

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: P567127

Luminaire Tested: **4SNX-SL3-SLW-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567127  
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-SL3-SLW-UNV-CC93-CD-3500K-HI  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

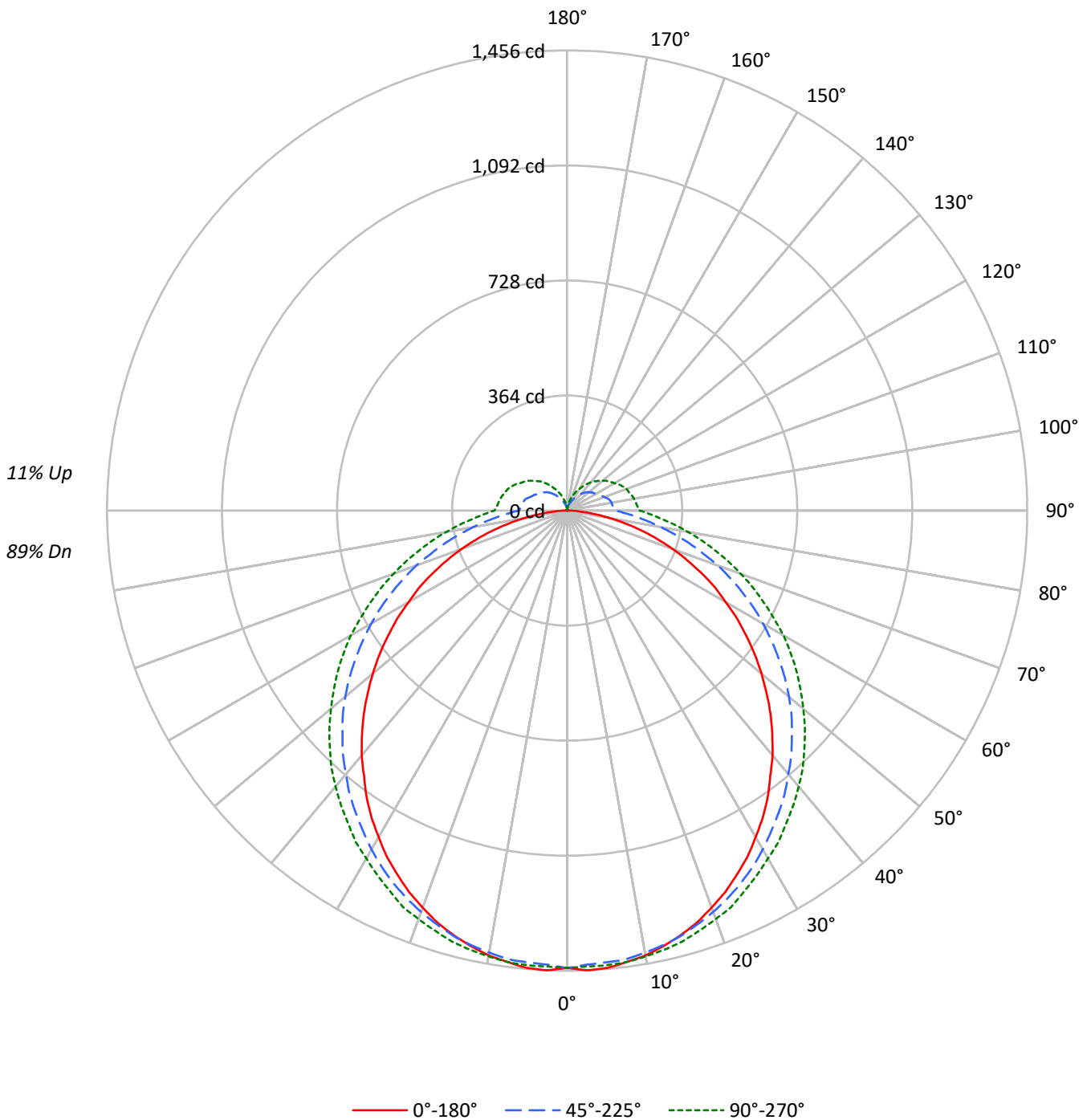
Lumens per Lamp: N/A  
Luminaire Lumens: 5151.1 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 50.7  
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	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°	15574	15574	15574
5°	15670	15174	15161
10°	15562	14868	14786
15°	15406	14553	14440
20°	15194	14193	14055
25°	14949	13838	13654
30°	14656	13451	13255
35°	14335	13049	12883
40°	13968	12652	12524
45°	13569	12249	12138
50°	13114	11823	11706
55°	12614	11310	11280
60°	12028	10764	10806
65°	11422	10149	10209
70°	10570	9471	9623
75°	9441	8611	8977
80°	7609	7735	8338
85°	5361	6985	7683



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	2.7
10°-20°	395.0	7.7
20°-30°	600.6	11.7
30°-40°	729.1	14.2
40°-50°	770.5	15.0
50°-60°	721.0	14.0
60°-70°	591.6	11.5
70°-80°	406.9	7.9
80°-90°	222.8	4.3
90°-100°	143.5	2.8
100°-110°	128.8	2.5
110°-120°	106.6	2.1
120°-130°	82.1	1.6
130°-140°	57.7	1.1
140°-150°	34.8	0.7
150°-160°	16.6	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1133.1	22.0
0°-40°	1862.2	36.2
0°-60°	3353.7	65.1
0°-90°	4575.0	88.8
90°-120°	378.8	7.4
90°-150°	553.3	10.7
90°-180°	576.0	11.2
0°-180°	5151.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1453	1450	1435	1447	1444	138
15°	1390	1396	1393	1411	1411	392
25°	1271	1286	1301	1328	1328	586
35°	1107	1134	1166	1199	1208	691
45°	910	952	1005	1050	1062	701
55°	692	749	817	868	886	619
65°	468	531	612	668	686	464
75°	245	310	400	462	483	258
85°	54	128	218	278	298	62
90°	0	72	152	209	230	4
95°	0	69	146	200	221	0
105°	0	57	137	188	206	2
115°	3	51	116	167	188	3
125°	3	42	98	143	161	3
135°	3	33	81	116	131	2
145°	3	24	57	90	98	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	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°	1446.9	1446.9	1446.9	1446.9	1446.9
2.5°	1455.9	1452.9	1438.0	1449.9	1443.9
5°	1452.9	1449.9	1435.0	1446.9	1443.9
7.5°	1441.0	1441.0	1432.0	1443.9	1441.0
10°	1429.0	1429.0	1420.1	1435.0	1432.0
12.5°	1411.1	1414.1	1408.1	1426.0	1423.1
15°	1390.2	1396.2	1393.2	1411.1	1411.1
17.5°	1366.4	1372.3	1372.3	1393.2	1393.2
20°	1336.5	1345.5	1351.5	1375.3	1375.3
22.5°	1306.7	1318.6	1327.6	1348.5	1357.4
25°	1270.9	1285.8	1300.7	1327.6	1327.6
27.5°	1235.1	1253.0	1270.9	1297.8	1300.7
30°	1193.3	1214.2	1238.1	1264.9	1270.9
32.5°	1151.6	1178.4	1202.3	1235.1	1244.1
35°	1106.8	1133.7	1166.5	1199.3	1208.3
37.5°	1056.1	1088.9	1130.7	1166.5	1175.4
40°	1011.4	1047.2	1088.9	1130.7	1139.6
42.5°	960.6	999.4	1050.1	1088.9	1103.8
45°	909.9	951.7	1005.4	1050.1	1062.1
47.5°	856.2	904.0	963.6	1005.4	1020.3
50°	802.5	853.2	915.9	963.6	975.6
52.5°	748.8	802.5	868.2	915.9	930.8
55°	692.1	748.8	817.4	868.2	886.1
57.5°	638.4	695.1	766.7	820.4	838.3
60°	578.8	644.4	716.0	769.7	790.6
62.5°	528.1	587.7	665.3	719.0	736.9
65°	468.4	531.0	611.6	668.3	686.2
67.5°	411.7	477.3	557.9	617.6	635.5
70°	355.0	420.7	507.2	563.9	584.7
72.5°	298.3	367.0	450.5	513.1	534.0
75°	244.6	310.3	399.8	462.4	483.3
77.5°	188.0	259.6	349.1	411.7	435.6
80°	137.2	211.8	301.3	364.0	387.8
82.5°	92.5	167.1	256.6	319.2	343.1
85°	53.7	128.3	217.8	277.5	298.3
87.5°	26.9	98.5	182.0	241.7	262.5
90°	0.0	71.6	152.2	208.8	229.7
92.5°	0.0	68.6	149.2	202.9	223.8
95°	0.0	68.6	146.2	199.9	220.8
97.5°	0.0	65.6	143.2	199.9	217.8
100°	0.0	62.7	143.2	196.9	214.8
102.5°	0.0	59.7	140.2	193.9	211.8
105°	0.0	56.7	137.2	188.0	205.9
107.5°	3.0	56.7	131.3	185.0	202.9
110°	3.0	53.7	125.3	182.0	199.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.7	119.3	176.0	193.9
115°	3.0	50.7	116.4	167.1	188.0
117.5°	3.0	47.7	110.4	161.1	182.0
120°	3.0	47.7	107.4	155.1	173.0
122.5°	3.0	44.8	101.4	149.2	167.1
125°	3.0	41.8	98.5	143.2	161.1
127.5°	3.0	38.8	95.5	137.2	155.1
130°	3.0	35.8	89.5	131.3	146.2
132.5°	3.0	35.8	86.5	122.3	140.2
135°	3.0	32.8	80.6	116.4	131.3
137.5°	3.0	29.8	74.6	110.4	125.3
140°	3.0	26.9	68.6	104.4	116.4
142.5°	3.0	26.9	62.7	95.5	107.4
145°	3.0	23.9	56.7	89.5	98.5
147.5°	3.0	20.9	50.7	80.6	89.5
150°	3.0	20.9	44.8	71.6	80.6
152.5°	3.0	17.9	38.8	65.6	74.6
155°	3.0	14.9	35.8	56.7	65.6
157.5°	3.0	14.9	29.8	47.7	56.7
160°	3.0	11.9	26.9	38.8	47.7
162.5°	3.0	11.9	23.9	32.8	41.8
165°	3.0	9.0	17.9	26.9	32.8
167.5°	3.0	9.0	14.9	20.9	26.9
170°	3.0	6.0	11.9	14.9	20.9
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)