

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: P566602

Luminaire Tested: **4SNX-57SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566602  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-57SL-SLW-UNV-L930-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

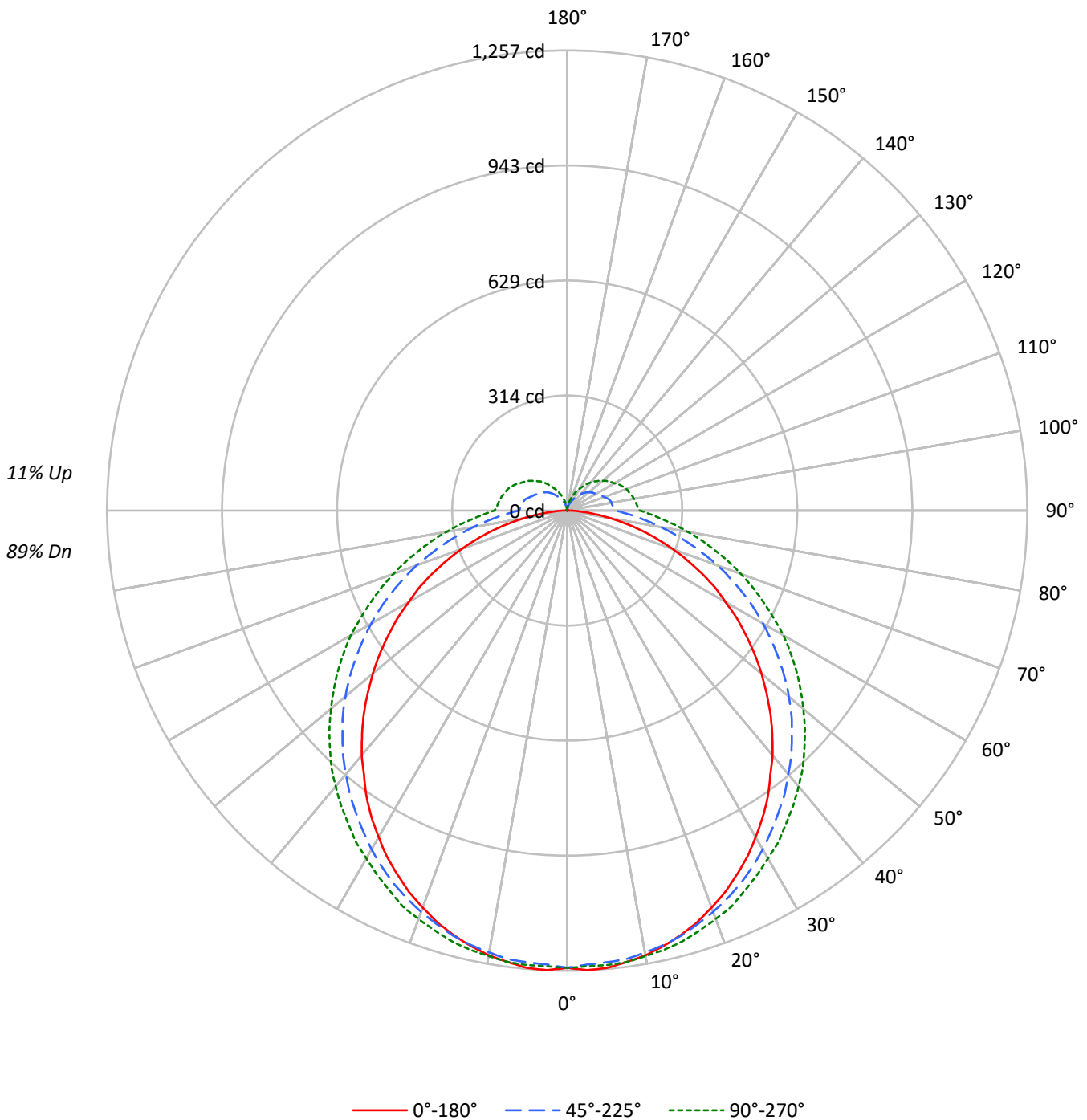
Lumens per Lamp: N/A  
Luminaire Lumens: 4446.1 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 39.7  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13443	13443	13443
5°	13525	13097	13086
10°	13432	12832	12762
15°	13298	12561	12464
20°	13115	12250	12132
25°	12904	11945	11785
30°	12650	11610	11442
35°	12373	11263	11119
40°	12055	10921	10811
45°	11713	10573	10476
50°	11320	10204	10103
55°	10888	9764	9736
60°	10382	9290	9327
65°	9859	8760	8812
70°	9123	8176	8307
75°	8152	7433	7749
80°	6572	6677	7199
85°	4632	6029	6633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.6	2.7
10°-20°	341.0	7.7
20°-30°	518.4	11.7
30°-40°	629.3	14.2
40°-50°	665.0	15.0
50°-60°	622.3	14.0
60°-70°	510.6	11.5
70°-80°	351.2	7.9
80°-90°	192.3	4.3
90°-100°	123.9	2.8
100°-110°	111.1	2.5
110°-120°	92.0	2.1
120°-130°	70.9	1.6
130°-140°	49.8	1.1
140°-150°	30.0	0.7
150°-160°	14.4	0.3
160°-170°	4.7	0.1
170°-180°	0.6	0.0
0°-30°	978.0	22.0
0°-40°	1607.3	36.2
0°-60°	2894.7	65.1
0°-90°	3948.8	88.8
90°-120°	327.0	7.4
90°-150°	477.6	10.7
90°-180°	497.0	11.2
0°-180°	4446.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1254	1252	1239	1249	1246	119
15°	1200	1205	1202	1218	1218	338
25°	1097	1110	1123	1146	1146	505
35°	955	978	1007	1035	1043	597
45°	785	821	868	906	917	605
55°	597	646	706	749	765	535
65°	404	458	528	577	592	400
75°	211	268	345	399	417	222
85°	46	111	188	240	258	54
90°	0	62	131	180	198	3
95°	0	59	126	172	191	0
105°	0	49	118	162	178	2
115°	3	44	100	144	162	3
125°	3	36	85	124	139	2
135°	3	28	70	100	113	2
145°	3	21	49	77	85	2
155°	3	13	31	49	57	1
165°	3	8	16	23	28	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1248.9	1248.9	1248.9	1248.9	1248.9
2.5°	1256.6	1254.0	1241.2	1251.5	1246.3
5°	1254.0	1251.5	1238.6	1248.9	1246.3
7.5°	1243.7	1243.7	1236.0	1246.3	1243.7
10°	1233.4	1233.4	1225.7	1238.6	1236.0
12.5°	1218.0	1220.6	1215.4	1230.9	1228.3
15°	1200.0	1205.1	1202.5	1218.0	1218.0
17.5°	1179.4	1184.5	1184.5	1202.5	1202.5
20°	1153.6	1161.3	1166.5	1187.1	1187.1
22.5°	1127.9	1138.2	1145.9	1163.9	1171.6
25°	1097.0	1109.8	1122.7	1145.9	1145.9
27.5°	1066.1	1081.5	1097.0	1120.1	1122.7
30°	1030.0	1048.0	1068.6	1091.8	1097.0
32.5°	994.0	1017.1	1037.7	1066.1	1073.8
35°	955.3	978.5	1006.8	1035.2	1042.9
37.5°	911.6	939.9	975.9	1006.8	1014.6
40°	872.9	903.8	939.9	975.9	983.7
42.5°	829.2	862.6	906.4	939.9	952.8
45°	785.4	821.4	867.8	906.4	916.7
47.5°	739.0	780.2	831.7	867.8	880.7
50°	692.7	736.5	790.5	831.7	842.0
52.5°	646.3	692.7	749.3	790.5	803.4
55°	597.4	646.3	705.6	749.3	764.8
57.5°	551.1	600.0	661.8	708.1	723.6
60°	499.6	556.2	618.0	664.4	682.4
62.5°	455.8	507.3	574.2	620.6	636.0
65°	404.3	458.4	527.9	576.8	592.3
67.5°	355.4	412.0	481.5	533.0	548.5
70°	306.4	363.1	437.8	486.7	504.7
72.5°	257.5	316.7	388.8	442.9	460.9
75°	211.2	267.8	345.1	399.1	417.2
77.5°	162.2	224.0	301.3	355.4	376.0
80°	118.5	182.8	260.1	314.2	334.8
82.5°	79.8	144.2	221.5	275.5	296.1
85°	46.4	110.7	188.0	239.5	257.5
87.5°	23.2	85.0	157.1	208.6	226.6
90°	0.0	61.8	131.3	180.3	198.3
92.5°	0.0	59.2	128.8	175.1	193.1
95°	0.0	59.2	126.2	172.5	190.6
97.5°	0.0	56.7	123.6	172.5	188.0
100°	0.0	54.1	123.6	170.0	185.4
102.5°	0.0	51.5	121.0	167.4	182.8
105°	0.0	48.9	118.5	162.2	177.7
107.5°	2.6	48.9	113.3	159.7	175.1
110°	2.6	46.4	108.2	157.1	172.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	43.8	103.0	151.9	167.4
115°	2.6	43.8	100.4	144.2	162.2
117.5°	2.6	41.2	95.3	139.1	157.1
120°	2.6	41.2	92.7	133.9	149.4
122.5°	2.6	38.6	87.6	128.8	144.2
125°	2.6	36.1	85.0	123.6	139.1
127.5°	2.6	33.5	82.4	118.5	133.9
130°	2.6	30.9	77.3	113.3	126.2
132.5°	2.6	30.9	74.7	105.6	121.0
135°	2.6	28.3	69.5	100.4	113.3
137.5°	2.6	25.8	64.4	95.3	108.2
140°	2.6	23.2	59.2	90.1	100.4
142.5°	2.6	23.2	54.1	82.4	92.7
145°	2.6	20.6	48.9	77.3	85.0
147.5°	2.6	18.0	43.8	69.5	77.3
150°	2.6	18.0	38.6	61.8	69.5
152.5°	2.6	15.5	33.5	56.7	64.4
155°	2.6	12.9	30.9	48.9	56.7
157.5°	2.6	12.9	25.8	41.2	48.9
160°	2.6	10.3	23.2	33.5	41.2
162.5°	2.6	10.3	20.6	28.3	36.1
165°	2.6	7.7	15.5	23.2	28.3
167.5°	2.6	7.7	12.9	18.0	23.2
170°	2.6	5.2	10.3	12.9	18.0
172.5°	2.6	5.2	7.7	7.7	7.7
175°	2.6	2.6	5.2	5.2	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)