

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: P567068

Luminaire Tested: **4SNX-SL3-LC-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567068  
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: 4SNX-SL3-LC-UNV-CC83-CD-4000K-LOW  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

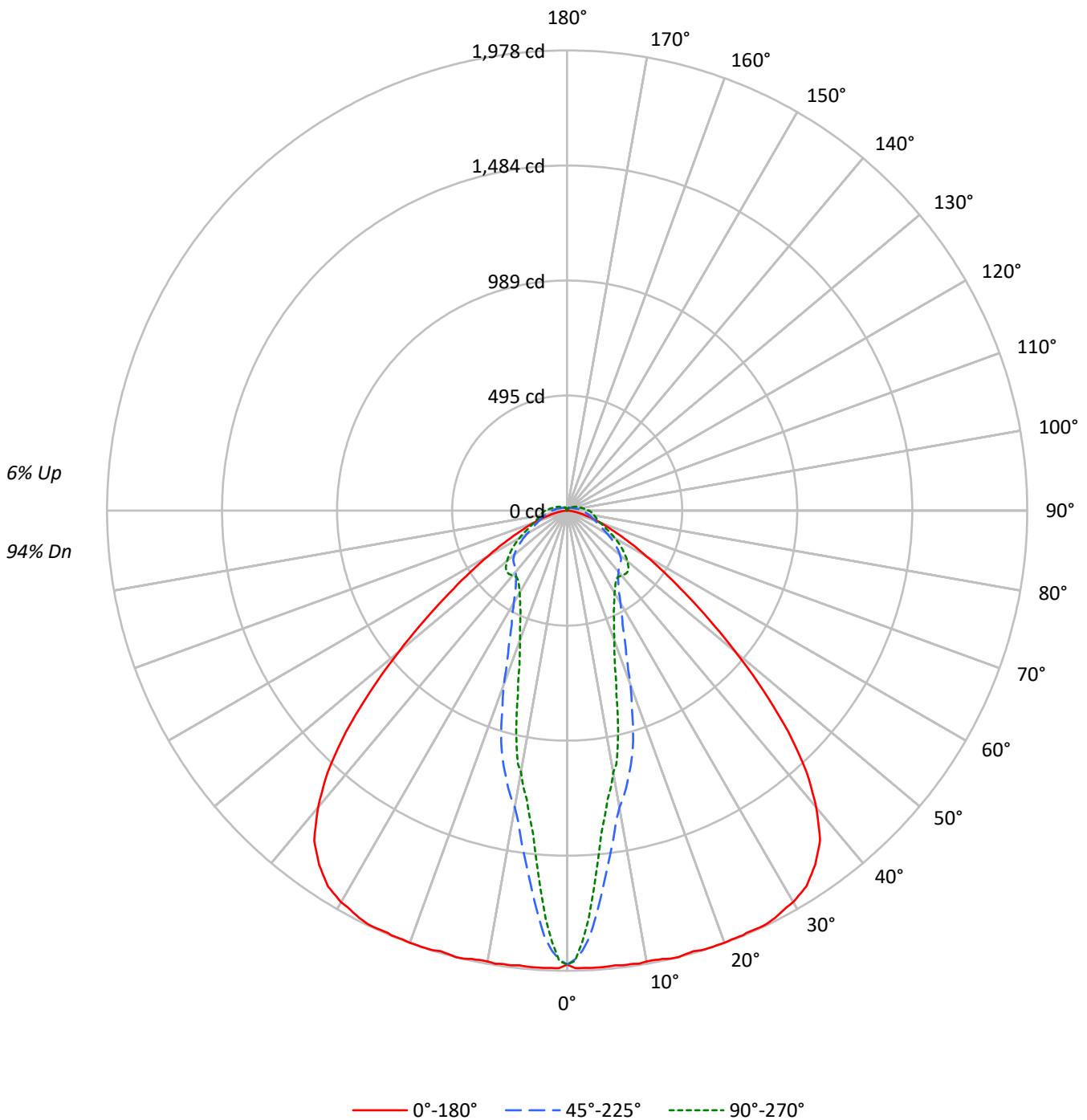
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2405.0 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 16.137  
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	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	21001	21001	21001
5°	21190	17249	15440
10°	21357	13022	11174
15°	21746	10644	7738
20°	22307	7702	5464
25°	23004	5518	4299
30°	23591	4409	3662
35°	23730	3729	3280
40°	22623	3389	3287
45°	19632	3275	3378
50°	15062	3114	3151
55°	10916	2724	2797
60°	7919	2273	2364
65°	5763	1922	1938
70°	4247	1698	1672
75°	3016	1573	1557
80°	1975	1472	1534
85°	929	1403	1536



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	6.4
10°-20°	333.2	13.9
20°-30°	381.4	15.9
30°-40°	382.1	15.9
40°-50°	361.7	15.0
50°-60°	277.4	11.5
60°-70°	178.8	7.4
70°-80°	114.0	4.7
80°-90°	75.7	3.1
90°-100°	50.9	2.1
100°-110°	33.5	1.4
110°-120°	23.3	1.0
120°-130°	16.3	0.7
130°-140°	11.3	0.5
140°-150°	6.9	0.3
150°-160°	3.5	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	868.0	36.1
0°-40°	1250.1	52.0
0°-60°	1889.1	78.6
0°-90°	2257.6	93.9
90°-120°	107.7	4.5
90°-150°	142.2	5.9
90°-180°	147.0	6.1
0°-180°	2405.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1951	1951	1951	1951	1951	
5°	1968	1860	1666	1554	1512	188
15°	1973	1421	1083	890	818	560
25°	1974	1006	573	498	474	910
35°	1859	560	383	371	366	1153
45°	1343	354	323	357	370	1021
55°	616	253	249	280	291	567
65°	246	159	156	179	185	254
75°	84	86	108	124	131	92
85°	11	39	76	100	107	15
90°	0	27	64	89	92	1
95°	0	20	53	73	76	0
105°	0	15	34	49	53	1
115°	1	12	26	36	38	1
125°	1	11	22	26	27	1
135°	1	9	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1951.1	1951.1	1951.1	1951.1	1951.1
1°	1967.1	1956.0	1930.1	1937.5	1936.3
2°	1967.1	1943.7	1893.1	1878.3	1856.1
3°	1968.3	1922.7	1836.4	1788.4	1757.5
4°	1968.3	1891.9	1752.6	1672.5	1633.1
5°	1968.3	1859.8	1666.3	1554.2	1512.3
6°	1965.8	1821.6	1578.8	1460.5	1397.7
7°	1969.5	1779.7	1500.0	1373.0	1323.7
8°	1968.3	1730.4	1427.2	1306.5	1252.2
9°	1972.0	1682.4	1348.4	1243.6	1202.9
10°	1968.3	1638.0	1296.6	1184.4	1142.5
11°	1968.3	1594.9	1259.6	1146.2	1110.5
12°	1970.8	1545.6	1218.9	1092.0	1042.7
13°	1976.9	1495.0	1172.1	1032.8	974.9
14°	1978.2	1456.8	1129.0	957.7	897.3
15°	1973.2	1421.1	1083.4	889.9	818.4
16°	1970.8	1384.1	1029.1	825.8	761.7
17°	1975.7	1341.0	967.5	760.5	701.3
18°	1976.9	1301.5	902.2	711.2	659.4
19°	1976.9	1270.7	849.2	665.6	621.2
20°	1976.9	1241.1	795.0	631.0	592.8
21°	1974.5	1204.2	733.3	595.3	563.3
22.5°	1975.7	1135.1	663.1	553.4	527.5
23°	1972.0	1117.9	645.8	542.3	515.2
24°	1973.2	1068.6	608.9	520.1	494.2
25°	1974.5	1005.7	573.1	497.9	474.5
26°	1972.0	955.2	543.5	477.0	461.0
27°	1965.8	914.5	522.6	459.7	444.9
28°	1957.2	860.3	500.4	444.9	431.4
29°	1948.6	798.7	478.2	428.9	419.1
30°	1943.7	749.4	457.3	416.6	408.0
32.5°	1914.1	652.0	414.1	391.9	384.5
35°	1858.6	559.6	383.3	371.0	366.1
37.5°	1785.9	488.1	359.9	357.4	358.7
40°	1666.3	431.4	342.6	353.7	364.8
42.5°	1523.4	387.0	330.3	357.4	369.8
45°	1343.4	353.7	322.9	357.4	369.8
47.5°	1143.8	326.6	314.3	345.1	357.4
50°	944.1	302.0	297.0	326.6	337.7
52.5°	767.8	278.5	274.8	303.2	314.3
55°	616.3	252.7	249.0	279.8	290.9
57.5°	494.2	228.0	224.3	252.7	263.8
60°	394.4	203.4	197.2	225.5	236.6
62.5°	314.3	179.9	176.2	200.9	210.8
65°	246.5	159.0	156.5	178.7	184.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	194.7	139.3	140.5	159.0	166.4
70°	150.4	120.8	128.2	145.4	150.4
72.5°	113.4	102.3	118.3	133.1	139.3
75°	83.8	86.3	108.5	124.5	130.6
77.5°	57.9	71.5	99.8	117.1	123.3
80°	39.4	57.9	91.2	110.9	118.3
82.5°	23.4	48.1	83.8	104.8	113.4
85°	11.1	39.4	76.4	99.8	107.2
87.5°	3.7	32.0	69.0	94.9	101.1
90°	0.0	27.1	64.1	88.7	92.4
92.5°	0.0	23.4	57.9	81.3	83.8
95°	0.0	19.7	53.0	72.7	76.4
97.5°	0.0	18.5	49.3	65.3	70.3
100°	0.0	17.3	44.4	59.2	64.1
102.5°	0.0	14.8	39.4	53.0	57.9
105°	0.0	14.8	34.5	49.3	53.0
107.5°	1.2	13.6	32.0	44.4	49.3
110°	1.2	13.6	28.3	41.9	45.6
112.5°	1.2	13.6	27.1	38.2	43.1
115°	1.2	12.3	25.9	35.7	38.2
117.5°	1.2	12.3	24.7	32.0	34.5
120°	1.2	11.1	23.4	29.6	30.8
122.5°	1.2	11.1	22.2	27.1	28.3
125°	1.2	11.1	22.2	25.9	27.1
127.5°	1.2	9.9	21.0	24.7	24.7
130°	1.2	9.9	19.7	23.4	23.4
132.5°	1.2	8.6	18.5	22.2	23.4
135°	1.2	8.6	17.3	21.0	22.2
137.5°	1.2	7.4	16.0	19.7	21.0
140°	1.2	7.4	14.8	18.5	19.7
142.5°	1.2	6.2	13.6	17.3	18.5
145°	1.2	6.2	12.3	16.0	17.3
147.5°	1.2	6.2	11.1	14.8	16.0
150°	1.2	4.9	9.9	13.6	14.8
152.5°	1.2	4.9	8.6	12.3	13.6
155°	1.2	3.7	7.4	11.1	12.3
157.5°	1.2	3.7	7.4	9.9	11.1
160°	2.5	3.7	6.2	8.6	9.9
162.5°	1.2	2.5	6.2	7.4	8.6
165°	2.5	2.5	4.9	6.2	7.4
167.5°	2.5	2.5	3.7	4.9	6.2
170°	2.5	2.5	3.7	3.7	4.9
172.5°	2.5	2.5	2.5	3.7	2.5
175°	2.5	2.5	2.5	2.5	1.2
177.5°	2.5	2.5	2.5	2.5	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)