8	15.5
30°-40°	803.7	15.6
40°-50°	747.1	14.5
50°-60°	615.2	11.9
60°-70°	433.5	8.4
70°-80°	283.2	5.5
80°-90°	180.8	3.5
90°-100°	118.6	2.3
100°-110°	80.5	1.6
110°-120°	55.2	1.1
120°-130°	38.2	0.7
130°-140°	25.7	0.5
140°-150°	15.8	0.3
150°-160°	8.2	0.2
160°-170°	3.0	0.1
170°-180°	0.5	0.0
0°-30°	1758.9	34.0
0°-40°	2562.6	49.6
0°-60°	3924.9	75.9
0°-90°	4822.4	93.3
90°-120°	254.2	4.9
90°-150°	333.9	6.5
90°-180°	346.0	6.7
0°-180°	5168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3242	3242	3242	3242	3242	
5°	3258	3215	3098	3039	3006	310
15°	3177	2838	2283	1996	1888	897
25°	2968	2194	1454	1222	1170	1366
35°	2540	1484	986	924	918	1580
45°	1826	978	764	804	826	1401
55°	1048	642	590	656	677	947
65°	493	387	406	458	474	500
75°	192	200	274	322	336	208
85°	32	92	184	238	249	41
90°	0	62	149	203	211	2
95°	0	46	125	171	179	0
105°	0	32	84	119	130	0
115°	3	27	60	87	92	2
125°	3	22	49	62	68	2
135°	3	19	38	49	52	2
145°	3	14	27	38	41	2
155°	3	11	19	27	30	1
165°	3	5	11	14	16	1
175°	5	5	5	5	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-60SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3242.0	3242.0	3242.0	3242.0	3242.0
1°	3269.1	3255.6	3220.4	3244.7	3239.3
2°	3266.4	3252.9	3212.2	3223.1	3204.1
3°	3263.7	3244.7	3182.5	3179.7	3152.7
4°	3261.0	3231.2	3144.5	3112.0	3090.4
5°	3258.3	3215.0	3098.5	3038.9	3006.4
6°	3255.6	3196.0	3038.9	2949.5	2903.5
7°	3250.2	3166.2	2976.6	2854.7	2795.1
8°	3244.7	3139.1	2898.1	2751.8	2678.7
9°	3239.3	3103.9	2819.5	2640.8	2554.1
10°	3228.5	3068.7	2738.3	2527.0	2434.9
11°	3223.1	3028.1	2659.7	2418.7	2310.3
12°	3212.2	2984.7	2575.8	2304.9	2210.1
13°	3201.4	2938.7	2472.8	2207.4	2093.6
14°	3190.6	2889.9	2383.5	2099.1	1993.4
15°	3177.0	2838.5	2283.2	1996.1	1887.8
16°	3163.5	2778.9	2193.9	1890.5	1776.8
17°	3150.0	2722.0	2109.9	1793.0	1690.1
18°	3133.7	2665.1	2012.4	1698.2	1598.0
19°	3112.0	2600.1	1933.8	1611.5	1519.5
20°	3093.1	2540.5	1844.5	1530.3	1449.0
21°	3071.4	2467.4	1755.1	1454.4	1373.2
22.5°	3038.9	2364.5	1641.3	1359.7	1283.8
23°	3022.7	2334.7	1595.3	1324.4	1259.4
24°	3001.0	2256.2	1519.5	1270.3	1205.3
25°	2968.5	2193.9	1454.4	1221.5	1170.1
26°	2938.7	2118.0	1389.4	1178.2	1126.7
27°	2908.9	2044.9	1332.6	1132.1	1088.8
28°	2871.0	1969.1	1270.3	1094.2	1056.3
29°	2830.4	1898.6	1218.8	1061.7	1031.9
30°	2789.7	1820.1	1175.5	1031.9	1007.6
32.5°	2676.0	1646.8	1064.4	975.0	958.8
35°	2540.5	1484.2	985.9	923.6	918.2
37.5°	2388.9	1335.3	915.5	883.0	888.4
40°	2210.1	1199.9	855.9	853.2	864.0
42.5°	2020.5	1083.4	809.8	828.8	845.0
45°	1825.5	977.8	763.8	804.4	826.1
47.5°	1622.4	885.7	723.2	774.6	799.0
50°	1416.5	796.3	679.8	739.4	763.8
52.5°	1232.4	717.7	636.5	698.8	725.9
55°	1048.2	641.9	590.4	655.5	677.1
57.5°	888.4	571.5	541.7	606.7	622.9
60°	739.4	503.8	492.9	552.5	571.5
62.5°	604.0	444.2	446.9	503.8	522.7
65°	492.9	387.3	406.3	457.7	474.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	400.9	333.1	365.6	419.8	433.4
70°	316.9	284.4	333.1	381.9	395.4
72.5°	251.9	241.1	300.6	352.1	362.9
75°	192.3	200.4	273.6	322.3	335.9
77.5°	138.1	167.9	246.5	297.9	308.8
80°	97.5	138.1	224.8	276.3	287.1
82.5°	62.3	113.8	203.1	257.3	268.1
85°	32.5	92.1	184.2	238.3	249.2
87.5°	13.5	75.8	165.2	219.4	230.2
90°	0.0	62.3	149.0	203.1	211.3
92.5°	0.0	54.2	135.4	186.9	195.0
95°	0.0	46.0	124.6	170.6	178.8
97.5°	0.0	43.3	111.0	157.1	165.2
100°	0.0	37.9	100.2	143.5	154.4
102.5°	0.0	35.2	92.1	130.0	140.8
105°	0.0	32.5	84.0	119.2	130.0
107.5°	0.0	29.8	78.5	111.0	119.2
110°	0.0	29.8	70.4	102.9	111.0
112.5°	2.7	27.1	65.0	92.1	100.2
115°	2.7	27.1	59.6	86.7	92.1
117.5°	2.7	27.1	56.9	78.5	84.0
120°	2.7	24.4	54.2	73.1	78.5
122.5°	2.7	24.4	51.5	67.7	70.4
125°	2.7	21.7	48.8	62.3	67.7
127.5°	2.7	21.7	46.0	59.6	62.3
130°	2.7	21.7	43.3	54.2	59.6
132.5°	2.7	19.0	40.6	51.5	54.2
135°	2.7	19.0	37.9	48.8	51.5
137.5°	2.7	16.3	35.2	46.0	48.8
140°	2.7	16.3	32.5	43.3	46.0
142.5°	2.7	13.5	29.8	40.6	43.3
145°	2.7	13.5	27.1	37.9	40.6
147.5°	2.7	13.5	24.4	35.2	37.9
150°	2.7	10.8	21.7	32.5	35.2
152.5°	2.7	10.8	19.0	29.8	32.5
155°	2.7	10.8	19.0	27.1	29.8
157.5°	2.7	8.1	16.3	21.7	27.1
160°	2.7	8.1	13.5	19.0	24.4
162.5°	2.7	8.1	13.5	16.3	19.0
165°	2.7	5.4	10.8	13.5	16.3
167.5°	2.7	5.4	8.1	10.8	13.5
170°	2.7	5.4	8.1	8.1	10.8
172.5°	2.7	5.4	5.4	5.4	5.4
175°	5.4	5.4	5.4	5.4	2.7
177.5°	5.4	5.4	5.4	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)