

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: P565867

Luminaire Tested: **2SNX-SL3-LC-UNV-CC93-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565867
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-5000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

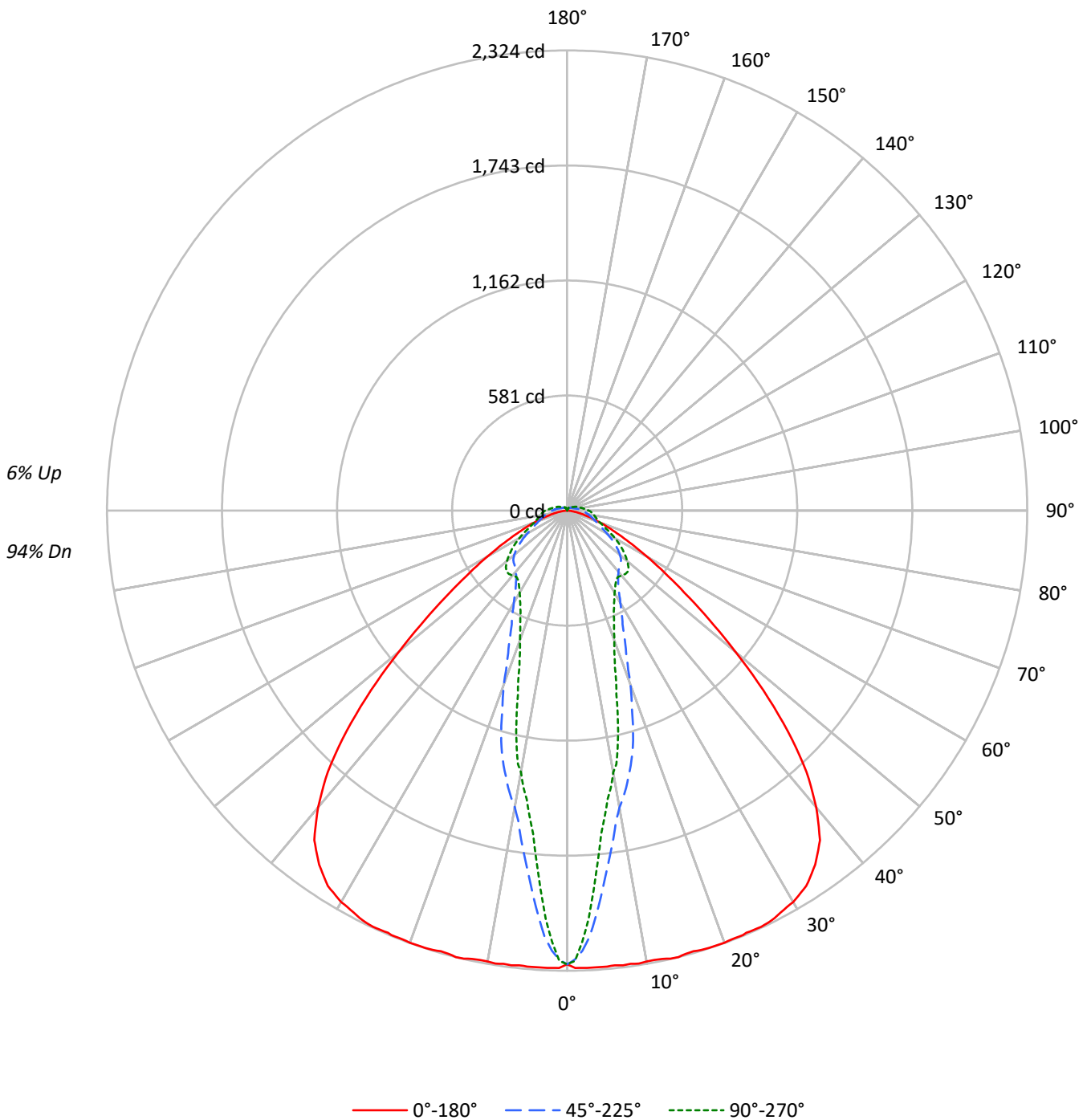
Lumens per Lamp: N/A
Luminaire Lumens: 2825.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.2
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	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°	49337	49337	49337
5°	49601	40422	36272
10°	49808	30446	26252
15°	50529	24834	18178
20°	51634	17932	12839
25°	53030	12820	10100
30°	54148	10222	8601
35°	54212	8628	7704
40°	51410	7828	7722
45°	44347	7546	7933
50°	33786	7160	7404
55°	24280	6245	6570
60°	17432	5197	5555
65°	12511	4383	4554
70°	9045	3858	3925
75°	6243	3557	3660
80°	3898	3313	3604
85°	1645	3141	3610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	6.4
10°-20°	391.4	13.9
20°-30°	448.0	15.9
30°-40°	448.8	15.9
40°-50°	424.8	15.0
50°-60°	325.8	11.5
60°-70°	210.0	7.4
70°-80°	133.9	4.7
80°-90°	88.9	3.1
90°-100°	59.8	2.1
100°-110°	39.4	1.4
110°-120°	27.4	1.0
120°-130°	19.1	0.7
130°-140°	13.3	0.5
140°-150°	8.1	0.3
150°-160°	4.1	0.1
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	1019.6	36.1
0°-40°	1468.4	52.0
0°-60°	2219.0	78.6
0°-90°	2651.9	93.9
90°-120°	126.6	4.5
90°-150°	167.1	5.9
90°-180°	173.0	6.1
0°-180°	2825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2292	2292	2292	2292	2292	
5°	2312	2185	1957	1826	1776	221
15°	2318	1669	1273	1045	961	657
25°	2319	1181	673	585	557	1069
35°	2183	657	450	436	430	1355
45°	1578	416	379	420	434	1200
55°	724	297	292	329	342	666
65°	290	187	184	210	217	298
75°	98	101	127	146	154	108
85°	13	46	90	117	126	18
90°	0	32	75	104	109	1
95°	0	23	62	85	90	0
105°	0	17	40	58	62	1
115°	1	14	30	42	45	1
125°	1	13	26	30	32	1
135°	1	10	20	25	26	1
145°	1	7	14	19	20	1
155°	1	4	9	13	14	1
165°	3	3	6	7	9	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°	2291.8	2291.8	2291.8	2291.8	2291.8
1°	2310.6	2297.6	2267.2	2275.9	2274.4
2°	2310.6	2283.1	2223.7	2206.4	2180.3
3°	2312.0	2258.5	2157.1	2100.7	2064.5
4°	2312.0	2222.3	2058.7	1964.6	1918.3
5°	2312.0	2184.6	1957.3	1825.6	1776.4
6°	2309.2	2139.8	1854.6	1715.6	1641.7
7°	2313.5	2090.5	1761.9	1612.8	1554.9
8°	2312.0	2032.6	1676.5	1534.6	1470.9
9°	2316.4	1976.2	1583.8	1460.8	1413.0
10°	2312.0	1924.1	1523.0	1391.3	1342.1
11°	2312.0	1873.4	1479.6	1346.4	1304.4
12°	2314.9	1815.5	1431.8	1282.7	1224.8
13°	2322.2	1756.1	1376.8	1213.2	1145.2
14°	2323.6	1711.2	1326.1	1124.9	1054.0
15°	2317.8	1669.2	1272.6	1045.3	961.3
16°	2314.9	1625.8	1208.9	970.0	894.7
17°	2320.7	1575.1	1136.5	893.3	823.8
18°	2322.2	1528.8	1059.7	835.3	774.5
19°	2322.2	1492.6	997.5	781.8	729.7
20°	2322.2	1457.9	933.8	741.2	696.4
21°	2319.3	1414.4	861.4	699.3	661.6
22.5°	2320.7	1333.4	778.9	650.0	619.6
23°	2316.4	1313.1	758.6	637.0	605.2
24°	2317.8	1255.2	715.2	610.9	580.5
25°	2319.3	1181.4	673.2	584.9	557.4
26°	2316.4	1122.0	638.5	560.3	541.5
27°	2309.2	1074.2	613.8	540.0	522.6
28°	2299.0	1010.5	587.8	522.6	506.7
29°	2288.9	938.1	561.7	503.8	492.2
30°	2283.1	880.2	537.1	489.3	479.2
32.5°	2248.3	765.9	486.4	460.4	451.7
35°	2183.2	657.3	450.2	435.8	430.0
37.5°	2097.8	573.3	422.7	419.8	421.3
40°	1957.3	506.7	402.5	415.5	428.5
42.5°	1789.4	454.6	388.0	419.8	434.3
45°	1578.0	415.5	379.3	419.8	434.3
47.5°	1343.5	383.7	369.2	405.4	419.8
50°	1109.0	354.7	348.9	383.7	396.7
52.5°	901.9	327.2	322.8	356.1	369.2
55°	723.9	296.8	292.4	328.6	341.7
57.5°	580.5	267.8	263.5	296.8	309.8
60°	463.3	238.9	231.6	264.9	278.0
62.5°	369.2	211.4	207.0	236.0	247.6
65°	289.5	186.8	183.9	209.9	217.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	228.7	163.6	165.0	186.8	195.4
70°	176.6	141.9	150.6	170.8	176.6
72.5°	133.2	120.2	139.0	156.4	163.6
75°	98.4	101.3	127.4	146.2	153.5
77.5°	68.0	84.0	117.3	137.5	144.8
80°	46.3	68.0	107.1	130.3	139.0
82.5°	27.5	56.5	98.4	123.1	133.2
85°	13.0	46.3	89.8	117.3	126.0
87.5°	4.3	37.6	81.1	111.5	118.7
90°	0.0	31.9	75.3	104.2	108.6
92.5°	0.0	27.5	68.0	95.6	98.4
95°	0.0	23.2	62.3	85.4	89.8
97.5°	0.0	21.7	57.9	76.7	82.5
100°	0.0	20.3	52.1	69.5	75.3
102.5°	0.0	17.4	46.3	62.3	68.0
105°	0.0	17.4	40.5	57.9	62.3
107.5°	1.4	15.9	37.6	52.1	57.9
110°	1.4	15.9	33.3	49.2	53.6
112.5°	1.4	15.9	31.9	44.9	50.7
115°	1.4	14.5	30.4	42.0	44.9
117.5°	1.4	14.5	29.0	37.6	40.5
120°	1.4	13.0	27.5	34.7	36.2
122.5°	1.4	13.0	26.1	31.9	33.3
125°	1.4	13.0	26.1	30.4	31.9
127.5°	1.4	11.6	24.6	29.0	29.0
130°	1.4	11.6	23.2	27.5	27.5
132.5°	1.4	10.1	21.7	26.1	27.5
135°	1.4	10.1	20.3	24.6	26.1
137.5°	1.4	8.7	18.8	23.2	24.6
140°	1.4	8.7	17.4	21.7	23.2
142.5°	1.4	7.2	15.9	20.3	21.7
145°	1.4	7.2	14.5	18.8	20.3
147.5°	1.4	7.2	13.0	17.4	18.8
150°	1.4	5.8	11.6	15.9	17.4
152.5°	1.4	5.8	10.1	14.5	15.9
155°	1.4	4.3	8.7	13.0	14.5
157.5°	1.4	4.3	8.7	11.6	13.0
160°	2.9	4.3	7.2	10.1	11.6
162.5°	1.4	2.9	7.2	8.7	10.1
165°	2.9	2.9	5.8	7.2	8.7
167.5°	2.9	2.9	4.3	5.8	7.2
170°	2.9	2.9	4.3	4.3	5.8
172.5°	2.9	2.9	2.9	4.3	2.9
175°	2.9	2.9	2.9	2.9	1.4
177.5°	2.9	2.9	2.9	2.9	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)