

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: P565855

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565855
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-4000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

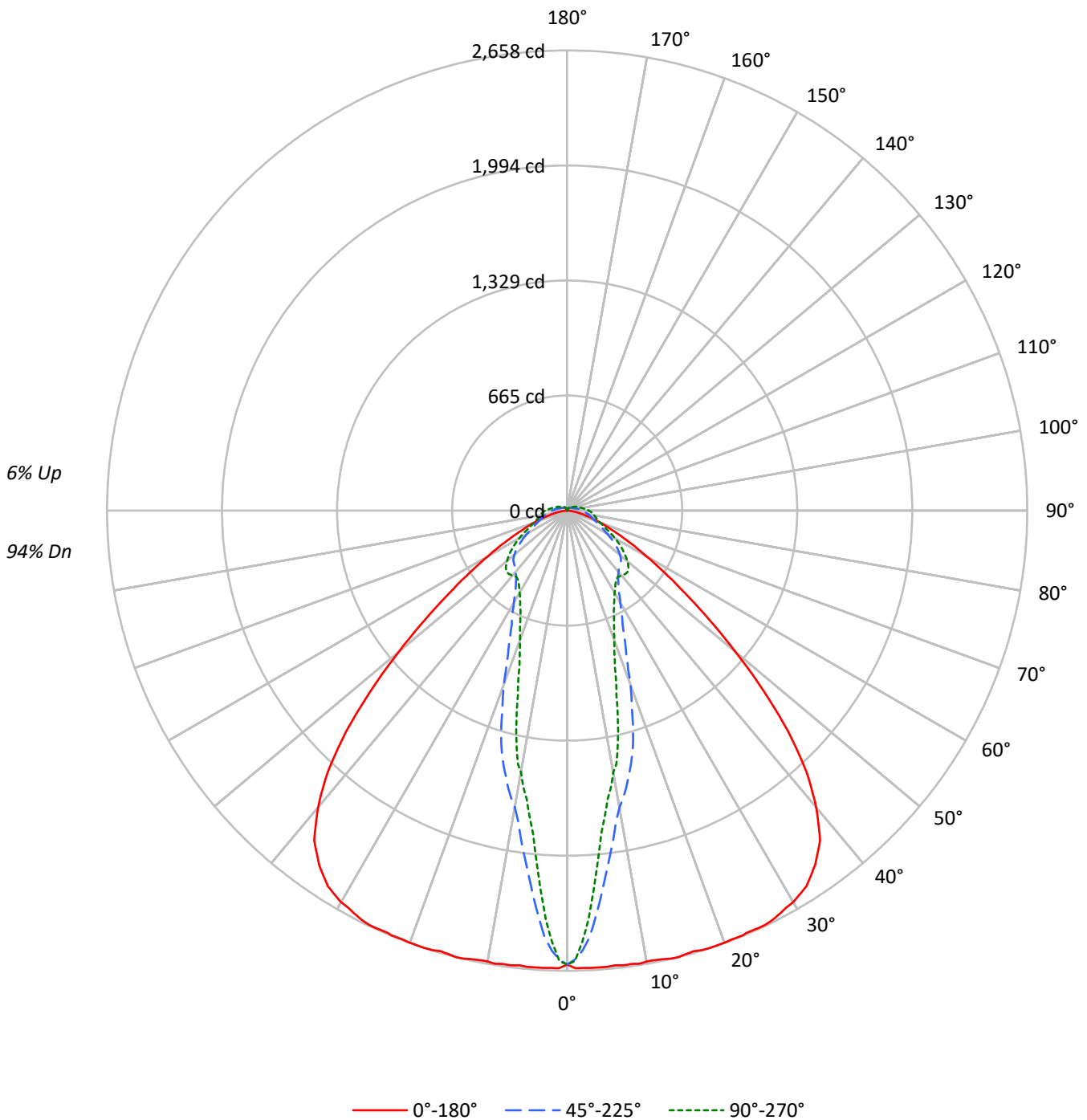
Lumens per Lamp: N/A
Luminaire Lumens: 3232.1 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	56446	56446	56446
5°	56747	46246	41498
10°	56984	34832	30033
15°	57810	28411	20797
20°	59072	20514	14688
25°	60669	14668	11555
30°	61949	11695	9840
35°	62022	9871	8813
40°	58817	8956	8836
45°	50737	8634	9077
50°	38652	8192	8469
55°	27778	7146	7516
60°	19941	5947	6354
65°	14317	5015	5208
70°	10351	4414	4492
75°	7144	4071	4187
80°	4462	3792	4123
85°	1885	3592	4129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.2	6.4
10°-20°	447.8	13.9
20°-30°	512.5	15.9
30°-40°	513.4	15.9
40°-50°	486.0	15.0
50°-60°	372.8	11.5
60°-70°	240.3	7.4
70°-80°	153.2	4.7
80°-90°	101.7	3.1
90°-100°	68.4	2.1
100°-110°	45.1	1.4
110°-120°	31.4	1.0
120°-130°	21.9	0.7
130°-140°	15.2	0.5
140°-150°	9.3	0.3
150°-160°	4.7	0.1
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1166.5	36.1
0°-40°	1679.9	52.0
0°-60°	2538.7	78.5
0°-90°	3034.0	93.9
90°-120°	144.8	4.5
90°-150°	191.2	5.9
90°-180°	198.0	6.1
0°-180°	3232.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2645	2499	2239	2089	2032	253
15°	2652	1910	1456	1196	1100	752
25°	2653	1352	770	669	638	1223
35°	2498	752	515	499	492	1550
45°	1805	475	434	480	497	1373
55°	828	340	335	376	391	762
65°	331	214	210	240	248	341
75°	113	116	146	167	176	124
85°	15	53	103	134	144	20
90°	0	36	86	119	124	1
95°	0	26	71	98	103	0
105°	0	20	46	66	71	1
115°	2	17	35	48	51	2
125°	2	15	30	35	36	2
135°	2	12	23	28	30	1
145°	2	8	17	22	23	1
155°	2	5	10	15	17	1
165°	3	3	7	8	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2622.0	2622.0	2622.0	2622.0	2622.0
1°	2643.5	2628.6	2593.8	2603.7	2602.1
2°	2643.5	2612.0	2544.1	2524.2	2494.4
3°	2645.1	2583.9	2467.9	2403.3	2361.9
4°	2645.1	2542.5	2355.3	2247.6	2194.6
5°	2645.1	2499.4	2239.3	2088.6	2032.3
6°	2641.8	2448.0	2121.7	1962.7	1878.3
7°	2646.8	2391.7	2015.7	1845.1	1778.9
8°	2645.1	2325.5	1918.0	1755.7	1682.8
9°	2650.1	2260.9	1812.0	1671.2	1616.6
10°	2645.1	2201.2	1742.4	1591.7	1535.4
11°	2645.1	2143.3	1692.8	1540.4	1492.3
12°	2648.5	2077.0	1638.1	1467.5	1401.2
13°	2656.7	2009.1	1575.2	1388.0	1310.1
14°	2658.4	1957.8	1517.2	1287.0	1205.8
15°	2651.8	1909.7	1455.9	1195.9	1099.8
16°	2648.5	1860.0	1383.0	1109.7	1023.6
17°	2655.1	1802.1	1300.2	1021.9	942.4
18°	2656.7	1749.1	1212.4	955.7	886.1
19°	2656.7	1707.7	1141.2	894.4	834.8
20°	2656.7	1667.9	1068.3	848.0	796.7
21°	2653.4	1618.2	985.5	800.0	756.9
22.5°	2655.1	1525.5	891.1	743.7	708.9
23°	2650.1	1502.3	867.9	728.8	692.3
24°	2651.8	1436.0	818.2	699.0	664.2
25°	2653.4	1351.6	770.2	669.2	637.7
26°	2650.1	1283.6	730.4	641.0	619.5
27°	2641.8	1229.0	702.3	617.8	597.9
28°	2630.2	1156.1	672.5	597.9	579.7
29°	2618.6	1073.3	642.7	576.4	563.1
30°	2612.0	1007.0	614.5	559.8	548.2
32.5°	2572.3	876.2	556.5	526.7	516.8
35°	2497.7	752.0	515.1	498.6	491.9
37.5°	2400.0	655.9	483.6	480.3	482.0
40°	2239.3	579.7	460.5	475.4	490.3
42.5°	2047.2	520.1	443.9	480.3	496.9
45°	1805.4	475.4	434.0	480.3	496.9
47.5°	1537.1	438.9	422.4	463.8	480.3
50°	1268.7	405.8	399.2	438.9	453.8
52.5°	1031.9	374.3	369.4	407.5	422.4
55°	828.2	339.5	334.6	376.0	390.9
57.5°	664.2	306.4	301.5	339.5	354.5
60°	530.0	273.3	265.0	303.1	318.0
62.5°	422.4	241.8	236.9	270.0	283.2
65°	331.3	213.7	210.4	240.2	248.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	261.7	187.2	188.8	213.7	223.6
70°	202.1	162.3	172.3	195.4	202.1
72.5°	152.4	137.5	159.0	178.9	187.2
75°	112.6	115.9	145.8	167.3	175.6
77.5°	77.8	96.1	134.2	157.4	165.6
80°	53.0	77.8	122.6	149.1	159.0
82.5°	31.5	64.6	112.6	140.8	152.4
85°	14.9	53.0	102.7	134.2	144.1
87.5°	5.0	43.1	92.8	127.5	135.8
90°	0.0	36.4	86.1	119.3	124.2
92.5°	0.0	31.5	77.8	109.3	112.6
95°	0.0	26.5	71.2	97.7	102.7
97.5°	0.0	24.8	66.3	87.8	94.4
100°	0.0	23.2	59.6	79.5	86.1
102.5°	0.0	19.9	53.0	71.2	77.8
105°	0.0	19.9	46.4	66.3	71.2
107.5°	1.7	18.2	43.1	59.6	66.3
110°	1.7	18.2	38.1	56.3	61.3
112.5°	1.7	18.2	36.4	51.3	58.0
115°	1.7	16.6	34.8	48.0	51.3
117.5°	1.7	16.6	33.1	43.1	46.4
120°	1.7	14.9	31.5	39.8	41.4
122.5°	1.7	14.9	29.8	36.4	38.1
125°	1.7	14.9	29.8	34.8	36.4
127.5°	1.7	13.3	28.2	33.1	33.1
130°	1.7	13.3	26.5	31.5	31.5
132.5°	1.7	11.6	24.8	29.8	31.5
135°	1.7	11.6	23.2	28.2	29.8
137.5°	1.7	9.9	21.5	26.5	28.2
140°	1.7	9.9	19.9	24.8	26.5
142.5°	1.7	8.3	18.2	23.2	24.8
145°	1.7	8.3	16.6	21.5	23.2
147.5°	1.7	8.3	14.9	19.9	21.5
150°	1.7	6.6	13.3	18.2	19.9
152.5°	1.7	6.6	11.6	16.6	18.2
155°	1.7	5.0	9.9	14.9	16.6
157.5°	1.7	5.0	9.9	13.3	14.9
160°	3.3	5.0	8.3	11.6	13.3
162.5°	1.7	3.3	8.3	9.9	11.6
165°	3.3	3.3	6.6	8.3	9.9
167.5°	3.3	3.3	5.0	6.6	8.3
170°	3.3	3.3	5.0	5.0	6.6
172.5°	3.3	3.3	3.3	5.0	3.3
175°	3.3	3.3	3.3	3.3	1.7
177.5°	3.3	3.3	3.3	3.3	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)