

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: P565860

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565860
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-CC83-CD-5000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

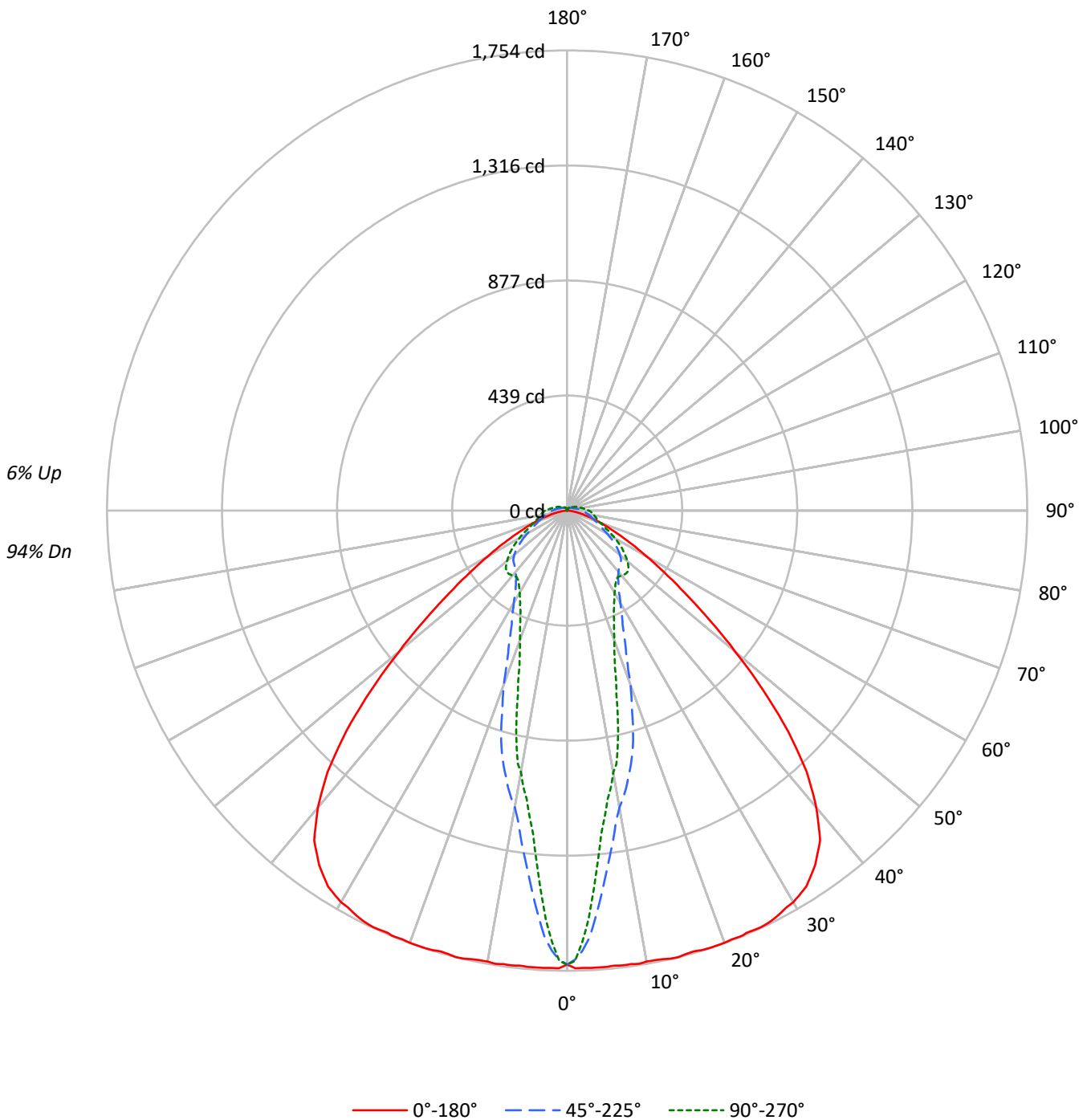
Lumens per Lamp: N/A
Luminaire Lumens: 2133.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.2
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°	37252	37252	37252
5°	37452	30521	27386
10°	37608	22989	19821
15°	38153	18749	13724
20°	38985	13540	9694
25°	40041	9680	7625
30°	40884	7717	6494
35°	40933	6516	5818
40°	38818	5910	5832
45°	33485	5698	5990
50°	25509	5405	5590
55°	18333	4716	4960
60°	13161	3925	4194
65°	9447	3308	3438
70°	6832	2913	2965
75°	4714	2686	2764
80°	2947	2503	2720
85°	1240	2371	2725



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	6.4
10°-20°	295.5	13.9
20°-30°	338.3	15.9
30°-40°	338.9	15.9
40°-50°	320.8	15.0
50°-60°	246.0	11.5
60°-70°	158.6	7.4
70°-80°	101.1	4.7
80°-90°	67.1	3.1
90°-100°	45.1	2.1
100°-110°	29.7	1.4
110°-120°	20.7	1.0
120°-130°	14.4	0.7
130°-140°	10.0	0.5
140°-150°	6.1	0.3
150°-160°	3.1	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	769.8	36.1
0°-40°	1108.7	52.0
0°-60°	1675.5	78.6
0°-90°	2002.3	93.9
90°-120°	95.6	4.5
90°-150°	126.1	5.9
90°-180°	131.0	6.1
0°-180°	2133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1746	1650	1478	1378	1341	167
15°	1750	1260	961	789	726	496
25°	1751	892	508	442	421	807
35°	1648	496	340	329	325	1023
45°	1192	314	286	317	328	906
55°	547	224	221	248	258	503
65°	219	141	139	158	164	225
75°	74	76	96	110	116	82
85°	10	35	68	88	95	14
90°	0	24	57	79	82	0
95°	0	18	47	64	68	0
105°	0	13	31	44	47	1
115°	1	11	23	32	34	1
125°	1	10	20	23	24	1
135°	1	8	15	19	20	1
145°	1	6	11	14	15	1
155°	1	3	7	10	11	1
165°	2	2	4	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°	1730.4	1730.4	1730.4	1730.4	1730.4
1°	1744.6	1734.8	1711.8	1718.4	1717.3
2°	1744.6	1723.8	1679.0	1665.9	1646.2
3°	1745.7	1705.3	1628.7	1586.1	1558.8
4°	1745.7	1677.9	1554.4	1483.4	1448.4
5°	1745.7	1649.5	1477.9	1378.4	1341.2
6°	1743.5	1615.6	1400.3	1295.3	1239.6
7°	1746.8	1578.5	1330.3	1217.7	1174.0
8°	1745.7	1534.7	1265.8	1158.7	1110.6
9°	1749.0	1492.1	1195.9	1102.9	1066.9
10°	1745.7	1452.7	1150.0	1050.5	1013.3
11°	1745.7	1414.5	1117.2	1016.6	984.9
12°	1747.9	1370.8	1081.1	968.5	924.8
13°	1753.3	1325.9	1039.5	916.0	864.6
14°	1754.4	1292.1	1001.3	849.3	795.8
15°	1750.1	1260.4	960.8	789.2	725.8
16°	1747.9	1227.6	912.7	732.4	675.5
17°	1752.3	1189.3	858.1	674.4	622.0
18°	1753.3	1154.3	800.2	630.7	584.8
19°	1753.3	1127.0	753.2	590.3	550.9
20°	1753.3	1100.8	705.1	559.7	525.8
21°	1751.2	1068.0	650.4	528.0	499.6
22.5°	1752.3	1006.8	588.1	490.8	467.9
23°	1749.0	991.5	572.8	481.0	456.9
24°	1750.1	947.7	540.0	461.3	438.3
25°	1751.2	892.0	508.3	441.6	420.8
26°	1749.0	847.2	482.1	423.0	408.8
27°	1743.5	811.1	463.5	407.7	394.6
28°	1735.9	763.0	443.8	394.6	382.6
29°	1728.2	708.3	424.1	380.4	371.7
30°	1723.8	664.6	405.5	369.5	361.8
32.5°	1697.6	578.3	367.3	347.6	341.1
35°	1648.4	496.3	340.0	329.0	324.7
37.5°	1583.9	432.9	319.2	317.0	318.1
40°	1477.9	382.6	303.9	313.7	323.6
42.5°	1351.1	343.2	293.0	317.0	327.9
45°	1191.5	313.7	286.4	317.0	327.9
47.5°	1014.4	289.7	278.7	306.1	317.0
50°	837.3	267.8	263.4	289.7	299.5
52.5°	681.0	247.0	243.8	268.9	278.7
55°	546.6	224.1	220.8	248.1	258.0
57.5°	438.3	202.2	198.9	224.1	233.9
60°	349.8	180.4	174.9	200.0	209.9
62.5°	278.7	159.6	156.3	178.2	186.9
65°	218.6	141.0	138.8	158.5	164.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	172.7	123.5	124.6	141.0	147.6
70°	133.4	107.1	113.7	129.0	133.4
72.5°	100.6	90.7	104.9	118.1	123.5
75°	74.3	76.5	96.2	110.4	115.9
77.5°	51.4	63.4	88.5	103.8	109.3
80°	35.0	51.4	80.9	98.4	104.9
82.5°	20.8	42.6	74.3	92.9	100.6
85°	9.8	35.0	67.8	88.5	95.1
87.5°	3.3	28.4	61.2	84.2	89.6
90°	0.0	24.0	56.8	78.7	82.0
92.5°	0.0	20.8	51.4	72.1	74.3
95°	0.0	17.5	47.0	64.5	67.8
97.5°	0.0	16.4	43.7	57.9	62.3
100°	0.0	15.3	39.4	52.5	56.8
102.5°	0.0	13.1	35.0	47.0	51.4
105°	0.0	13.1	30.6	43.7	47.0
107.5°	1.1	12.0	28.4	39.4	43.7
110°	1.1	12.0	25.1	37.2	40.4
112.5°	1.1	12.0	24.0	33.9	38.3
115°	1.1	10.9	23.0	31.7	33.9
117.5°	1.1	10.9	21.9	28.4	30.6
120°	1.1	9.8	20.8	26.2	27.3
122.5°	1.1	9.8	19.7	24.0	25.1
125°	1.1	9.8	19.7	23.0	24.0
127.5°	1.1	8.7	18.6	21.9	21.9
130°	1.1	8.7	17.5	20.8	20.8
132.5°	1.1	7.7	16.4	19.7	20.8
135°	1.1	7.7	15.3	18.6	19.7
137.5°	1.1	6.6	14.2	17.5	18.6
140°	1.1	6.6	13.1	16.4	17.5
142.5°	1.1	5.5	12.0	15.3	16.4
145°	1.1	5.5	10.9	14.2	15.3
147.5°	1.1	5.5	9.8	13.1	14.2
150°	1.1	4.4	8.7	12.0	13.1
152.5°	1.1	4.4	7.7	10.9	12.0
155°	1.1	3.3	6.6	9.8	10.9
157.5°	1.1	3.3	6.6	8.7	9.8
160°	2.2	3.3	5.5	7.7	8.7
162.5°	1.1	2.2	5.5	6.6	7.7
165°	2.2	2.2	4.4	5.5	6.6
167.5°	2.2	2.2	3.3	4.4	5.5
170°	2.2	2.2	3.3	3.3	4.4
172.5°	2.2	2.2	2.2	3.3	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	2.2	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)