

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: P565861

Luminaire Tested: **2SNX-SL3-LC-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LC-UNV-CC93-CD-3500K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

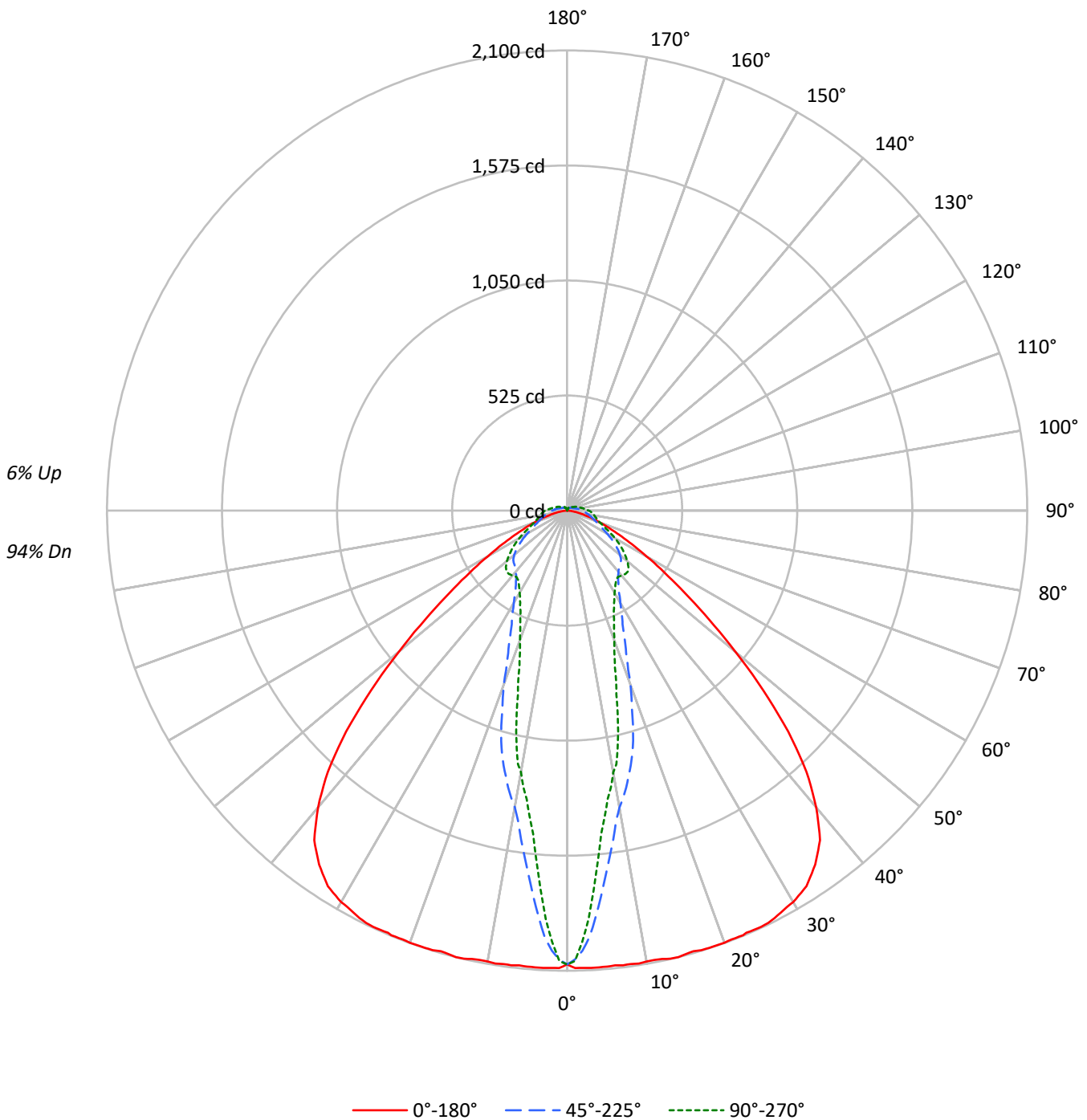
Lumens per Lamp: N/A
Luminaire Lumens: 2553.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21
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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44586	44586	44586
5°	44825	36531	32779
10°	45013	27515	23723
15°	45665	22441	16427
20°	46662	16205	11602
25°	47925	11586	9127
30°	48935	9238	7774
35°	48993	7798	6962
40°	46462	7073	6980
45°	40078	6820	7170
50°	30533	6470	6691
55°	21942	5645	5937
60°	15754	4697	5019
65°	11310	3961	4115
70°	8174	3486	3548
75°	5647	3213	3307
80°	3527	2994	3257
85°	1493	2837	3261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	6.4
10°-20°	353.7	13.9
20°-30°	404.9	15.9
30°-40°	405.6	15.9
40°-50°	383.9	15.0
50°-60°	294.4	11.5
60°-70°	189.8	7.4
70°-80°	121.0	4.7
80°-90°	80.4	3.1
90°-100°	54.0	2.1
100°-110°	35.6	1.4
110°-120°	24.8	1.0
120°-130°	17.3	0.7
130°-140°	12.0	0.5
140°-150°	7.3	0.3
150°-160°	3.7	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	921.4	36.1
0°-40°	1327.0	52.0
0°-60°	2005.4	78.5
0°-90°	2396.6	93.9
90°-120°	114.4	4.5
90°-150°	151.0	5.9
90°-180°	156.0	6.1
0°-180°	2553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2071	2071	2071	2071	2071	
5°	2089	1974	1769	1650	1605	199
15°	2095	1508	1150	945	869	594
25°	2096	1068	608	529	504	966
35°	1973	594	407	394	389	1224
45°	1426	376	343	379	392	1084
55°	654	268	264	297	309	602
65°	262	169	166	190	196	269
75°	89	92	115	132	139	98
85°	12	42	81	106	114	16
90°	0	29	68	94	98	1
95°	0	21	56	77	81	0
105°	0	16	37	52	56	1
115°	1	13	28	38	41	1
125°	1	12	24	28	29	1
135°	1	9	18	22	24	1
145°	1	6	13	17	18	1
155°	1	4	8	12	13	1
165°	3	3	5	6	8	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2071.1	2071.1	2071.1	2071.1	2071.1
1°	2088.1	2076.4	2048.9	2056.7	2055.4
2°	2088.1	2063.3	2009.6	1993.9	1970.4
3°	2089.4	2041.0	1949.4	1898.4	1865.7
4°	2089.4	2008.3	1860.5	1775.4	1733.6
5°	2089.4	1974.3	1768.9	1649.8	1605.3
6°	2086.8	1933.7	1676.0	1550.4	1483.7
7°	2090.7	1889.3	1592.3	1457.5	1405.2
8°	2089.4	1836.9	1515.1	1386.9	1329.3
9°	2093.4	1785.9	1431.3	1320.1	1276.9
10°	2089.4	1738.8	1376.4	1257.3	1212.8
11°	2089.4	1693.0	1337.1	1216.8	1178.8
12°	2092.1	1640.7	1294.0	1159.2	1106.9
13°	2098.6	1587.0	1244.2	1096.4	1034.9
14°	2099.9	1546.5	1198.4	1016.6	952.5
15°	2094.7	1508.5	1150.0	944.6	868.7
16°	2092.1	1469.3	1092.5	876.6	808.6
17°	2097.3	1423.5	1027.1	807.3	744.5
18°	2098.6	1381.6	957.7	754.9	700.0
19°	2098.6	1348.9	901.5	706.5	659.4
20°	2098.6	1317.5	843.9	669.9	629.3
21°	2096.0	1278.3	778.5	631.9	597.9
22.5°	2097.3	1205.0	703.9	587.4	560.0
23°	2093.4	1186.7	685.6	575.7	546.9
24°	2094.7	1134.3	646.3	552.1	524.6
25°	2096.0	1067.6	608.4	528.6	503.7
26°	2093.4	1014.0	577.0	506.3	489.3
27°	2086.8	970.8	554.7	488.0	472.3
28°	2077.7	913.2	531.2	472.3	457.9
29°	2068.5	847.8	507.6	455.3	444.8
30°	2063.3	795.5	485.4	442.2	433.1
32.5°	2031.9	692.1	439.6	416.1	408.2
35°	1973.0	594.0	406.9	393.8	388.6
37.5°	1895.8	518.1	382.0	379.4	380.7
40°	1768.9	457.9	363.7	375.5	387.3
42.5°	1617.1	410.8	350.6	379.4	392.5
45°	1426.1	375.5	342.8	379.4	392.5
47.5°	1214.1	346.7	333.6	366.3	379.4
50°	1002.2	320.5	315.3	346.7	358.5
52.5°	815.1	295.7	291.8	321.9	333.6
55°	654.2	268.2	264.3	297.0	308.8
57.5°	524.6	242.0	238.1	268.2	280.0
60°	418.7	215.9	209.3	239.4	251.2
62.5°	333.6	191.0	187.1	213.3	223.7
65°	261.7	168.8	166.2	189.7	196.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	206.7	147.8	149.2	168.8	176.6
70°	159.6	128.2	136.1	154.4	159.6
72.5°	120.4	108.6	125.6	141.3	147.8
75°	89.0	91.6	115.1	132.1	138.7
77.5°	61.5	75.9	106.0	124.3	130.8
80°	41.9	61.5	96.8	117.8	125.6
82.5°	24.9	51.0	89.0	111.2	120.4
85°	11.8	41.9	81.1	106.0	113.8
87.5°	3.9	34.0	73.3	100.7	107.3
90°	0.0	28.8	68.0	94.2	98.1
92.5°	0.0	24.9	61.5	86.4	89.0
95°	0.0	20.9	56.3	77.2	81.1
97.5°	0.0	19.6	52.3	69.3	74.6
100°	0.0	18.3	47.1	62.8	68.0
102.5°	0.0	15.7	41.9	56.3	61.5
105°	0.0	15.7	36.6	52.3	56.3
107.5°	1.3	14.4	34.0	47.1	52.3
110°	1.3	14.4	30.1	44.5	48.4
112.5°	1.3	14.4	28.8	40.6	45.8
115°	1.3	13.1	27.5	37.9	40.6
117.5°	1.3	13.1	26.2	34.0	36.6
120°	1.3	11.8	24.9	31.4	32.7
122.5°	1.3	11.8	23.6	28.8	30.1
125°	1.3	11.8	23.6	27.5	28.8
127.5°	1.3	10.5	22.2	26.2	26.2
130°	1.3	10.5	20.9	24.9	24.9
132.5°	1.3	9.2	19.6	23.6	24.9
135°	1.3	9.2	18.3	22.2	23.6
137.5°	1.3	7.9	17.0	20.9	22.2
140°	1.3	7.9	15.7	19.6	20.9
142.5°	1.3	6.5	14.4	18.3	19.6
145°	1.3	6.5	13.1	17.0	18.3
147.5°	1.3	6.5	11.8	15.7	17.0
150°	1.3	5.2	10.5	14.4	15.7
152.5°	1.3	5.2	9.2	13.1	14.4
155°	1.3	3.9	7.9	11.8	13.1
157.5°	1.3	3.9	7.9	10.5	11.8
160°	2.6	3.9	6.5	9.2	10.5
162.5°	1.3	2.6	6.5	7.9	9.2
165°	2.6	2.6	5.2	6.5	7.9
167.5°	2.6	2.6	3.9	5.2	6.5
170°	2.6	2.6	3.9	3.9	5.2
172.5°	2.6	2.6	2.6	3.9	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	2.6	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)