

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: P565892

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LW-UNV-CC83-CD-4000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

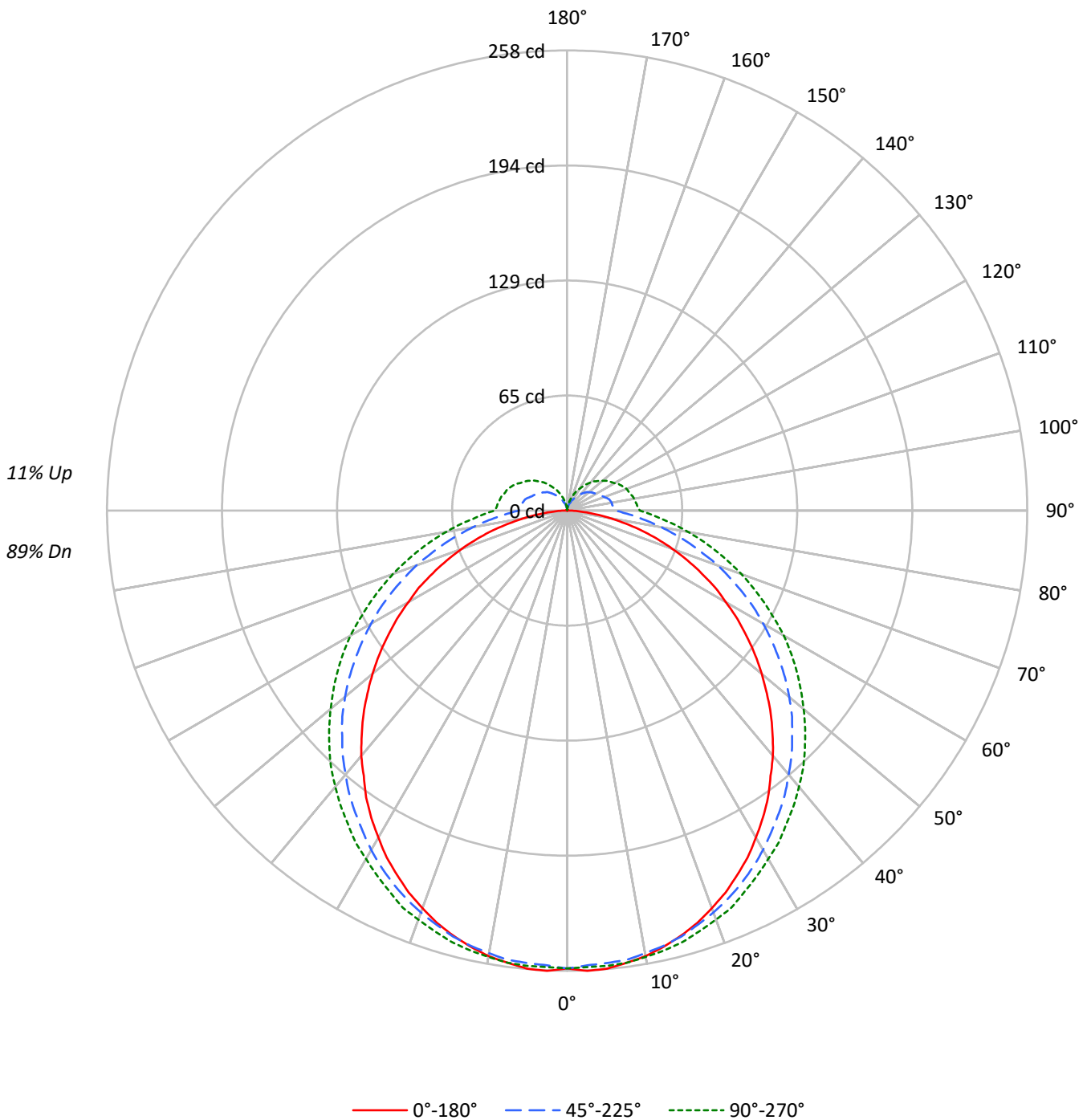
Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 6.6
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5526	5526	5526
5°	5531	5258	5231
10°	5463	5038	4970
15°	5378	4824	4735
20°	5274	4605	4498
25°	5156	4395	4269
30°	5021	4181	4048
35°	4877	3967	3841
40°	4715	3757	3644
45°	4539	3549	3443
50°	4338	3335	3231
55°	4119	3097	3022
60°	3864	2850	2803
65°	3591	2586	2554
70°	3227	2306	2307
75°	2754	1979	2046
80°	2054	1655	1784
85°	1202	1350	1516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	2.7
10°-20°	70.1	7.7
20°-30°	106.6	11.7
30°-40°	129.4	14.2
40°-50°	136.7	15.0
50°-60°	127.9	14.0
60°-70°	105.0	11.5
70°-80°	72.2	7.9
80°-90°	39.5	4.3
90°-100°	25.5	2.8
100°-110°	22.9	2.5
110°-120°	18.9	2.1
120°-130°	14.6	1.6
130°-140°	10.2	1.1
140°-150°	6.2	0.7
150°-160°	3.0	0.3
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	201.1	22.0
0°-40°	330.4	36.2
0°-60°	595.1	65.1
0°-90°	811.8	88.8
90°-120°	67.2	7.4
90°-150°	98.2	10.7
90°-180°	102.0	11.2
0°-180°	914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	257	257	257	257	257	
5°	258	257	255	257	256	24
15°	247	248	247	250	250	70
25°	226	228	231	236	236	104
35°	196	201	207	213	214	123
45°	162	169	178	186	188	124
55°	123	133	145	154	157	110
65°	83	94	108	119	122	82
75°	43	55	71	82	86	46
85°	10	23	39	49	53	11
90°	0	13	27	37	41	1
95°	0	12	26	36	39	0
105°	0	10	24	33	36	0
115°	0	9	21	30	33	0
125°	0	7	18	25	29	0
135°	0	6	14	21	23	0
145°	0	4	10	16	18	0
155°	0	3	6	10	12	0
165°	0	2	3	5	6	0
175°	0	0	1	1	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	256.7	256.7	256.7	256.7	256.7
2.5°	258.3	257.8	255.2	257.3	256.2
5°	257.8	257.3	254.6	256.7	256.2
7.5°	255.7	255.7	254.1	256.2	255.7
10°	253.6	253.6	252.0	254.6	254.1
12.5°	250.4	250.9	249.9	253.0	252.5
15°	246.7	247.7	247.2	250.4	250.4
17.5°	242.5	243.5	243.5	247.2	247.2
20°	237.2	238.7	239.8	244.0	244.0
22.5°	231.9	234.0	235.6	239.3	240.9
25°	225.5	228.2	230.8	235.6	235.6
27.5°	219.2	222.3	225.5	230.3	230.8
30°	211.7	215.5	219.7	224.5	225.5
32.5°	204.3	209.1	213.3	219.2	220.7
35°	196.4	201.2	207.0	212.8	214.4
37.5°	187.4	193.2	200.6	207.0	208.6
40°	179.5	185.8	193.2	200.6	202.2
42.5°	170.5	177.3	186.3	193.2	195.9
45°	161.5	168.9	178.4	186.3	188.5
47.5°	151.9	160.4	171.0	178.4	181.0
50°	142.4	151.4	162.5	171.0	173.1
52.5°	132.9	142.4	154.0	162.5	165.2
55°	122.8	132.9	145.0	154.0	157.2
57.5°	113.3	123.3	136.0	145.6	148.8
60°	102.7	114.3	127.0	136.6	140.3
62.5°	93.7	104.3	118.0	127.6	130.8
65°	83.1	94.2	108.5	118.6	121.8
67.5°	73.1	84.7	99.0	109.6	112.8
70°	63.0	74.6	90.0	100.1	103.8
72.5°	52.9	65.1	79.9	91.1	94.8
75°	43.4	55.1	70.9	82.1	85.8
77.5°	33.4	46.1	61.9	73.1	77.3
80°	24.4	37.6	53.5	64.6	68.8
82.5°	16.4	29.6	45.5	56.6	60.9
85°	9.5	22.8	38.6	49.2	52.9
87.5°	4.8	17.5	32.3	42.9	46.6
90°	0.0	12.7	27.0	37.1	40.8
92.5°	0.0	12.2	26.5	36.0	39.7
95°	0.0	12.2	25.9	35.5	39.2
97.5°	0.0	11.6	25.4	35.5	38.6
100°	0.0	11.1	25.4	34.9	38.1
102.5°	0.0	10.6	24.9	34.4	37.6
105°	0.0	10.1	24.4	33.4	36.5
107.5°	0.5	10.1	23.3	32.8	36.0
110°	0.5	9.5	22.2	32.3	35.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	9.0	21.2	31.2	34.4
115°	0.5	9.0	20.6	29.6	33.4
117.5°	0.5	8.5	19.6	28.6	32.3
120°	0.5	8.5	19.1	27.5	30.7
122.5°	0.5	7.9	18.0	26.5	29.6
125°	0.5	7.4	17.5	25.4	28.6
127.5°	0.5	6.9	16.9	24.4	27.5
130°	0.5	6.4	15.9	23.3	25.9
132.5°	0.5	6.4	15.4	21.7	24.9
135°	0.5	5.8	14.3	20.6	23.3
137.5°	0.5	5.3	13.2	19.6	22.2
140°	0.5	4.8	12.2	18.5	20.6
142.5°	0.5	4.8	11.1	16.9	19.1
145°	0.5	4.2	10.1	15.9	17.5
147.5°	0.5	3.7	9.0	14.3	15.9
150°	0.5	3.7	7.9	12.7	14.3
152.5°	0.5	3.2	6.9	11.6	13.2
155°	0.5	2.6	6.4	10.1	11.6
157.5°	0.5	2.6	5.3	8.5	10.1
160°	0.5	2.1	4.8	6.9	8.5
162.5°	0.5	2.1	4.2	5.8	7.4
165°	0.5	1.6	3.2	4.8	5.8
167.5°	0.5	1.6	2.6	3.7	4.8
170°	0.5	1.1	2.1	2.6	3.7
172.5°	0.5	1.1	1.6	1.6	1.6
175°	0.5	0.5	1.1	1.1	0.5
177.5°	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)