

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: P566683

Luminaire Tested: **4SNX-63SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566683  
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-L935-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

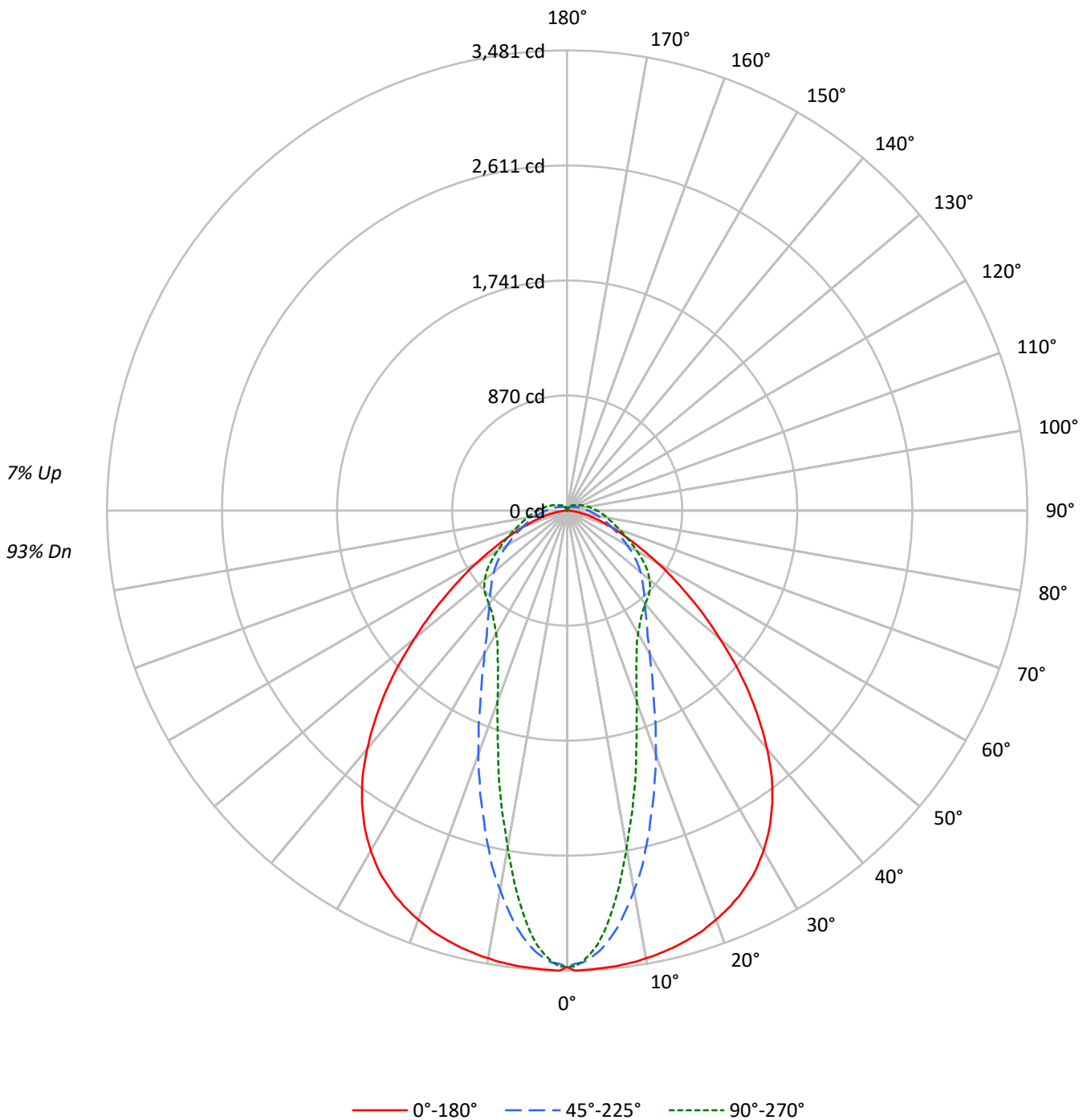
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5502.9 lumens  
Efficiency: N/A  
Efficacy: 123.9 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 (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	68	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°	37159	37159	37159
5°	37352	34152	32684
10°	37301	29283	25358
15°	37283	23887	19006
20°	37164	19028	14223
25°	36825	14911	11288
30°	36055	12068	9629
35°	34539	10213	8759
40°	31951	9017	8290
45°	28406	8249	8034
50°	24064	7591	7589
55°	19769	6878	6931
60°	15808	6051	6080
65°	12272	5312	5291
70°	9528	4698	4680
75°	7371	4222	4264
80°	5204	3864	3964
85°	2895	3601	3801



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.7	5.6
10°-20°	716.6	13.0
20°-30°	850.6	15.5
30°-40°	855.8	15.6
40°-50°	795.5	14.5
50°-60°	655.0	11.9
60°-70°	461.6	8.4
70°-80°	301.5	5.5
80°-90°	192.5	3.5
90°-100°	126.3	2.3
100°-110°	85.7	1.6
110°-120°	58.7	1.1
120°-130°	40.6	0.7
130°-140°	27.4	0.5
140°-150°	16.9	0.3
150°-160°	8.7	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1872.9	34.0
0°-40°	2728.7	49.6
0°-60°	4179.3	75.9
0°-90°	5134.9	93.3
90°-120°	270.7	4.9
90°-150°	355.6	6.5
90°-180°	368.0	6.7
0°-180°	5502.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3452	3452	3452	3452	3452	
5°	3470	3423	3299	3236	3201	330
15°	3383	3022	2431	2126	2010	955
25°	3161	2336	1549	1301	1246	1455
35°	2705	1580	1050	984	978	1682
45°	1944	1041	813	857	880	1492
55°	1116	684	629	698	721	1008
65°	525	412	433	487	505	532
75°	205	213	291	343	358	221
85°	35	98	196	254	265	43
90°	0	66	159	216	225	2
95°	0	49	133	182	190	0
105°	0	35	89	127	138	0
115°	3	29	63	92	98	3
125°	3	23	52	66	72	3
135°	3	20	40	52	55	2
145°	3	14	29	40	43	2
155°	3	12	20	29	32	1
165°	3	6	12	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°	3452.2	3452.2	3452.2	3452.2	3452.2
1°	3481.0	3466.6	3429.1	3455.1	3449.3
2°	3478.2	3463.7	3420.5	3432.0	3411.8
3°	3475.3	3455.1	3388.7	3385.9	3357.0
4°	3472.4	3440.7	3348.4	3313.8	3290.7
5°	3469.5	3423.4	3299.3	3235.9	3201.3
6°	3466.6	3403.2	3235.9	3140.7	3091.7
7°	3460.8	3371.4	3169.6	3039.8	2976.3
8°	3455.1	3342.6	3085.9	2930.2	2852.3
9°	3449.3	3305.1	3002.3	2811.9	2719.7
10°	3437.8	3267.6	2915.8	2690.8	2592.8
11°	3432.0	3224.4	2832.1	2575.4	2460.1
12°	3420.5	3178.2	2742.7	2454.3	2353.4
13°	3408.9	3129.2	2633.1	2350.5	2229.4
14°	3397.4	3077.3	2538.0	2235.1	2122.7
15°	3383.0	3022.5	2431.2	2125.5	2010.2
16°	3368.6	2959.0	2336.1	2013.1	1891.9
17°	3354.1	2898.5	2246.7	1909.2	1799.6
18°	3336.8	2837.9	2142.8	1808.3	1701.6
19°	3313.8	2768.7	2059.2	1716.0	1617.9
20°	3293.6	2705.2	1964.0	1629.5	1543.0
21°	3270.5	2627.4	1868.9	1548.7	1462.2
22.5°	3235.9	2517.8	1747.7	1447.8	1367.0
23°	3218.6	2486.0	1698.7	1410.3	1341.1
24°	3195.5	2402.4	1617.9	1352.6	1283.4
25°	3160.9	2336.1	1548.7	1300.7	1245.9
26°	3129.2	2255.3	1479.5	1254.6	1199.8
27°	3097.5	2177.5	1418.9	1205.5	1159.4
28°	3057.1	2096.7	1352.6	1165.2	1124.8
29°	3013.8	2021.7	1297.8	1130.5	1098.8
30°	2970.6	1938.1	1251.7	1098.8	1072.9
32.5°	2849.4	1753.5	1133.4	1038.3	1021.0
35°	2705.2	1580.5	1049.8	983.5	977.7
37.5°	2543.7	1421.8	974.8	940.2	946.0
40°	2353.4	1277.6	911.4	908.5	920.0
42.5°	2151.5	1153.6	862.3	882.5	899.8
45°	1943.8	1041.1	813.3	856.6	879.6
47.5°	1727.5	943.1	770.0	824.8	850.8
50°	1508.4	847.9	723.9	787.3	813.3
52.5°	1312.2	764.3	677.7	744.1	772.9
55°	1116.1	683.5	628.7	697.9	721.0
57.5°	946.0	608.5	576.8	646.0	663.3
60°	787.3	536.4	524.9	588.3	608.5
62.5°	643.1	473.0	475.9	536.4	556.6
65°	524.9	412.4	432.6	487.4	504.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	426.8	354.7	389.3	447.0	461.4
70°	337.4	302.8	354.7	406.6	421.1
72.5°	268.2	256.7	320.1	374.9	386.5
75°	204.8	213.4	291.3	343.2	357.6
77.5°	147.1	178.8	262.4	317.2	328.8
80°	103.8	147.1	239.4	294.2	305.7
82.5°	66.3	121.1	216.3	274.0	285.5
85°	34.6	98.1	196.1	253.8	265.3
87.5°	14.4	80.8	175.9	233.6	245.1
90°	0.0	66.3	158.6	216.3	225.0
92.5°	0.0	57.7	144.2	199.0	207.7
95°	0.0	49.0	132.7	181.7	190.3
97.5°	0.0	46.1	118.2	167.3	175.9
100°	0.0	40.4	106.7	152.9	164.4
102.5°	0.0	37.5	98.1	138.4	150.0
105°	0.0	34.6	89.4	126.9	138.4
107.5°	0.0	31.7	83.6	118.2	126.9
110°	0.0	31.7	75.0	109.6	118.2
112.5°	2.9	28.8	69.2	98.1	106.7
115°	2.9	28.8	63.4	92.3	98.1
117.5°	2.9	28.8	60.6	83.6	89.4
120°	2.9	26.0	57.7	77.9	83.6
122.5°	2.9	26.0	54.8	72.1	75.0
125°	2.9	23.1	51.9	66.3	72.1
127.5°	2.9	23.1	49.0	63.4	66.3
130°	2.9	23.1	46.1	57.7	63.4
132.5°	2.9	20.2	43.3	54.8	57.7
135°	2.9	20.2	40.4	51.9	54.8
137.5°	2.9	17.3	37.5	49.0	51.9
140°	2.9	17.3	34.6	46.1	49.0
142.5°	2.9	14.4	31.7	43.3	46.1
145°	2.9	14.4	28.8	40.4	43.3
147.5°	2.9	14.4	26.0	37.5	40.4
150°	2.9	11.5	23.1	34.6	37.5
152.5°	2.9	11.5	20.2	31.7	34.6
155°	2.9	11.5	20.2	28.8	31.7
157.5°	2.9	8.7	17.3	23.1	28.8
160°	2.9	8.7	14.4	20.2	26.0
162.5°	2.9	8.7	14.4	17.3	20.2
165°	2.9	5.8	11.5	14.4	17.3
167.5°	2.9	5.8	8.7	11.5	14.4
170°	2.9	5.8	8.7	8.7	11.5
172.5°	2.9	5.8	5.8	5.8	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	2.9	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)