

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: P566434

Luminaire Tested: **4SNX-45SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566434
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-45SL-LC-UNV-L930-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

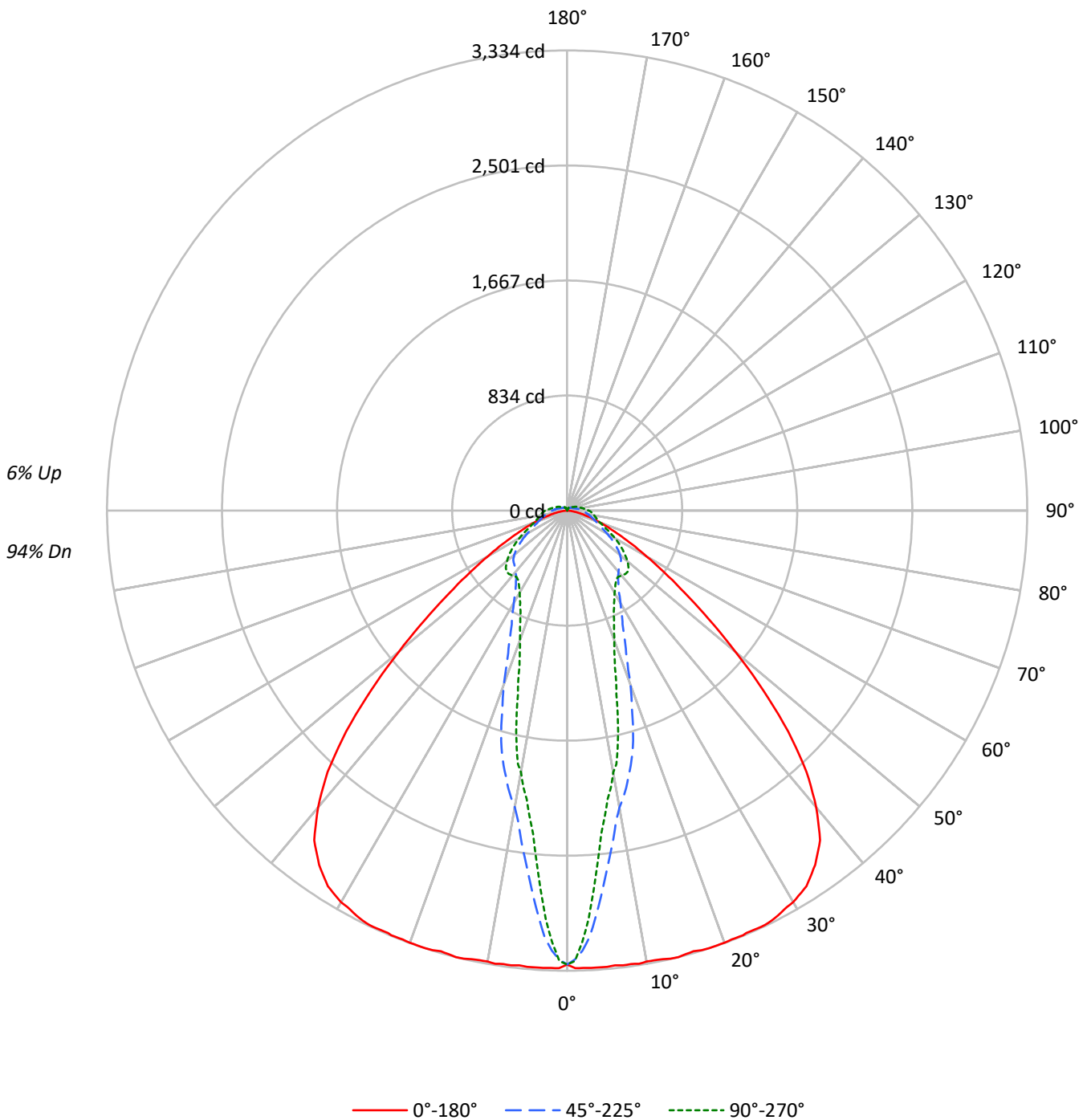
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054.0 lumens
Efficiency: N/A
Efficacy: 136.0 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): 29.8
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	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°	35400	35400	35400
5°	35720	29076	26026
10°	36000	21950	18836
15°	36657	17942	13043
20°	37601	12983	9212
25°	38776	9302	7247
30°	39765	7431	6172
35°	40002	6286	5527
40°	38135	5714	5542
45°	33094	5520	5693
50°	25388	5250	5312
55°	18400	4592	4713
60°	13348	3832	3985
65°	9715	3241	3266
70°	7159	2862	2817
75°	5086	2650	2625
80°	3334	2481	2585
85°	1564	2365	2589



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	6.4
10°-20°	561.6	13.9
20°-30°	642.9	15.9
30°-40°	644.0	15.9
40°-50°	609.7	15.0
50°-60°	467.6	11.5
60°-70°	301.4	7.4
70°-80°	192.2	4.7
80°-90°	127.6	3.1
90°-100°	85.8	2.1
100°-110°	56.5	1.4
110°-120°	39.3	1.0
120°-130°	27.4	0.7
130°-140°	19.0	0.5
140°-150°	11.7	0.3
150°-160°	5.9	0.1
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1463.2	36.1
0°-40°	2107.2	52.0
0°-60°	3184.4	78.6
0°-90°	3805.6	93.9
90°-120°	181.6	4.5
90°-150°	239.8	5.9
90°-180°	248.0	6.1
0°-180°	4054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3289	3289	3289	3289	3289	
5°	3318	3135	2809	2620	2549	317
15°	3326	2395	1826	1500	1380	943
25°	3328	1695	966	839	800	1534
35°	3133	943	646	625	617	1944
45°	2265	596	544	602	623	1722
55°	1039	426	420	472	490	955
65°	416	268	264	301	312	427
75°	141	145	183	210	220	155
85°	19	66	129	168	181	26
90°	0	46	108	150	156	1
95°	0	33	89	123	129	0
105°	0	25	58	83	89	1
115°	2	21	44	60	64	2
125°	2	19	37	44	46	2
135°	2	14	29	35	37	2
145°	2	10	21	27	29	1
155°	2	6	12	19	21	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 4SNX-45SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3288.8	3288.8	3288.8	3288.8	3288.8
1°	3315.8	3297.1	3253.5	3265.9	3263.9
2°	3315.8	3276.3	3191.2	3166.2	3128.8
3°	3317.9	3241.0	3095.6	3014.6	2962.6
4°	3317.9	3189.1	2954.3	2819.3	2752.8
5°	3317.9	3135.1	2808.9	2619.8	2549.2
6°	3313.7	3070.7	2661.4	2461.9	2356.0
7°	3320.0	3000.0	2528.4	2314.4	2231.3
8°	3317.9	2916.9	2405.8	2202.2	2110.8
9°	3324.1	2835.9	2272.9	2096.3	2027.7
10°	3317.9	2761.1	2185.6	1996.5	1925.9
11°	3317.9	2688.4	2123.3	1932.1	1871.9
12°	3322.0	2605.3	2054.7	1840.7	1757.6
13°	3332.4	2520.1	1975.8	1741.0	1643.4
14°	3334.5	2455.7	1903.1	1614.3	1512.5
15°	3326.2	2395.4	1826.2	1500.0	1379.5
16°	3322.0	2333.1	1734.8	1392.0	1283.9
17°	3330.4	2260.4	1630.9	1281.9	1182.1
18°	3332.4	2193.9	1520.8	1198.8	1111.5
19°	3332.4	2142.0	1431.4	1121.9	1047.1
20°	3332.4	2092.1	1340.0	1063.7	999.3
21°	3328.3	2029.8	1236.2	1003.5	949.5
22.5°	3330.4	1913.4	1117.7	932.8	889.2
23°	3324.1	1884.4	1088.6	914.1	868.4
24°	3326.2	1801.3	1026.3	876.7	833.1
25°	3328.3	1695.3	966.1	839.3	799.9
26°	3324.1	1610.1	916.2	804.0	777.0
27°	3313.7	1541.6	880.9	774.9	750.0
28°	3299.2	1450.1	843.5	750.0	727.2
29°	3284.6	1346.3	806.1	723.0	706.4
30°	3276.3	1263.2	770.8	702.2	687.7
32.5°	3226.5	1099.0	698.1	660.7	648.2
35°	3133.0	943.2	646.1	625.4	617.0
37.5°	3010.4	822.7	606.7	602.5	604.6
40°	2808.9	727.2	577.6	596.3	615.0
42.5°	2567.9	652.4	556.8	602.5	623.3
45°	2264.6	596.3	544.3	602.5	623.3
47.5°	1928.0	550.6	529.8	581.7	602.5
50°	1591.4	509.0	500.7	550.6	569.3
52.5°	1294.3	469.5	463.3	511.1	529.8
55°	1038.8	425.9	419.7	471.6	490.3
57.5°	833.1	384.4	378.1	425.9	444.6
60°	664.8	342.8	332.4	380.2	398.9
62.5°	529.8	303.3	297.1	338.6	355.3
65°	415.5	268.0	263.9	301.2	311.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	328.3	234.8	236.8	268.0	280.5
70°	253.5	203.6	216.1	245.2	253.5
72.5°	191.1	172.4	199.4	224.4	234.8
75°	141.3	145.4	182.8	209.8	220.2
77.5°	97.6	120.5	168.3	197.4	207.8
80°	66.5	97.6	153.7	187.0	199.4
82.5°	39.5	81.0	141.3	176.6	191.1
85°	18.7	66.5	128.8	168.3	180.7
87.5°	6.2	54.0	116.3	160.0	170.4
90°	0.0	45.7	108.0	149.6	155.8
92.5°	0.0	39.5	97.6	137.1	141.3
95°	0.0	33.2	89.3	122.6	128.8
97.5°	0.0	31.2	83.1	110.1	118.4
100°	0.0	29.1	74.8	99.7	108.0
102.5°	0.0	24.9	66.5	89.3	97.6
105°	0.0	24.9	58.2	83.1	89.3
107.5°	2.1	22.9	54.0	74.8	83.1
110°	2.1	22.9	47.8	70.6	76.9
112.5°	2.1	22.9	45.7	64.4	72.7
115°	2.1	20.8	43.6	60.2	64.4
117.5°	2.1	20.8	41.6	54.0	58.2
120°	2.1	18.7	39.5	49.9	51.9
122.5°	2.1	18.7	37.4	45.7	47.8
125°	2.1	18.7	37.4	43.6	45.7
127.5°	2.1	16.6	35.3	41.6	41.6
130°	2.1	16.6	33.2	39.5	39.5
132.5°	2.1	14.5	31.2	37.4	39.5
135°	2.1	14.5	29.1	35.3	37.4
137.5°	2.1	12.5	27.0	33.2	35.3
140°	2.1	12.5	24.9	31.2	33.2
142.5°	2.1	10.4	22.9	29.1	31.2
145°	2.1	10.4	20.8	27.0	29.1
147.5°	2.1	10.4	18.7	24.9	27.0
150°	2.1	8.3	16.6	22.9	24.9
152.5°	2.1	8.3	14.5	20.8	22.9
155°	2.1	6.2	12.5	18.7	20.8
157.5°	2.1	6.2	12.5	16.6	18.7
160°	4.2	6.2	10.4	14.5	16.6
162.5°	2.1	4.2	10.4	12.5	14.5
165°	4.2	4.2	8.3	10.4	12.5
167.5°	4.2	4.2	6.2	8.3	10.4
170°	4.2	4.2	6.2	6.2	8.3
172.5°	4.2	4.2	4.2	6.2	4.2
175°	4.2	4.2	4.2	4.2	2.1
177.5°	4.2	4.2	4.2	4.2	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)