

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: P565842

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

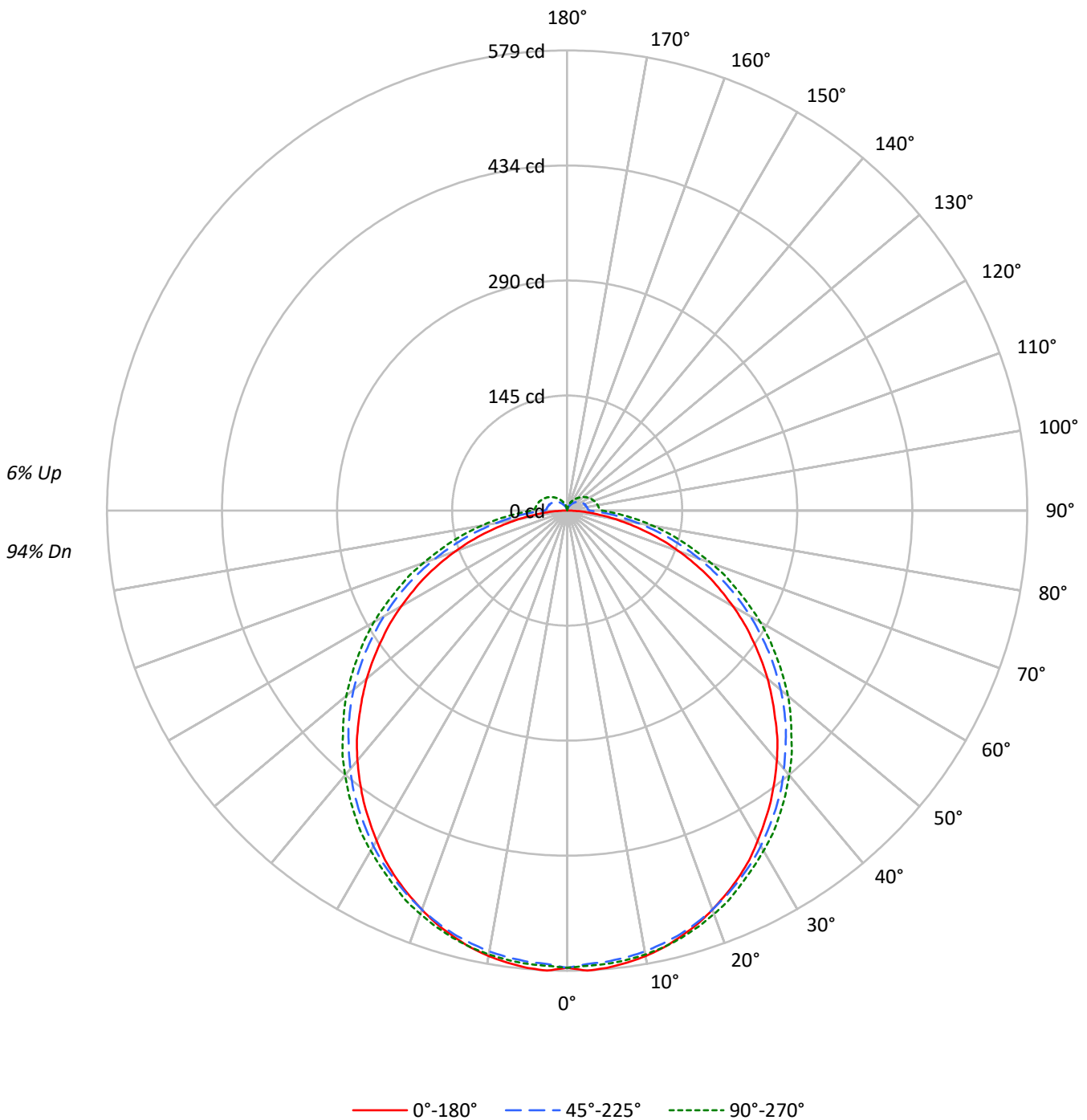
Lumens per Lamp: N/A
Luminaire Lumens: 1828.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 13.2
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	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12383	12383	12383
5°	12457	12170	12196
10°	12395	12032	12043
15°	12290	11872	11873
20°	12151	11679	11670
25°	11993	11471	11430
30°	11783	11257	11209
35°	11571	11007	10979
40°	11338	10733	10717
45°	11044	10459	10415
50°	10758	10149	10140
55°	10406	9767	9756
60°	10007	9328	9378
65°	9581	8809	8856
70°	8865	8152	8315
75°	7995	7384	7672
80°	6708	6369	6953
85°	5027	5469	6113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	3.0
10°-20°	156.5	8.6
20°-30°	237.2	13.0
30°-40°	286.4	15.7
40°-50°	299.0	16.4
50°-60°	274.7	15.0
60°-70°	217.3	11.9
70°-80°	137.5	7.5
80°-90°	59.1	3.2
90°-100°	26.0	1.4
100°-110°	23.3	1.3
110°-120°	19.7	1.1
120°-130°	15.3	0.8
130°-140°	10.6	0.6
140°-150°	6.4	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	448.3	24.5
0°-40°	734.7	40.2
0°-60°	1308.5	71.6
0°-90°	1722.4	94.2
90°-120°	69.0	3.8
90°-150°	101.2	5.5
90°-180°	106.0	5.8
0°-180°	1828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	575	575	575	575	575	
5°	578	576	570	575	573	55
15°	554	554	552	557	556	156
25°	510	512	513	520	519	235
35°	447	452	458	465	466	279
45°	370	379	389	396	399	286
55°	286	297	310	320	322	255
65°	196	208	222	232	236	193
75°	104	116	133	144	150	110
85°	25	39	56	68	72	28
90°	2	14	28	40	44	2
95°	0	12	26	36	40	0
105°	0	11	24	34	38	0
115°	0	9	22	31	34	0
125°	1	8	18	26	30	1
135°	1	6	15	21	24	0
145°	1	5	10	16	18	0
155°	1	3	7	10	12	0
165°	1	2	4	5	7	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	575.2	575.2	575.2	575.2	575.2
2.5°	579.4	577.5	571.0	575.6	573.3
5°	577.5	575.9	569.7	574.6	572.6
7.5°	573.9	572.6	567.1	572.3	570.4
10°	569.1	568.1	563.3	568.4	567.1
12.5°	562.9	562.6	557.8	563.6	562.6
15°	554.5	554.5	551.6	557.4	556.5
17.5°	545.5	545.8	543.5	549.7	549.0
20°	534.4	536.1	534.4	540.9	540.3
22.5°	522.5	524.7	524.1	530.6	530.9
25°	509.8	512.1	512.8	519.6	518.6
27.5°	495.9	499.5	500.8	506.9	506.6
30°	479.7	484.6	487.5	492.7	494.3
32.5°	463.2	469.1	472.6	479.7	481.7
35°	446.7	451.9	457.7	464.9	466.5
37.5°	428.6	434.4	442.2	449.0	450.9
40°	410.5	416.9	424.4	431.8	434.7
42.5°	391.7	398.5	406.6	415.3	418.2
45°	370.3	379.4	389.1	396.5	399.1
47.5°	349.9	360.0	370.3	378.4	381.3
50°	329.2	339.9	350.9	358.3	362.9
52.5°	307.5	319.2	330.2	339.6	342.5
55°	285.5	297.2	309.5	319.5	321.8
57.5°	264.1	275.5	287.8	297.2	301.7
60°	240.8	253.1	266.4	275.8	280.7
62.5°	218.2	230.2	244.4	254.4	258.3
65°	196.5	207.5	222.1	232.4	236.0
67.5°	172.5	185.2	199.1	211.1	215.6
70°	148.9	160.9	176.7	188.1	192.6
72.5°	126.9	138.5	154.4	165.7	169.9
75°	103.6	115.9	132.7	144.1	149.6
77.5°	81.3	94.8	111.0	123.3	129.5
80°	60.5	72.5	90.0	103.6	109.1
82.5°	41.1	54.1	72.2	84.8	91.0
85°	25.2	38.8	55.7	67.7	71.9
87.5°	12.0	24.9	40.5	52.1	57.3
90°	1.6	13.9	28.5	39.8	44.0
92.5°	0.3	12.0	26.2	36.9	40.8
95°	0.3	12.0	25.9	36.3	40.1
97.5°	0.3	11.7	25.6	35.9	39.5
100°	0.3	11.3	25.2	35.3	39.2
102.5°	0.3	11.3	24.6	34.6	38.2
105°	0.3	11.0	24.3	34.0	37.6
107.5°	0.3	10.7	23.6	33.3	36.9
110°	0.3	10.0	23.3	32.4	35.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.7	22.7	31.7	35.0
115°	0.3	9.4	22.0	30.8	34.0
117.5°	0.3	9.1	21.0	29.8	33.0
120°	0.6	9.1	20.4	28.8	31.7
122.5°	0.6	8.7	19.4	27.5	30.4
125°	0.6	8.4	18.5	26.5	29.5
127.5°	0.6	8.1	17.5	25.2	27.8
130°	0.6	7.4	16.8	24.0	26.5
132.5°	0.6	7.1	15.9	22.3	24.9
135°	0.6	6.5	14.9	21.0	23.6
137.5°	0.6	6.2	13.9	19.7	22.0
140°	0.6	5.8	12.6	18.5	20.7
142.5°	0.6	5.2	11.7	17.2	19.1
145°	0.6	4.9	10.4	15.9	17.5
147.5°	0.6	4.2	9.4	14.6	16.2
150°	0.6	3.9	8.4	13.3	14.9
152.5°	0.6	3.6	7.4	11.7	13.3
155°	0.6	3.2	6.8	10.0	12.0
157.5°	0.6	2.9	5.8	8.7	10.7
160°	1.0	2.6	5.2	7.4	9.1
162.5°	1.0	2.3	4.2	6.2	8.1
165°	1.0	2.3	3.6	4.9	6.8
167.5°	1.0	1.9	2.9	3.9	5.5
170°	1.0	1.6	2.6	2.9	4.2
172.5°	1.0	1.3	1.9	1.9	2.3
175°	1.0	1.3	1.6	1.6	1.0
177.5°	1.0	1.0	1.0	1.0	0.6
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)