

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: P567106

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567106
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-5000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

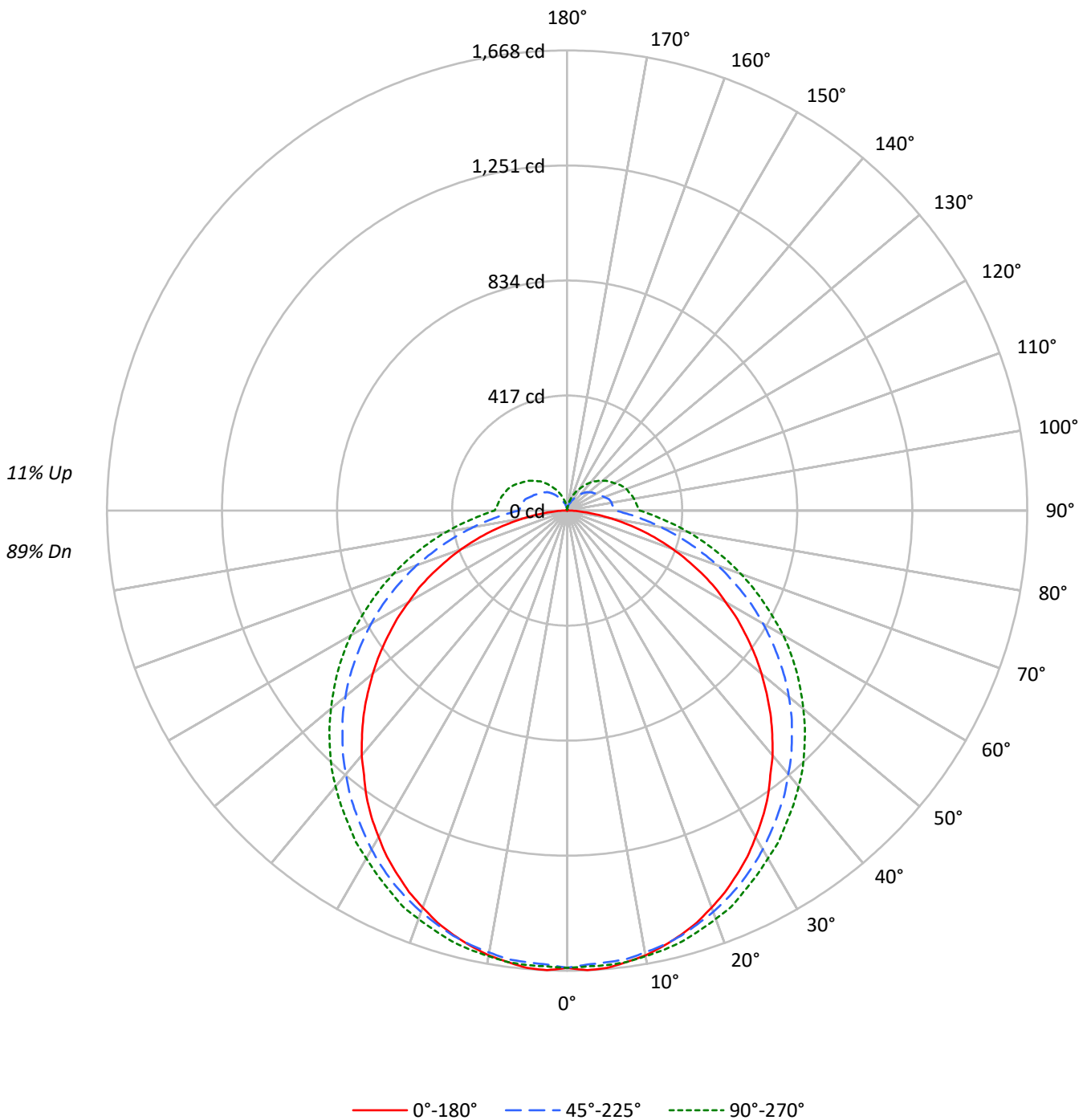
Lumens per Lamp: N/A
Luminaire Lumens: 5900.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 51.1
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°	17839	17839	17839
5°	17916	17015	16886
10°	17760	16336	16042
15°	17549	15679	15282
20°	17274	14998	14521
25°	16959	14345	13777
30°	16590	13672	13064
35°	16187	12998	12398
40°	15727	12340	11762
45°	15230	11680	11111
50°	14664	11001	10427
55°	14042	10243	9757
60°	13310	9454	9047
65°	12544	8602	8238
70°	11482	7694	7444
75°	10085	6637	6601
80°	7882	5570	5759
85°	5145	4582	4896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	2.7
10°-20°	452.5	7.7
20°-30°	688.0	11.7
30°-40°	835.2	14.2
40°-50°	882.5	15.0
50°-60°	825.8	14.0
60°-70°	677.6	11.5
70°-80°	466.1	7.9
80°-90°	255.2	4.3
90°-100°	164.3	2.8
100°-110°	147.5	2.5
110°-120°	122.1	2.1
120°-130°	94.0	1.6
130°-140°	66.1	1.1
140°-150°	39.8	0.7
150°-160°	19.1	0.3
160°-170°	6.3	0.1
170°-180°	0.7	0.0
0°-30°	1297.9	22.0
0°-40°	2133.0	36.2
0°-60°	3841.3	65.1
0°-90°	5240.2	88.8
90°-120°	433.9	7.4
90°-150°	633.7	10.7
90°-180°	660.0	11.2
0°-180°	5900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1664	1661	1644	1657	1654	158
15°	1592	1599	1596	1616	1616	449
25°	1456	1473	1490	1521	1521	671
35°	1268	1298	1336	1374	1384	792
45°	1042	1090	1152	1203	1216	803
55°	793	858	936	994	1015	709
65°	536	608	700	765	786	531
75°	280	355	458	530	554	295
85°	62	147	250	318	342	71
90°	0	82	174	239	263	4
95°	0	79	167	229	253	0
105°	0	65	157	215	236	2
115°	3	58	133	191	215	3
125°	3	48	113	164	184	3
135°	3	38	92	133	150	3
145°	3	27	65	102	113	2
155°	3	17	41	65	75	2
165°	3	10	20	31	38	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1657.3	1657.3	1657.3	1657.3	1657.3
2.5°	1667.6	1664.2	1647.1	1660.7	1653.9
5°	1664.2	1660.7	1643.7	1657.3	1653.9
7.5°	1650.5	1650.5	1640.2	1653.9	1650.5
10°	1636.8	1636.8	1626.6	1643.7	1640.2
12.5°	1616.3	1619.7	1612.9	1633.4	1630.0
15°	1592.4	1599.2	1595.8	1616.3	1616.3
17.5°	1565.1	1571.9	1571.9	1595.8	1595.8
20°	1530.9	1541.1	1548.0	1575.3	1575.3
22.5°	1496.7	1510.4	1520.6	1544.6	1554.8
25°	1455.7	1472.8	1489.9	1520.6	1520.6
27.5°	1414.7	1435.2	1455.7	1486.5	1489.9
30°	1366.9	1390.8	1418.1	1448.9	1455.7
32.5°	1319.0	1349.8	1377.1	1414.7	1425.0
35°	1267.8	1298.5	1336.1	1373.7	1384.0
37.5°	1209.7	1247.3	1295.1	1336.1	1346.4
40°	1158.4	1199.4	1247.3	1295.1	1305.4
42.5°	1100.3	1144.7	1202.8	1247.3	1264.4
45°	1042.2	1090.1	1151.6	1202.8	1216.5
47.5°	980.7	1035.4	1103.7	1151.6	1168.7
50°	919.2	977.3	1049.1	1103.7	1117.4
52.5°	857.7	919.2	994.4	1049.1	1066.2
55°	792.8	857.7	936.3	994.4	1014.9
57.5°	731.3	796.2	878.2	939.7	960.2
60°	662.9	738.1	820.1	881.6	905.5
62.5°	604.8	673.2	762.0	823.5	844.0
65°	536.5	608.3	700.5	765.4	785.9
67.5°	471.6	546.7	639.0	707.4	727.9
70°	406.6	481.8	580.9	645.8	669.8
72.5°	341.7	420.3	516.0	587.8	611.7
75°	280.2	355.4	457.9	529.7	553.6
77.5°	215.3	297.3	399.8	471.6	498.9
80°	157.2	242.6	345.1	416.9	444.2
82.5°	105.9	191.4	293.9	365.6	393.0
85°	61.5	146.9	249.5	317.8	341.7
87.5°	30.8	112.8	208.4	276.8	300.7
90°	0.0	82.0	174.3	239.2	263.1
92.5°	0.0	78.6	170.9	232.4	256.3
95°	0.0	78.6	167.4	228.9	252.9
97.5°	0.0	75.2	164.0	228.9	249.5
100°	0.0	71.8	164.0	225.5	246.0
102.5°	0.0	68.3	160.6	222.1	242.6
105°	0.0	64.9	157.2	215.3	235.8
107.5°	3.4	64.9	150.4	211.9	232.4
110°	3.4	61.5	143.5	208.4	228.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	58.1	136.7	201.6	222.1
115°	3.4	58.1	133.3	191.4	215.3
117.5°	3.4	54.7	126.4	184.5	208.4
120°	3.4	54.7	123.0	177.7	198.2
122.5°	3.4	51.3	116.2	170.9	191.4
125°	3.4	47.8	112.8	164.0	184.5
127.5°	3.4	44.4	109.3	157.2	177.7
130°	3.4	41.0	102.5	150.4	167.4
132.5°	3.4	41.0	99.1	140.1	160.6
135°	3.4	37.6	92.3	133.3	150.4
137.5°	3.4	34.2	85.4	126.4	143.5
140°	3.4	30.8	78.6	119.6	133.3
142.5°	3.4	30.8	71.8	109.3	123.0
145°	3.4	27.3	64.9	102.5	112.8
147.5°	3.4	23.9	58.1	92.3	102.5
150°	3.4	23.9	51.3	82.0	92.3
152.5°	3.4	20.5	44.4	75.2	85.4
155°	3.4	17.1	41.0	64.9	75.2
157.5°	3.4	17.1	34.2	54.7	64.9
160°	3.4	13.7	30.8	44.4	54.7
162.5°	3.4	13.7	27.3	37.6	47.8
165°	3.4	10.3	20.5	30.8	37.6
167.5°	3.4	10.3	17.1	23.9	30.8
170°	3.4	6.8	13.7	17.1	23.9
172.5°	3.4	6.8	10.3	10.3	10.3
175°	3.4	3.4	6.8	6.8	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)