

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: P567112

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567112
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-LW-UNV-CC93-CD-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

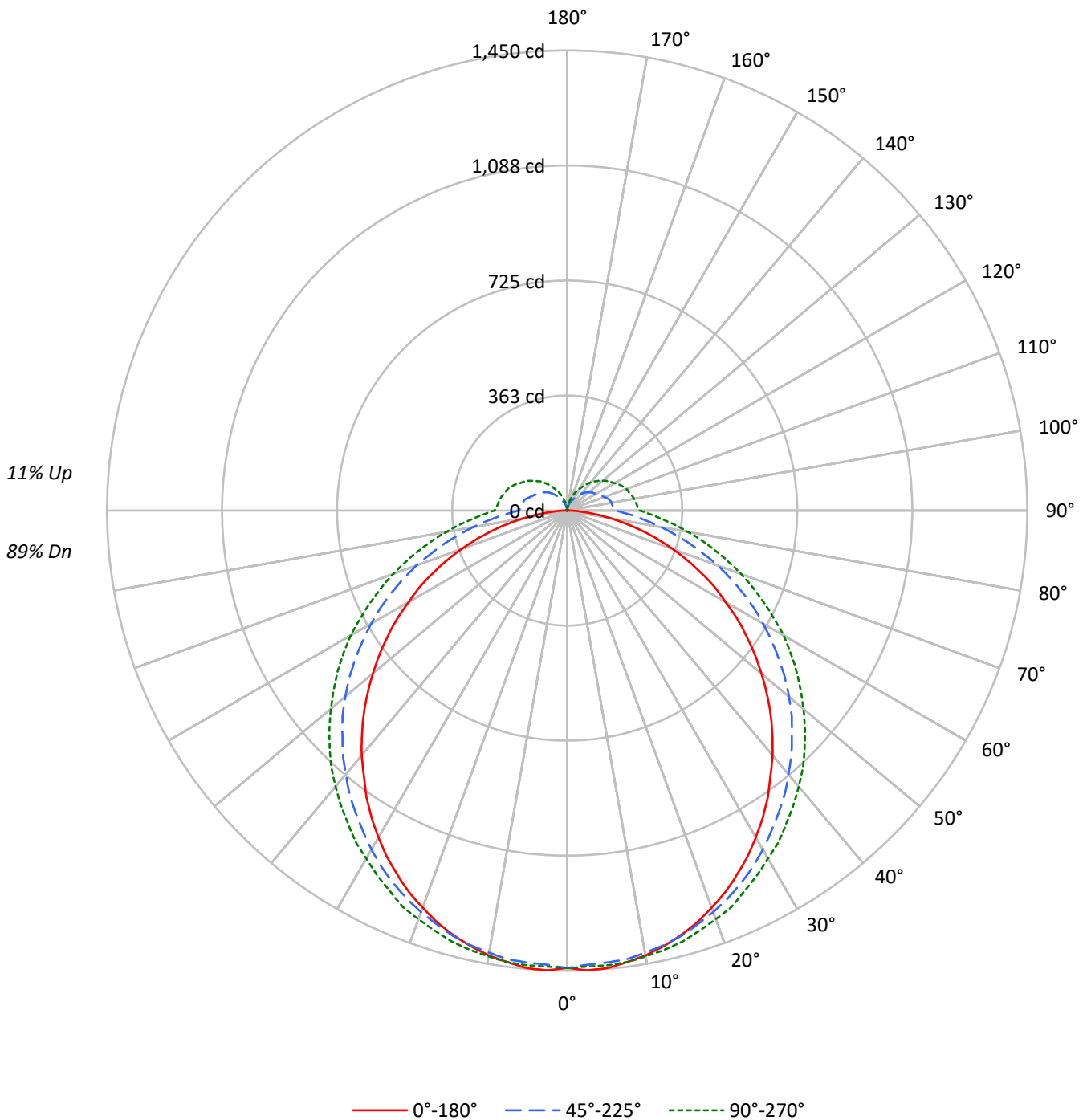
Lumens per Lamp: N/A
Luminaire Lumens: 5131.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 48.9
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°	15514	15514	15514
5°	15581	14796	14684
10°	15445	14207	13952
15°	15261	13635	13289
20°	15023	13043	12629
25°	14749	12475	11981
30°	14427	11890	11362
35°	14077	11304	10782
40°	13677	10731	10229
45°	13246	10158	9663
50°	12753	9567	9068
55°	12213	8909	8485
60°	11575	8221	7868
65°	10909	7481	7165
70°	9985	6691	6474
75°	8771	5772	5740
80°	6854	4844	5009
85°	4476	3983	4258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.9	2.7
10°-20°	393.5	7.7
20°-30°	598.3	11.7
30°-40°	726.3	14.2
40°-50°	767.5	15.0
50°-60°	718.2	14.0
60°-70°	589.3	11.5
70°-80°	405.3	7.9
80°-90°	222.0	4.3
90°-100°	142.9	2.8
100°-110°	128.3	2.5
110°-120°	106.2	2.1
120°-130°	81.7	1.6
130°-140°	57.4	1.1
140°-150°	34.6	0.7
150°-160°	16.6	0.3
160°-170°	5.4	0.1
170°-180°	0.6	0.0
0°-30°	1128.7	22.0
0°-40°	1855.0	36.2
0°-60°	3340.7	65.1
0°-90°	4557.2	88.8
90°-120°	377.4	7.4
90°-150°	551.2	10.7
90°-180°	574.0	11.2
0°-180°	5131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1441	1441	1441	1441	1441	
5°	1447	1444	1429	1441	1438	137
15°	1385	1391	1388	1406	1406	391
25°	1266	1281	1296	1322	1322	583
35°	1102	1129	1162	1195	1204	689
45°	906	948	1002	1046	1058	699
55°	690	746	814	865	883	617
65°	467	529	609	666	684	462
75°	244	309	398	461	481	257
85°	54	128	217	276	297	62
90°	0	71	152	208	229	4
95°	0	68	146	199	220	0
105°	0	56	137	187	205	2
115°	3	50	116	166	187	3
125°	3	42	98	143	160	3
135°	3	33	80	116	131	2
145°	3	24	56	89	98	2
155°	3	15	36	56	65	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°	1441.3	1441.3	1441.3	1441.3	1441.3
2.5°	1450.2	1447.3	1432.4	1444.3	1438.3
5°	1447.3	1444.3	1429.4	1441.3	1438.3
7.5°	1435.4	1435.4	1426.5	1438.3	1435.4
10°	1423.5	1423.5	1414.6	1429.4	1426.5
12.5°	1405.6	1408.6	1402.7	1420.5	1417.5
15°	1384.8	1390.8	1387.8	1405.6	1405.6
17.5°	1361.1	1367.0	1367.0	1387.8	1387.8
20°	1331.4	1340.3	1346.2	1370.0	1370.0
22.5°	1301.6	1313.5	1322.4	1343.2	1352.2
25°	1266.0	1280.8	1295.7	1322.4	1322.4
27.5°	1230.3	1248.1	1266.0	1292.7	1295.7
30°	1188.7	1209.5	1233.3	1260.0	1266.0
32.5°	1147.1	1173.9	1197.6	1230.3	1239.2
35°	1102.5	1129.3	1162.0	1194.7	1203.6
37.5°	1052.0	1084.7	1126.3	1162.0	1170.9
40°	1007.4	1043.1	1084.7	1126.3	1135.2
42.5°	956.9	995.5	1046.1	1084.7	1099.6
45°	906.4	948.0	1001.5	1046.1	1058.0
47.5°	852.9	900.4	959.9	1001.5	1016.3
50°	799.4	849.9	912.3	959.9	971.8
52.5°	745.9	799.4	864.8	912.3	927.2
55°	689.5	745.9	814.3	864.8	882.6
57.5°	636.0	692.4	763.7	817.2	835.1
60°	576.5	641.9	713.2	766.7	787.5
62.5°	526.0	585.4	662.7	716.2	734.0
65°	466.6	529.0	609.2	665.7	683.5
67.5°	410.1	475.5	555.7	615.2	633.0
70°	353.6	419.0	505.2	561.7	582.5
72.5°	297.2	365.5	448.7	511.1	531.9
75°	243.7	309.1	398.2	460.6	481.4
77.5°	187.2	258.5	347.7	410.1	433.9
80°	136.7	211.0	300.1	362.6	386.3
82.5°	92.1	166.4	255.6	318.0	341.8
85°	53.5	127.8	216.9	276.4	297.2
87.5°	26.7	98.1	181.3	240.7	261.5
90°	0.0	71.3	151.6	208.0	228.8
92.5°	0.0	68.4	148.6	202.1	222.9
95°	0.0	68.4	145.6	199.1	219.9
97.5°	0.0	65.4	142.6	199.1	216.9
100°	0.0	62.4	142.6	196.1	214.0
102.5°	0.0	59.4	139.7	193.2	211.0
105°	0.0	56.5	136.7	187.2	205.1
107.5°	3.0	56.5	130.8	184.2	202.1
110°	3.0	53.5	124.8	181.3	199.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.5	118.9	175.3	193.2
115°	3.0	50.5	115.9	166.4	187.2
117.5°	3.0	47.5	110.0	160.5	181.3
120°	3.0	47.5	107.0	154.5	172.4
122.5°	3.0	44.6	101.0	148.6	166.4
125°	3.0	41.6	98.1	142.6	160.5
127.5°	3.0	38.6	95.1	136.7	154.5
130°	3.0	35.7	89.2	130.8	145.6
132.5°	3.0	35.7	86.2	121.8	139.7
135°	3.0	32.7	80.2	115.9	130.8
137.5°	3.0	29.7	74.3	110.0	124.8
140°	3.0	26.7	68.4	104.0	115.9
142.5°	3.0	26.7	62.4	95.1	107.0
145°	3.0	23.8	56.5	89.2	98.1
147.5°	3.0	20.8	50.5	80.2	89.2
150°	3.0	20.8	44.6	71.3	80.2
152.5°	3.0	17.8	38.6	65.4	74.3
155°	3.0	14.9	35.7	56.5	65.4
157.5°	3.0	14.9	29.7	47.5	56.5
160°	3.0	11.9	26.7	38.6	47.5
162.5°	3.0	11.9	23.8	32.7	41.6
165°	3.0	8.9	17.8	26.7	32.7
167.5°	3.0	8.9	14.9	20.8	26.7
170°	3.0	5.9	11.9	14.9	20.8
172.5°	3.0	5.9	8.9	8.9	8.9
175°	3.0	3.0	5.9	5.9	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)