

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: P567103

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567103
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-CC83-CD-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

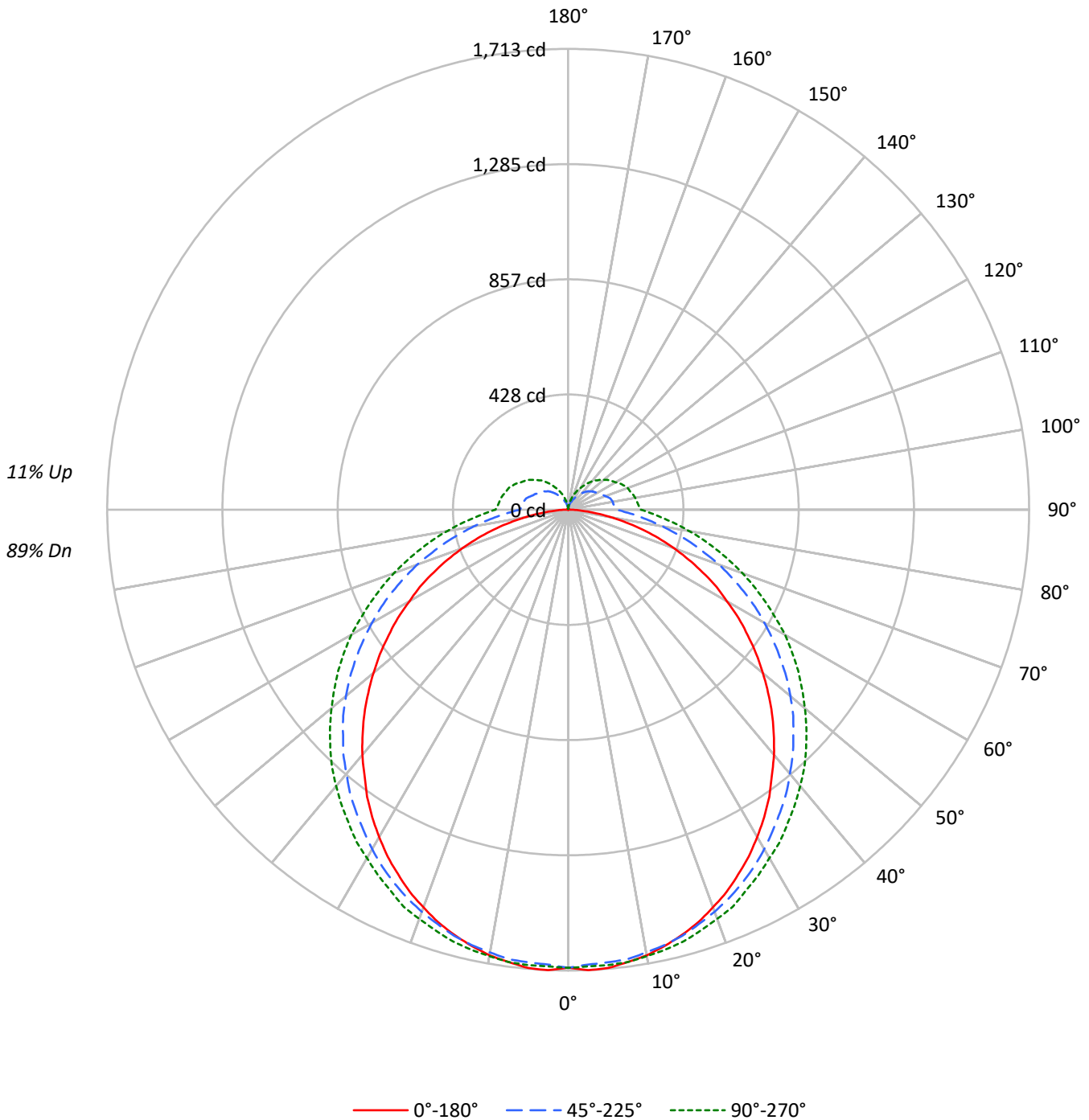
Lumens per Lamp: N/A
Luminaire Lumens: 6062.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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°	18329	18329	18329
5°	18408	17481	17349
10°	18248	16784	16483
15°	18031	16109	15701
20°	17748	15410	14920
25°	17425	14738	14155
30°	17045	14048	13423
35°	16631	13355	12739
40°	16159	12678	12085
45°	15650	12000	11416
50°	15068	11303	10714
55°	14427	10525	10025
60°	13676	9713	9296
65°	12887	8839	8465
70°	11798	7906	7649
75°	10362	6820	6782
80°	8097	5723	5917
85°	5287	4707	5030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	2.7
10°-20°	464.9	7.7
20°-30°	706.9	11.7
30°-40°	858.1	14.2
40°-50°	906.7	15.0
50°-60°	848.5	14.0
60°-70°	696.2	11.5
70°-80°	478.9	7.9
80°-90°	262.2	4.3
90°-100°	168.8	2.8
100°-110°	151.5	2.5
110°-120°	125.4	2.1
120°-130°	96.6	1.6
130°-140°	67.9	1.1
140°-150°	40.9	0.7
150°-160°	19.6	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1333.5	22.0
0°-40°	2191.6	36.2
0°-60°	3946.8	65.1
0°-90°	5384.1	88.8
90°-120°	445.8	7.4
90°-150°	651.1	10.7
90°-180°	678.0	11.2
0°-180°	6062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1703	1703	1703	1703	1703	
5°	1710	1706	1689	1703	1699	162
15°	1636	1643	1640	1661	1661	461
25°	1496	1513	1531	1562	1562	689
35°	1303	1334	1373	1411	1422	814
45°	1071	1120	1183	1236	1250	825
55°	814	881	962	1022	1043	729
65°	551	625	720	786	808	546
75°	288	365	470	544	569	303
85°	63	151	256	326	351	73
90°	0	84	179	246	270	4
95°	0	81	172	235	260	0
105°	0	67	162	221	242	2
115°	4	60	137	197	221	3
125°	4	49	116	168	190	3
135°	4	39	95	137	154	3
145°	4	28	67	105	116	2
155°	4	18	42	67	77	2
165°	4	10	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1713.4	1709.9	1692.3	1706.3	1699.3
5°	1709.9	1706.3	1688.8	1702.8	1699.3
7.5°	1695.8	1695.8	1685.3	1699.3	1695.8
10°	1681.8	1681.8	1671.2	1688.8	1685.3
12.5°	1660.7	1664.2	1657.2	1678.3	1674.7
15°	1636.1	1643.1	1639.6	1660.7	1660.7
17.5°	1608.0	1615.1	1615.1	1639.6	1639.6
20°	1572.9	1583.5	1590.5	1618.6	1618.6
22.5°	1537.8	1551.9	1562.4	1587.0	1597.5
25°	1495.7	1513.2	1530.8	1562.4	1562.4
27.5°	1453.5	1474.6	1495.7	1527.3	1530.8
30°	1404.4	1429.0	1457.1	1488.7	1495.7
32.5°	1355.2	1386.8	1414.9	1453.5	1464.1
35°	1302.6	1334.2	1372.8	1411.4	1422.0
37.5°	1242.9	1281.5	1330.7	1372.8	1383.3
40°	1190.2	1232.4	1281.5	1330.7	1341.2
42.5°	1130.5	1176.2	1235.9	1281.5	1299.1
45°	1070.9	1120.0	1183.2	1235.9	1249.9
47.5°	1007.7	1063.8	1134.0	1183.2	1200.8
50°	944.5	1004.1	1077.9	1134.0	1148.1
52.5°	881.3	944.5	1021.7	1077.9	1095.4
55°	814.5	881.3	962.0	1021.7	1042.8
57.5°	751.4	818.1	902.3	965.5	986.6
60°	681.1	758.4	842.6	905.8	930.4
62.5°	621.4	691.7	783.0	846.1	867.2
65°	551.2	625.0	719.8	786.5	807.5
67.5°	484.5	561.8	656.6	726.8	747.8
70°	417.8	495.0	596.9	663.6	688.2
72.5°	351.1	431.9	530.2	603.9	628.5
75°	287.9	365.1	470.5	544.2	568.8
77.5°	221.2	305.5	410.8	484.5	512.6
80°	161.5	249.3	354.6	428.3	456.4
82.5°	108.8	196.6	301.9	375.7	403.8
85°	63.2	151.0	256.3	326.5	351.1
87.5°	31.6	115.9	214.2	284.4	309.0
90°	0.0	84.3	179.1	245.8	270.3
92.5°	0.0	80.8	175.5	238.7	263.3
95°	0.0	80.8	172.0	235.2	259.8
97.5°	0.0	77.2	168.5	235.2	256.3
100°	0.0	73.7	168.5	231.7	252.8
102.5°	0.0	70.2	165.0	228.2	249.3
105°	0.0	66.7	161.5	221.2	242.3
107.5°	3.5	66.7	154.5	217.7	238.7
110°	3.5	63.2	147.5	214.2	235.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	59.7	140.4	207.1	228.2
115°	3.5	59.7	136.9	196.6	221.2
117.5°	3.5	56.2	129.9	189.6	214.2
120°	3.5	56.2	126.4	182.6	203.6
122.5°	3.5	52.7	119.4	175.5	196.6
125°	3.5	49.2	115.9	168.5	189.6
127.5°	3.5	45.6	112.4	161.5	182.6
130°	3.5	42.1	105.3	154.5	172.0
132.5°	3.5	42.1	101.8	144.0	165.0
135°	3.5	38.6	94.8	136.9	154.5
137.5°	3.5	35.1	87.8	129.9	147.5
140°	3.5	31.6	80.8	122.9	136.9
142.5°	3.5	31.6	73.7	112.4	126.4
145°	3.5	28.1	66.7	105.3	115.9
147.5°	3.5	24.6	59.7	94.8	105.3
150°	3.5	24.6	52.7	84.3	94.8
152.5°	3.5	21.1	45.6	77.2	87.8
155°	3.5	17.6	42.1	66.7	77.2
157.5°	3.5	17.6	35.1	56.2	66.7
160°	3.5	14.0	31.6	45.6	56.2
162.5°	3.5	14.0	28.1	38.6	49.2
165°	3.5	10.5	21.1	31.6	38.6
167.5°	3.5	10.5	17.6	24.6	31.6
170°	3.5	7.0	14.0	17.6	24.6
172.5°	3.5	7.0	10.5	10.5	10.5
175°	3.5	3.5	7.0	7.0	3.5
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)