

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: P567071

Luminaire Tested: **4SNX-SL3-LC-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567071
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-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

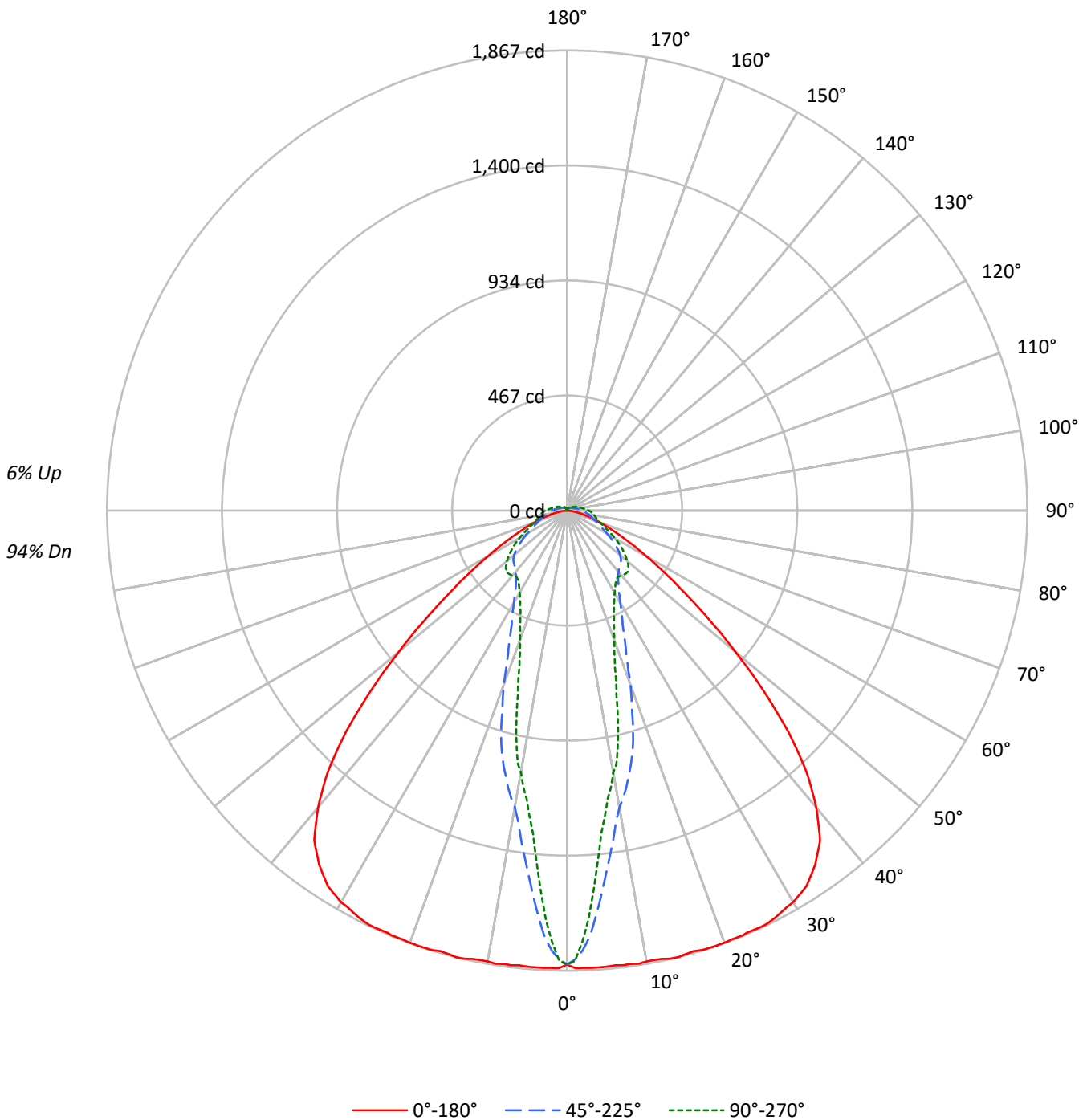
Lumens per Lamp: N/A
Luminaire Lumens: 2270.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.863
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°	19822	19822	19822
5°	20001	16281	14573
10°	20158	12291	10547
15°	20526	10047	7303
20°	21055	7269	5158
25°	21712	5208	4058
30°	22267	4161	3456
35°	22399	3520	3095
40°	21353	3199	3102
45°	18530	3091	3188
50°	14216	2940	2974
55°	10303	2571	2639
60°	7475	2145	2232
65°	5441	1814	1829
70°	4007	1603	1577
75°	2847	1484	1470
80°	1865	1390	1448
85°	878	1324	1450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	6.4
10°-20°	314.5	13.9
20°-30°	360.0	15.9
30°-40°	360.6	15.9
40°-50°	341.4	15.0
50°-60°	261.8	11.5
60°-70°	168.8	7.4
70°-80°	107.6	4.7
80°-90°	71.5	3.1
90°-100°	48.0	2.1
100°-110°	31.7	1.4
110°-120°	22.0	1.0
120°-130°	15.4	0.7
130°-140°	10.7	0.5
140°-150°	6.5	0.3
150°-160°	3.3	0.1
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	819.3	36.1
0°-40°	1179.9	52.0
0°-60°	1783.1	78.6
0°-90°	2130.9	93.9
90°-120°	101.7	4.5
90°-150°	134.3	5.9
90°-180°	139.0	6.1
0°-180°	2270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1842	1842	1842	1842	1842	
5°	1858	1755	1573	1467	1427	177
15°	1862	1341	1023	840	772	528
25°	1864	949	541	470	448	859
35°	1754	528	362	350	346	1088
45°	1268	334	305	337	349	964
55°	582	238	235	264	274	535
65°	233	150	148	169	174	239
75°	79	81	102	118	123	87
85°	10	37	72	94	101	14
90°	0	26	60	84	87	0
95°	0	19	50	69	72	0
105°	0	14	33	46	50	1
115°	1	12	24	34	36	1
125°	1	10	21	24	26	1
135°	1	8	16	20	21	1
145°	1	6	12	15	16	1
155°	1	4	7	10	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°	1841.5	1841.5	1841.5	1841.5	1841.5
1°	1856.7	1846.2	1821.8	1828.7	1827.6
2°	1856.7	1834.6	1786.9	1772.9	1752.0
3°	1857.8	1814.8	1733.3	1688.0	1658.9
4°	1857.8	1785.7	1654.2	1578.6	1541.4
5°	1857.8	1755.4	1572.8	1466.9	1427.4
6°	1855.5	1719.4	1490.2	1378.5	1319.2
7°	1859.0	1679.8	1415.8	1295.9	1249.4
8°	1857.8	1633.3	1347.1	1233.1	1181.9
9°	1861.3	1587.9	1272.7	1173.8	1135.4
10°	1857.8	1546.1	1223.8	1117.9	1078.4
11°	1857.8	1505.3	1188.9	1081.9	1048.2
12°	1860.1	1458.8	1150.5	1030.7	984.2
13°	1866.0	1411.1	1106.3	974.9	920.2
14°	1867.1	1375.0	1065.6	903.9	846.9
15°	1862.5	1341.3	1022.6	839.9	772.4
16°	1860.1	1306.4	971.4	779.4	718.9
17°	1864.8	1265.7	913.2	717.8	661.9
18°	1866.0	1228.5	851.5	671.2	622.4
19°	1866.0	1199.4	801.5	628.2	586.3
20°	1866.0	1171.5	750.3	595.6	559.6
21°	1863.6	1136.6	692.2	561.9	531.6
22.5°	1864.8	1071.4	625.9	522.3	497.9
23°	1861.3	1055.1	609.6	511.9	486.3
24°	1862.5	1008.6	574.7	490.9	466.5
25°	1863.6	949.3	540.9	470.0	447.9
26°	1861.3	901.6	513.0	450.2	435.1
27°	1855.5	863.2	493.2	433.9	420.0
28°	1847.4	812.0	472.3	420.0	407.2
29°	1839.2	753.8	451.4	404.8	395.5
30°	1834.6	707.3	431.6	393.2	385.1
32.5°	1806.6	615.4	390.9	369.9	363.0
35°	1754.3	528.1	361.8	350.2	345.5
37.5°	1685.6	460.7	339.7	337.4	338.5
40°	1572.8	407.2	323.4	333.9	344.3
42.5°	1437.9	365.3	311.8	337.4	349.0
45°	1268.0	333.9	304.8	337.4	349.0
47.5°	1079.6	308.3	296.6	325.7	337.4
50°	891.1	285.0	280.4	308.3	318.7
52.5°	724.7	262.9	259.4	286.2	296.6
55°	581.7	238.5	235.0	264.1	274.5
57.5°	466.5	215.2	211.7	238.5	249.0
60°	372.3	191.9	186.1	212.9	223.4
62.5°	296.6	169.8	166.4	189.6	198.9
65°	232.7	150.1	147.7	168.7	174.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	183.8	131.5	132.6	150.1	157.0
70°	141.9	114.0	121.0	137.3	141.9
72.5°	107.0	96.6	111.7	125.6	131.5
75°	79.1	81.4	102.4	117.5	123.3
77.5°	54.7	67.5	94.2	110.5	116.3
80°	37.2	54.7	86.1	104.7	111.7
82.5°	22.1	45.4	79.1	98.9	107.0
85°	10.5	37.2	72.1	94.2	101.2
87.5°	3.5	30.2	65.1	89.6	95.4
90°	0.0	25.6	60.5	83.8	87.2
92.5°	0.0	22.1	54.7	76.8	79.1
95°	0.0	18.6	50.0	68.6	72.1
97.5°	0.0	17.4	46.5	61.7	66.3
100°	0.0	16.3	41.9	55.8	60.5
102.5°	0.0	14.0	37.2	50.0	54.7
105°	0.0	14.0	32.6	46.5	50.0
107.5°	1.2	12.8	30.2	41.9	46.5
110°	1.2	12.8	26.8	39.6	43.0
112.5°	1.2	12.8	25.6	36.1	40.7
115°	1.2	11.6	24.4	33.7	36.1
117.5°	1.2	11.6	23.3	30.2	32.6
120°	1.2	10.5	22.1	27.9	29.1
122.5°	1.2	10.5	20.9	25.6	26.8
125°	1.2	10.5	20.9	24.4	25.6
127.5°	1.2	9.3	19.8	23.3	23.3
130°	1.2	9.3	18.6	22.1	22.1
132.5°	1.2	8.1	17.4	20.9	22.1
135°	1.2	8.1	16.3	19.8	20.9
137.5°	1.2	7.0	15.1	18.6	19.8
140°	1.2	7.0	14.0	17.4	18.6
142.5°	1.2	5.8	12.8	16.3	17.4
145°	1.2	5.8	11.6	15.1	16.3
147.5°	1.2	5.8	10.5	14.0	15.1
150°	1.2	4.7	9.3	12.8	14.0
152.5°	1.2	4.7	8.1	11.6	12.8
155°	1.2	3.5	7.0	10.5	11.6
157.5°	1.2	3.5	7.0	9.3	10.5
160°	2.3	3.5	5.8	8.1	9.3
162.5°	1.2	2.3	5.8	7.0	8.1
165°	2.3	2.3	4.7	5.8	7.0
167.5°	2.3	2.3	3.5	4.7	5.8
170°	2.3	2.3	3.5	3.5	4.7
172.5°	2.3	2.3	2.3	3.5	2.3
175°	2.3	2.3	2.3	2.3	1.2
177.5°	2.3	2.3	2.3	2.3	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)