

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: P566571

Luminaire Tested: **4SNX-57SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-57SL-FDL-UNV-L935-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

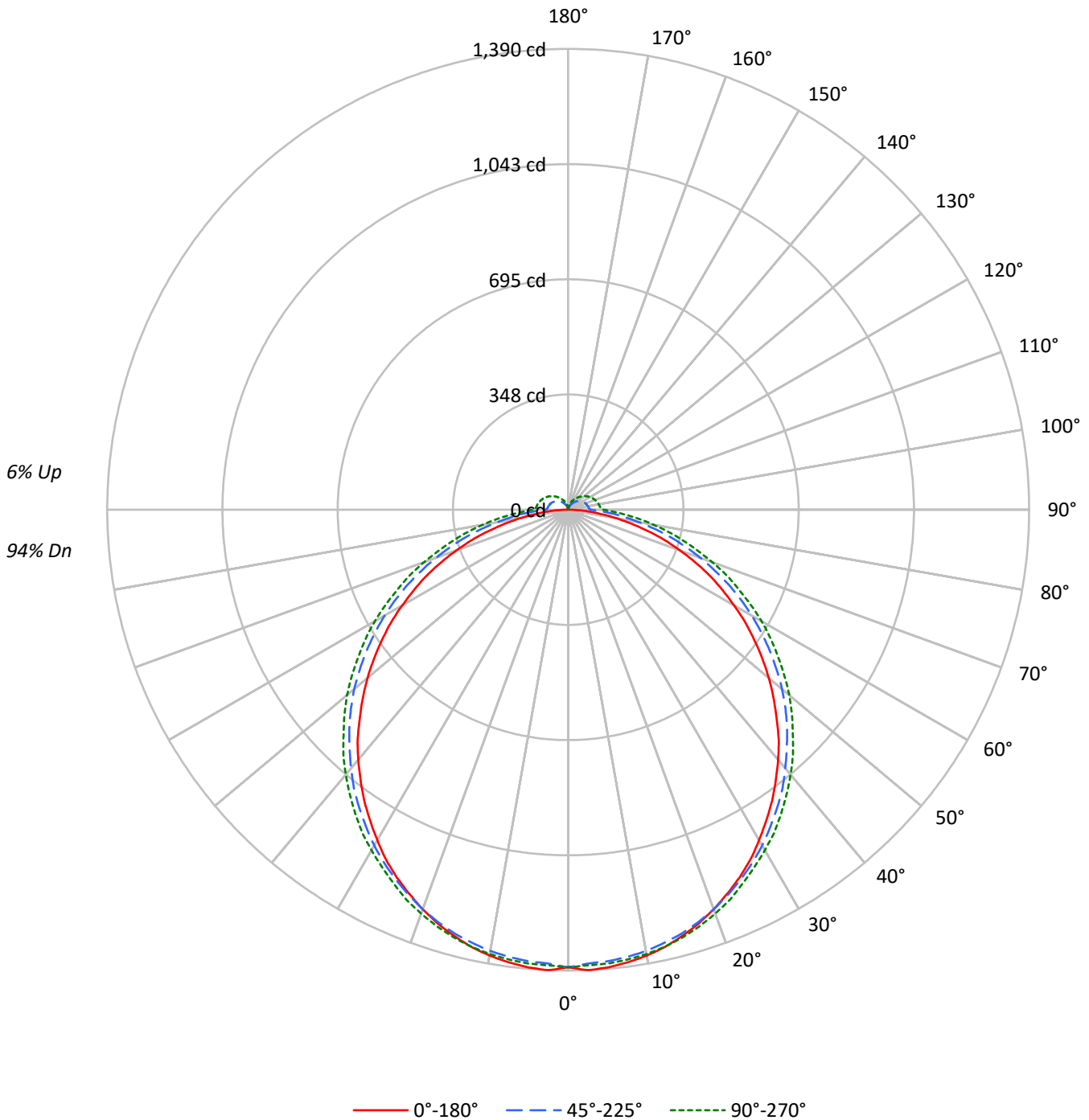
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4386.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (A_{in}): 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	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14856	14856	14856
5°	14958	14610	14633
10°	14896	14453	14449
15°	14785	14270	14242
20°	14633	14048	14000
25°	14458	13806	13712
30°	14222	13558	13447
35°	13982	13269	13170
40°	13719	12948	12859
45°	13386	12630	12496
50°	13065	12268	12164
55°	12666	11820	11702
60°	12220	11308	11249
65°	11747	10698	10624
70°	10932	9931	9975
75°	9948	9024	9200
80°	8498	7826	8339
85°	6688	6787	7329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	3.0
10°-20°	375.6	8.6
20°-30°	569.2	13.0
30°-40°	687.1	15.7
40°-50°	717.5	16.4
50°-60°	659.2	15.0
60°-70°	521.3	11.9
70°-80°	329.9	7.5
80°-90°	141.8	3.2
90°-100°	62.4	1.4
100°-110°	55.9	1.3
110°-120°	47.2	1.1
120°-130°	36.8	0.8
130°-140°	25.5	0.6
140°-150°	15.3	0.3
150°-160°	7.5	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1075.7	24.5
0°-40°	1762.8	40.2
0°-60°	3139.6	71.6
0°-90°	4132.6	94.2
90°-120°	165.5	3.8
90°-150°	243.0	5.5
90°-180°	253.0	5.8
0°-180°	4386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1386	1382	1367	1379	1374	132
15°	1330	1330	1324	1338	1335	375
25°	1223	1229	1230	1247	1244	563
35°	1072	1084	1098	1115	1119	670
45°	888	910	934	952	958	686
55°	685	713	742	767	772	613
65°	472	498	533	558	566	464
75°	248	278	318	346	359	263
85°	61	93	134	162	172	67
90°	4	33	68	96	106	5
95°	1	29	62	87	96	1
105°	1	26	58	82	90	1
115°	1	22	53	74	82	1
125°	2	20	44	64	71	1
135°	2	16	36	50	57	1
145°	2	12	25	38	42	1
155°	2	8	16	24	29	1
165°	2	5	8	12	16	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.2	1380.2	1380.2	1380.2	1380.2
2.5°	1390.3	1385.6	1370.1	1381.0	1375.5
5°	1385.6	1381.7	1367.0	1378.6	1374.0
7.5°	1377.1	1374.0	1360.8	1373.2	1368.5
10°	1365.4	1363.1	1351.5	1363.9	1360.8
12.5°	1350.7	1349.9	1338.2	1352.2	1349.9
15°	1330.5	1330.5	1323.5	1337.5	1335.1
17.5°	1308.7	1309.5	1304.1	1318.8	1317.3
20°	1282.3	1286.2	1282.3	1297.9	1296.3
22.5°	1253.6	1259.0	1257.5	1273.0	1273.8
25°	1223.3	1228.7	1230.3	1246.6	1244.3
27.5°	1189.9	1198.4	1201.6	1216.3	1215.5
30°	1151.1	1162.7	1169.7	1182.1	1186.0
32.5°	1111.5	1125.4	1134.0	1151.1	1155.7
35°	1071.8	1084.3	1098.3	1115.3	1119.2
37.5°	1028.3	1042.3	1061.0	1077.3	1081.9
40°	984.9	1000.4	1018.3	1036.1	1043.1
42.5°	939.8	956.1	975.5	996.5	1003.5
45°	888.5	910.3	933.6	951.5	957.7
47.5°	839.6	863.7	888.5	908.0	914.9
50°	789.9	815.5	841.9	859.8	870.7
52.5°	737.9	765.8	792.2	814.8	821.7
55°	685.0	713.0	742.5	766.6	772.0
57.5°	633.8	661.0	690.5	713.0	723.9
60°	577.9	607.4	639.2	661.7	673.4
62.5°	523.5	552.2	586.4	610.5	619.8
65°	471.5	497.9	532.8	557.7	566.2
67.5°	414.0	444.3	477.7	506.4	517.3
70°	357.3	386.0	424.1	451.3	462.1
72.5°	304.5	332.4	370.5	397.7	407.8
75°	248.5	278.1	318.4	345.6	358.8
77.5°	195.0	227.6	266.4	295.9	310.7
80°	145.2	174.0	215.9	248.5	261.7
82.5°	98.6	129.7	173.2	203.5	218.3
85°	60.6	93.2	133.6	162.3	172.4
87.5°	28.7	59.8	97.1	125.0	137.5
90°	3.9	33.4	68.3	95.5	105.6
92.5°	0.8	28.7	62.9	88.5	97.9
95°	0.8	28.7	62.1	87.0	96.3
97.5°	0.8	28.0	61.4	86.2	94.8
100°	0.8	27.2	60.6	84.7	94.0
102.5°	0.8	27.2	59.0	83.1	91.7
105°	0.8	26.4	58.3	81.6	90.1
107.5°	0.8	25.6	56.7	80.0	88.5
110°	0.8	24.1	55.9	77.7	86.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	23.3	54.4	76.1	83.9
115°	0.8	22.5	52.8	73.8	81.6
117.5°	0.8	21.7	50.5	71.5	79.2
120°	1.6	21.7	48.9	69.1	76.1
122.5°	1.6	21.0	46.6	66.0	73.0
125°	1.6	20.2	44.3	63.7	70.7
127.5°	1.6	19.4	41.9	60.6	66.8
130°	1.6	17.9	40.4	57.5	63.7
132.5°	1.6	17.1	38.1	53.6	59.8
135°	1.6	15.5	35.7	50.5	56.7
137.5°	1.6	14.8	33.4	47.4	52.8
140°	1.6	14.0	30.3	44.3	49.7
142.5°	1.6	12.4	28.0	41.2	45.8
145°	1.6	11.7	24.9	38.1	41.9
147.5°	1.6	10.1	22.5	35.0	38.8
150°	1.6	9.3	20.2	31.8	35.7
152.5°	1.6	8.5	17.9	28.0	31.8
155°	1.6	7.8	16.3	24.1	28.7
157.5°	1.6	7.0	14.0	21.0	25.6
160°	2.3	6.2	12.4	17.9	21.7
162.5°	2.3	5.4	10.1	14.8	19.4
165°	2.3	5.4	8.5	11.7	16.3
167.5°	2.3	4.7	7.0	9.3	13.2
170°	2.3	3.9	6.2	7.0	10.1
172.5°	2.3	3.1	4.7	4.7	5.4
175°	2.3	3.1	3.9	3.9	2.3
177.5°	2.3	2.3	2.3	2.3	1.6
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)