

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: P567100

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567100
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-3500K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

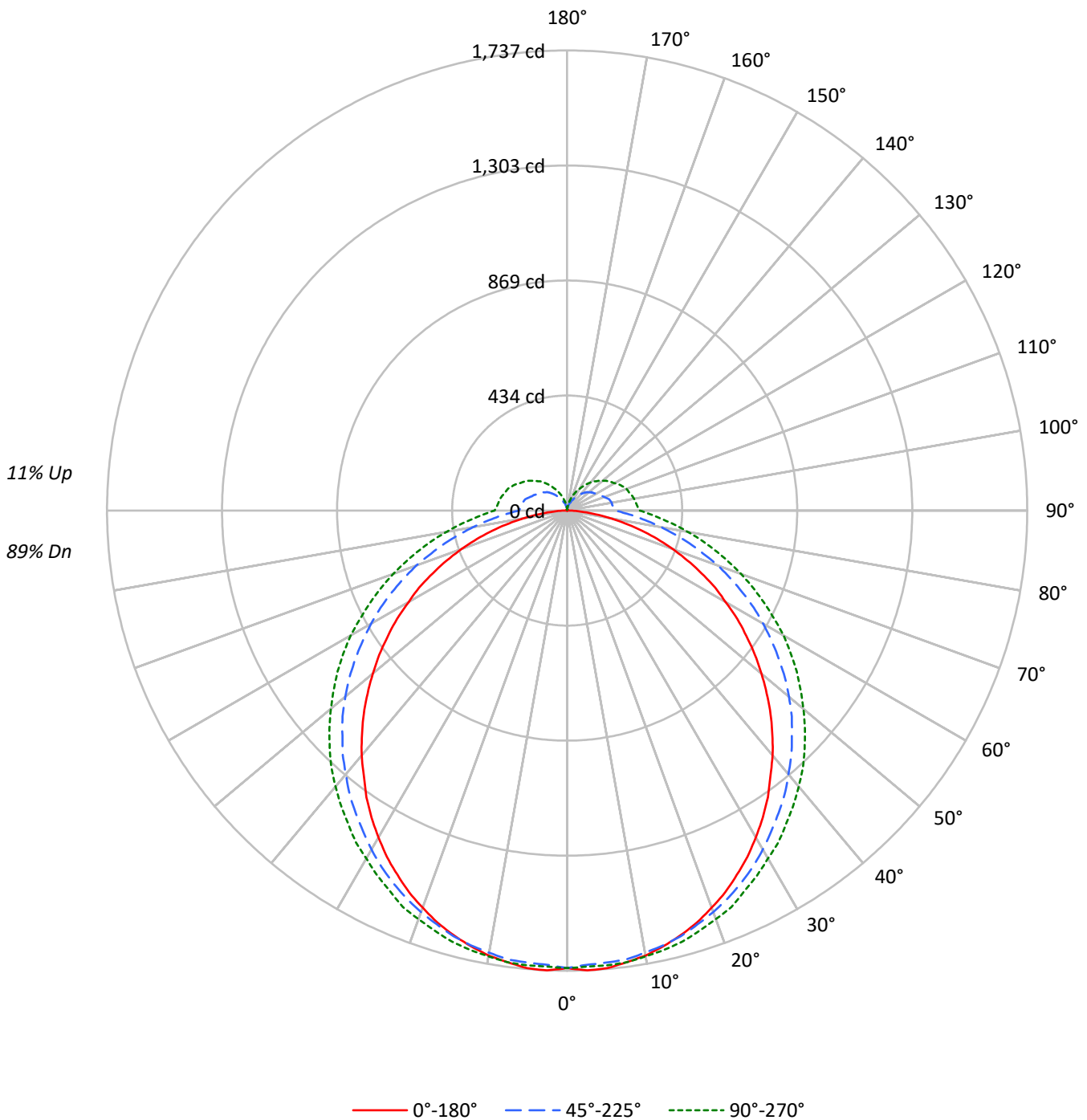
Lumens per Lamp: N/A
Luminaire Lumens: 6147.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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°	18586	18586	18586
5°	18666	17727	17592
10°	18503	17020	16713
15°	18284	16335	15922
20°	17997	15626	15129
25°	17670	14945	14354
30°	17284	14245	13612
35°	16864	13542	12917
40°	16386	12856	12254
45°	15869	12169	11576
50°	15279	11461	10864
55°	14630	10672	10165
60°	13868	9850	9427
65°	13070	8962	8584
70°	11965	8016	7755
75°	10506	6915	6877
80°	8213	5804	6000
85°	5363	4773	5100



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	2.7
10°-20°	471.4	7.7
20°-30°	716.8	11.7
30°-40°	870.1	14.2
40°-50°	919.5	15.0
50°-60°	860.4	14.0
60°-70°	706.0	11.5
70°-80°	485.6	7.9
80°-90°	265.9	4.3
90°-100°	171.2	2.8
100°-110°	153.6	2.5
110°-120°	127.2	2.1
120°-130°	97.9	1.6
130°-140°	68.8	1.1
140°-150°	41.5	0.7
150°-160°	19.9	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1352.2	22.0
0°-40°	2222.3	36.2
0°-60°	4002.2	65.1
0°-90°	5459.6	88.8
90°-120°	452.1	7.4
90°-150°	660.3	10.7
90°-180°	687.0	11.2
0°-180°	6147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1727	1727	1727	1727	1727	
5°	1734	1730	1712	1727	1723	164
15°	1659	1666	1663	1684	1684	468
25°	1517	1534	1552	1584	1584	699
35°	1321	1353	1392	1431	1442	825
45°	1086	1136	1200	1253	1267	837
55°	826	894	976	1036	1057	739
65°	559	634	730	798	819	554
75°	292	370	477	552	577	307
85°	64	153	260	331	356	74
90°	0	85	182	249	274	4
95°	0	82	174	238	264	0
105°	0	68	164	224	246	2
115°	4	60	139	199	224	4
125°	4	50	118	171	192	3
135°	4	39	96	139	157	3
145°	4	28	68	107	118	2
155°	4	18	43	68	78	2
165°	4	11	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°	1726.7	1726.7	1726.7	1726.7	1726.7
2.5°	1737.4	1733.8	1716.0	1730.3	1723.1
5°	1733.8	1730.3	1712.5	1726.7	1723.1
7.5°	1719.6	1719.6	1708.9	1723.1	1719.6
10°	1705.3	1705.3	1694.7	1712.5	1708.9
12.5°	1684.0	1687.5	1680.4	1701.8	1698.2
15°	1659.1	1666.2	1662.6	1684.0	1684.0
17.5°	1630.6	1637.7	1637.7	1662.6	1662.6
20°	1595.0	1605.7	1612.8	1641.3	1641.3
22.5°	1559.4	1573.6	1584.3	1609.2	1619.9
25°	1516.7	1534.5	1552.3	1584.3	1584.3
27.5°	1473.9	1495.3	1516.7	1548.7	1552.3
30°	1424.1	1449.0	1477.5	1509.5	1516.7
32.5°	1374.2	1406.3	1434.8	1473.9	1484.6
35°	1320.8	1352.9	1392.0	1431.2	1441.9
37.5°	1260.3	1299.5	1349.3	1392.0	1402.7
40°	1206.9	1249.6	1299.5	1349.3	1360.0
42.5°	1146.4	1192.7	1253.2	1299.5	1317.3
45°	1085.9	1135.7	1199.8	1253.2	1267.4
47.5°	1021.8	1078.7	1150.0	1199.8	1217.6
50°	957.7	1018.2	1093.0	1150.0	1164.2
52.5°	893.6	957.7	1036.0	1093.0	1110.8
55°	826.0	893.6	975.5	1036.0	1057.4
57.5°	761.9	829.5	915.0	979.1	1000.4
60°	690.7	769.0	854.5	918.5	943.5
62.5°	630.2	701.4	793.9	858.0	879.4
65°	559.0	633.7	729.8	797.5	818.9
67.5°	491.3	569.6	665.8	737.0	758.3
70°	423.7	502.0	605.2	672.9	697.8
72.5°	356.0	437.9	537.6	612.4	637.3
75°	291.9	370.3	477.1	551.8	576.8
77.5°	224.3	309.7	416.5	491.3	519.8
80°	163.8	252.8	359.6	434.3	462.8
82.5°	110.4	199.4	306.2	380.9	409.4
85°	64.1	153.1	259.9	331.1	356.0
87.5°	32.0	117.5	217.2	288.4	313.3
90°	0.0	85.4	181.6	249.2	274.1
92.5°	0.0	81.9	178.0	242.1	267.0
95°	0.0	81.9	174.5	238.5	263.5
97.5°	0.0	78.3	170.9	238.5	259.9
100°	0.0	74.8	170.9	235.0	256.3
102.5°	0.0	71.2	167.3	231.4	252.8
105°	0.0	67.6	163.8	224.3	245.7
107.5°	3.6	67.6	156.6	220.7	242.1
110°	3.6	64.1	149.5	217.2	238.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.5	142.4	210.1	231.4
115°	3.6	60.5	138.8	199.4	224.3
117.5°	3.6	57.0	131.7	192.3	217.2
120°	3.6	57.0	128.2	185.1	206.5
122.5°	3.6	53.4	121.0	178.0	199.4
125°	3.6	49.8	117.5	170.9	192.3
127.5°	3.6	46.3	113.9	163.8	185.1
130°	3.6	42.7	106.8	156.6	174.5
132.5°	3.6	42.7	103.2	146.0	167.3
135°	3.6	39.2	96.1	138.8	156.6
137.5°	3.6	35.6	89.0	131.7	149.5
140°	3.6	32.0	81.9	124.6	138.8
142.5°	3.6	32.0	74.8	113.9	128.2
145°	3.6	28.5	67.6	106.8	117.5
147.5°	3.6	24.9	60.5	96.1	106.8
150°	3.6	24.9	53.4	85.4	96.1
152.5°	3.6	21.4	46.3	78.3	89.0
155°	3.6	17.8	42.7	67.6	78.3
157.5°	3.6	17.8	35.6	57.0	67.6
160°	3.6	14.2	32.0	46.3	57.0
162.5°	3.6	14.2	28.5	39.2	49.8
165°	3.6	10.7	21.4	32.0	39.2
167.5°	3.6	10.7	17.8	24.9	32.0
170°	3.6	7.1	14.2	17.8	24.9
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)