

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: P566682

Luminaire Tested: **4SNX-63SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566682  
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-63SL-LN-UNV-L930-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

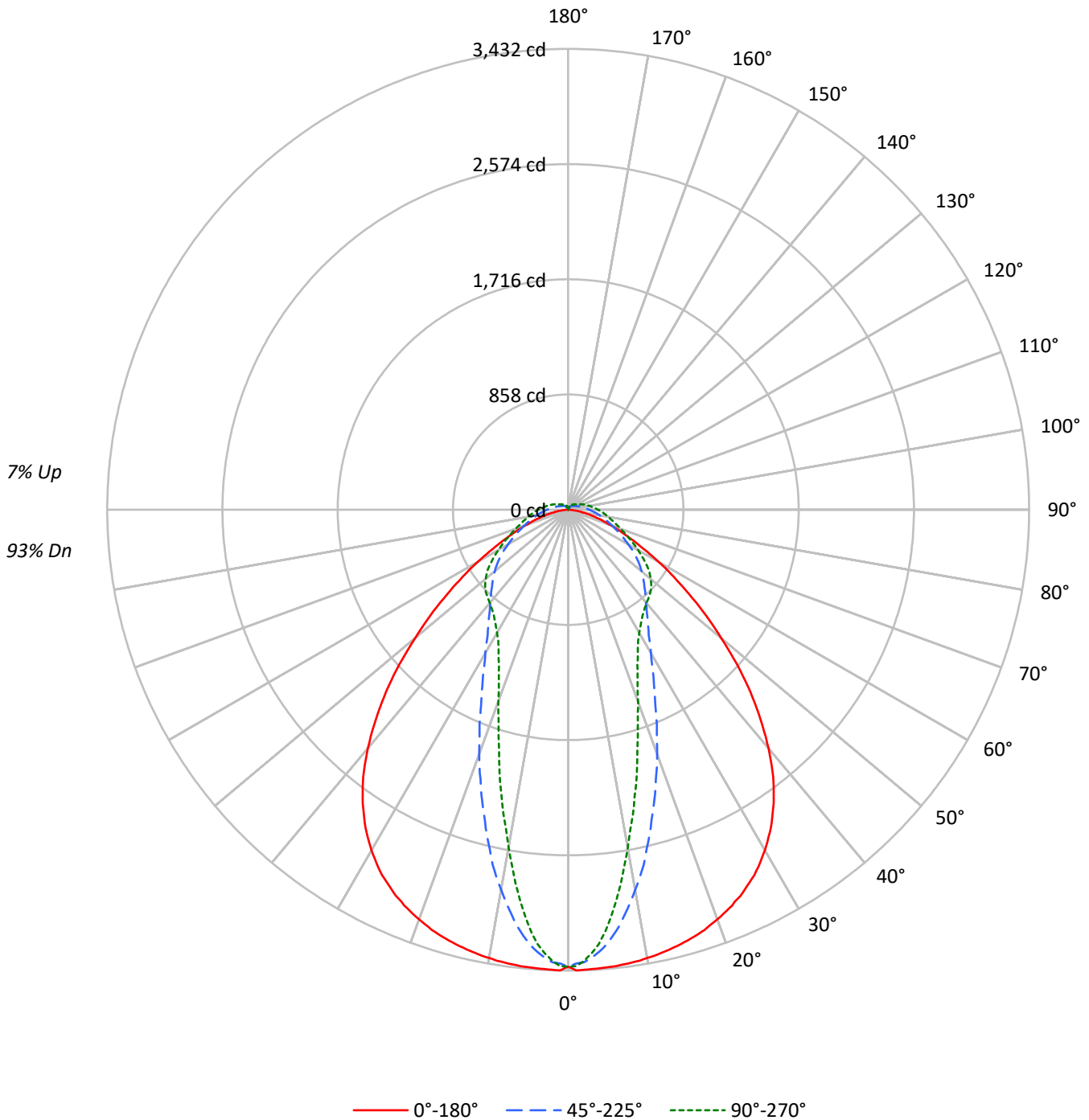
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5425.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 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): 44.4  
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

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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	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°	36633	36633	36633
5°	36822	33669	32220
10°	36771	28868	24998
15°	36754	23549	18736
20°	36637	18759	14021
25°	36304	14700	11128
30°	35544	11896	9493
35°	34050	10068	8634
40°	31498	8888	8173
45°	28004	8132	7920
50°	23723	7483	7482
55°	19489	6781	6833
60°	15585	5965	5994
65°	12099	5237	5216
70°	9392	4632	4613
75°	7267	4163	4204
80°	5134	3809	3908
85°	2853	3550	3748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.4	5.6
10°-20°	706.4	13.0
20°-30°	838.6	15.5
30°-40°	843.7	15.6
40°-50°	784.2	14.5
50°-60°	645.8	11.9
60°-70°	455.0	8.4
70°-80°	297.3	5.5
80°-90°	189.8	3.5
90°-100°	124.5	2.3
100°-110°	84.5	1.6
110°-120°	57.9	1.1
120°-130°	40.1	0.7
130°-140°	27.0	0.5
140°-150°	16.6	0.3
150°-160°	8.6	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1846.4	34.0
0°-40°	2690.1	49.6
0°-60°	4120.1	75.9
0°-90°	5062.2	93.3
90°-120°	266.9	4.9
90°-150°	350.5	6.5
90°-180°	363.0	6.7
0°-180°	5425.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3403	3403	3403	3403	3403	
5°	3420	3375	3253	3190	3156	326
15°	3335	2980	2397	2095	1982	942
25°	3116	2303	1527	1282	1228	1434
35°	2667	1558	1035	970	964	1659
45°	1916	1026	802	844	867	1471
55°	1100	674	620	688	711	994
65°	518	407	426	480	498	525
75°	202	210	287	338	353	218
85°	34	97	193	250	262	43
90°	0	65	156	213	222	2
95°	0	48	131	179	188	0
105°	0	34	88	125	136	0
115°	3	28	62	91	97	2
125°	3	23	51	65	71	3
135°	3	20	40	51	54	2
145°	3	14	28	40	43	2
155°	3	11	20	28	31	1
165°	3	6	11	14	17	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3403.3	3403.3	3403.3	3403.3	3403.3
1°	3431.7	3417.5	3380.5	3406.1	3400.4
2°	3428.9	3414.6	3372.0	3383.4	3363.5
3°	3426.0	3406.1	3340.7	3337.9	3309.4
4°	3423.2	3391.9	3300.9	3266.8	3244.0
5°	3420.3	3374.8	3252.6	3190.0	3155.9
6°	3417.5	3354.9	3190.0	3096.2	3047.9
7°	3411.8	3323.7	3124.6	2996.7	2934.1
8°	3406.1	3295.2	3042.2	2888.7	2811.9
9°	3400.4	3258.3	2959.7	2772.1	2681.1
10°	3389.0	3221.3	2874.4	2652.7	2556.0
11°	3383.4	3178.7	2792.0	2538.9	2425.2
12°	3372.0	3133.2	2703.8	2419.5	2320.0
13°	3360.6	3084.8	2595.8	2317.2	2197.8
14°	3349.2	3033.7	2502.0	2203.5	2092.6
15°	3335.0	2979.6	2396.8	2095.4	1981.7
16°	3320.8	2917.1	2303.0	1984.5	1865.1
17°	3306.6	2857.4	2214.8	1882.2	1774.1
18°	3289.5	2797.7	2112.5	1782.7	1677.5
19°	3266.8	2729.4	2030.0	1691.7	1595.0
20°	3246.9	2666.9	1936.2	1606.4	1521.1
21°	3224.1	2590.1	1842.4	1526.8	1441.5
22.5°	3190.0	2482.1	1723.0	1427.3	1347.7
23°	3173.0	2450.8	1674.6	1390.3	1322.1
24°	3150.2	2368.4	1595.0	1333.4	1265.2
25°	3116.1	2303.0	1526.8	1282.3	1228.2
26°	3084.8	2223.4	1458.5	1236.8	1182.8
27°	3053.6	2146.6	1398.8	1188.4	1143.0
28°	3013.8	2067.0	1333.4	1148.6	1108.8
29°	2971.1	1993.1	1279.4	1114.5	1083.2
30°	2928.5	1910.6	1233.9	1083.2	1057.7
32.5°	2809.0	1728.6	1117.4	1023.5	1006.5
35°	2666.9	1558.1	1034.9	969.5	963.8
37.5°	2507.7	1401.7	961.0	926.9	932.6
40°	2320.0	1259.5	898.4	895.6	907.0
42.5°	2121.0	1137.3	850.1	870.0	887.1
45°	1916.3	1026.4	801.8	844.4	867.2
47.5°	1703.1	929.7	759.1	813.1	838.7
50°	1487.0	835.9	713.6	776.2	801.8
52.5°	1293.6	753.4	668.1	733.5	762.0
55°	1100.3	673.8	619.8	688.0	710.8
57.5°	932.6	599.9	568.6	636.9	653.9
60°	776.2	528.8	517.5	580.0	599.9
62.5°	634.0	466.3	469.1	528.8	548.7
65°	517.5	406.6	426.5	480.5	497.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	420.8	349.7	383.8	440.7	454.9
70°	332.6	298.5	349.7	400.9	415.1
72.5°	264.4	253.0	315.6	369.6	381.0
75°	201.9	210.4	287.2	338.3	352.6
77.5°	145.0	176.3	258.7	312.7	324.1
80°	102.4	145.0	236.0	290.0	301.4
82.5°	65.4	119.4	213.2	270.1	281.5
85°	34.1	96.7	193.3	250.2	261.6
87.5°	14.2	79.6	173.4	230.3	241.7
90°	0.0	65.4	156.4	213.2	221.8
92.5°	0.0	56.9	142.2	196.2	204.7
95°	0.0	48.3	130.8	179.1	187.6
97.5°	0.0	45.5	116.6	164.9	173.4
100°	0.0	39.8	105.2	150.7	162.1
102.5°	0.0	37.0	96.7	136.5	147.8
105°	0.0	34.1	88.1	125.1	136.5
107.5°	0.0	31.3	82.5	116.6	125.1
110°	0.0	31.3	73.9	108.0	116.6
112.5°	2.8	28.4	68.2	96.7	105.2
115°	2.8	28.4	62.5	91.0	96.7
117.5°	2.8	28.4	59.7	82.5	88.1
120°	2.8	25.6	56.9	76.8	82.5
122.5°	2.8	25.6	54.0	71.1	73.9
125°	2.8	22.7	51.2	65.4	71.1
127.5°	2.8	22.7	48.3	62.5	65.4
130°	2.8	22.7	45.5	56.9	62.5
132.5°	2.8	19.9	42.6	54.0	56.9
135°	2.8	19.9	39.8	51.2	54.0
137.5°	2.8	17.1	37.0	48.3	51.2
140°	2.8	17.1	34.1	45.5	48.3
142.5°	2.8	14.2	31.3	42.6	45.5
145°	2.8	14.2	28.4	39.8	42.6
147.5°	2.8	14.2	25.6	37.0	39.8
150°	2.8	11.4	22.7	34.1	37.0
152.5°	2.8	11.4	19.9	31.3	34.1
155°	2.8	11.4	19.9	28.4	31.3
157.5°	2.8	8.5	17.1	22.7	28.4
160°	2.8	8.5	14.2	19.9	25.6
162.5°	2.8	8.5	14.2	17.1	19.9
165°	2.8	5.7	11.4	14.2	17.1
167.5°	2.8	5.7	8.5	11.4	14.2
170°	2.8	5.7	8.5	8.5	11.4
172.5°	2.8	5.7	5.7	5.7	5.7
175°	5.7	5.7	5.7	5.7	2.8
177.5°	5.7	5.7	5.7	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)