

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: P565849

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565849
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-CC93-CD-5000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

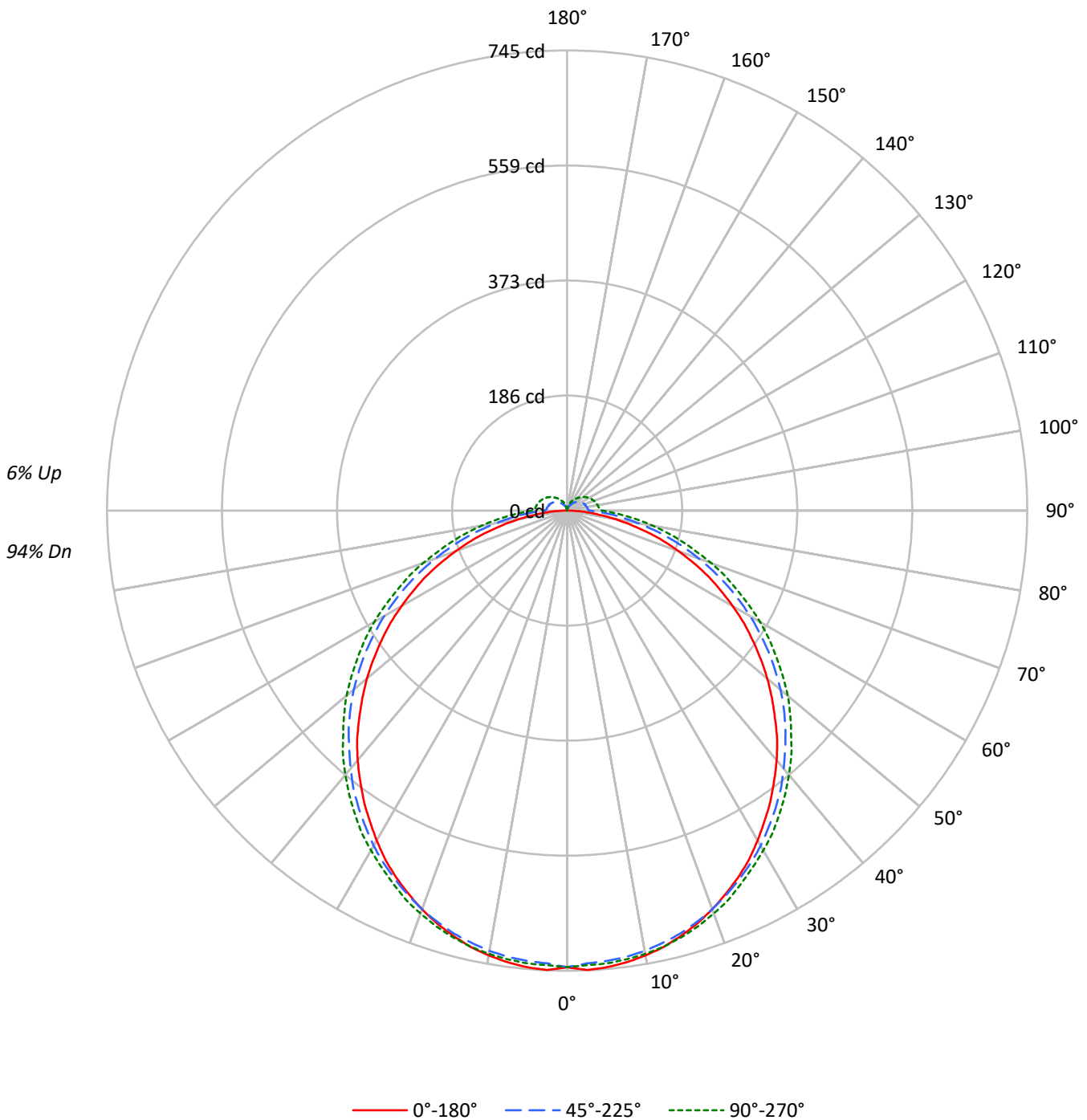
Lumens per Lamp: N/A
Luminaire Lumens: 2349.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 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	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°	15913	15913	15913
5°	16008	15639	15674
10°	15928	15461	15477
15°	15794	15255	15256
20°	15616	15010	14996
25°	15413	14740	14688
30°	15143	14466	14404
35°	14868	14145	14106
40°	14569	13790	13775
45°	14193	13440	13384
50°	13824	13041	13029
55°	13373	12550	12536
60°	12862	11986	12048
65°	12312	11320	11378
70°	11389	10478	10685
75°	10272	9487	9856
80°	8626	8180	8935
85°	6464	7021	7848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.0
10°-20°	201.2	8.6
20°-30°	304.9	13.0
30°-40°	368.0	15.7
40°-50°	384.3	16.4
50°-60°	353.1	15.0
60°-70°	279.2	11.9
70°-80°	176.7	7.5
80°-90°	75.9	3.2
90°-100°	33.4	1.4
100°-110°	29.9	1.3
110°-120°	25.3	1.1
120°-130°	19.7	0.8
130°-140°	13.6	0.6
140°-150°	8.2	0.3
150°-160°	4.0	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	576.1	24.5
0°-40°	944.1	40.2
0°-60°	1681.5	71.6
0°-90°	2213.3	94.2
90°-120°	88.6	3.8
90°-150°	130.1	5.5
90°-180°	136.0	5.8
0°-180°	2349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	742	740	732	738	736	70
15°	713	713	709	716	715	201
25°	655	658	659	668	666	302
35°	574	581	588	597	599	359
45°	476	488	500	510	513	368
55°	367	382	398	411	414	328
65°	252	267	285	299	303	249
75°	133	149	170	185	192	141
85°	32	50	72	87	92	36
90°	2	18	37	51	57	3
95°	0	15	33	47	52	0
105°	0	14	31	44	48	0
115°	0	12	28	40	44	0
125°	1	11	24	34	38	1
135°	1	8	19	27	30	1
145°	1	6	13	20	22	1
155°	1	4	9	13	15	0
165°	1	3	5	6	9	0
175°	1	2	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°	739.2	739.2	739.2	739.2	739.2
2.5°	744.6	742.1	733.8	739.6	736.7
5°	742.1	740.0	732.1	738.4	735.9
7.5°	737.5	735.9	728.8	735.4	732.9
10°	731.3	730.0	723.8	730.5	728.8
12.5°	723.4	723.0	716.7	724.2	723.0
15°	712.6	712.6	708.8	716.3	715.1
17.5°	700.9	701.3	698.4	706.3	705.5
20°	686.8	688.9	686.8	695.1	694.3
22.5°	671.4	674.3	673.5	681.8	682.2
25°	655.2	658.1	658.9	667.6	666.4
27.5°	637.3	641.8	643.5	651.4	651.0
30°	616.5	622.7	626.5	633.1	635.2
32.5°	595.3	602.7	607.3	616.5	619.0
35°	574.0	580.7	588.2	597.3	599.4
37.5°	550.7	558.2	568.2	577.0	579.5
40°	527.5	535.8	545.3	554.9	558.7
42.5°	503.3	512.1	522.5	533.7	537.4
45°	475.9	487.5	500.0	509.6	512.9
47.5°	449.7	462.6	475.9	486.3	490.0
50°	423.0	436.8	450.9	460.5	466.3
52.5°	395.2	410.2	424.3	436.4	440.1
55°	366.9	381.9	397.7	410.6	413.5
57.5°	339.4	354.0	369.8	381.9	387.7
60°	309.5	325.3	342.3	354.4	360.6
62.5°	280.4	295.8	314.1	327.0	331.9
65°	252.5	266.6	285.4	298.7	303.2
67.5°	221.7	237.9	255.8	271.2	277.0
70°	191.3	206.7	227.1	241.7	247.5
72.5°	163.1	178.0	198.4	213.0	218.4
75°	133.1	148.9	170.5	185.1	192.2
77.5°	104.4	121.9	142.7	158.5	166.4
80°	77.8	93.2	115.6	133.1	140.2
82.5°	52.8	69.5	92.8	109.0	116.9
85°	32.4	49.9	71.5	86.9	92.3
87.5°	15.4	32.0	52.0	67.0	73.6
90°	2.1	17.9	36.6	51.2	56.6
92.5°	0.4	15.4	33.7	47.4	52.4
95°	0.4	15.4	33.3	46.6	51.6
97.5°	0.4	15.0	32.9	46.2	50.7
100°	0.4	14.6	32.4	45.3	50.3
102.5°	0.4	14.6	31.6	44.5	49.1
105°	0.4	14.1	31.2	43.7	48.3
107.5°	0.4	13.7	30.4	42.8	47.4
110°	0.4	12.9	30.0	41.6	46.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.5	29.1	40.8	44.9
115°	0.4	12.1	28.3	39.5	43.7
117.5°	0.4	11.6	27.0	38.3	42.4
120°	0.8	11.6	26.2	37.0	40.8
122.5°	0.8	11.2	25.0	35.4	39.1
125°	0.8	10.8	23.7	34.1	37.9
127.5°	0.8	10.4	22.5	32.4	35.8
130°	0.8	9.6	21.6	30.8	34.1
132.5°	0.8	9.2	20.4	28.7	32.0
135°	0.8	8.3	19.1	27.0	30.4
137.5°	0.8	7.9	17.9	25.4	28.3
140°	0.8	7.5	16.2	23.7	26.6
142.5°	0.8	6.7	15.0	22.0	24.5
145°	0.8	6.2	13.3	20.4	22.5
147.5°	0.8	5.4	12.1	18.7	20.8
150°	0.8	5.0	10.8	17.1	19.1
152.5°	0.8	4.6	9.6	15.0	17.1
155°	0.8	4.2	8.7	12.9	15.4
157.5°	0.8	3.7	7.5	11.2	13.7
160°	1.2	3.3	6.7	9.6	11.6
162.5°	1.2	2.9	5.4	7.9	10.4
165°	1.2	2.9	4.6	6.2	8.7
167.5°	1.2	2.5	3.7	5.0	7.1
170°	1.2	2.1	3.3	3.7	5.4
172.5°	1.2	1.7	2.5	2.5	2.9
175°	1.2	1.7	2.1	2.1	1.2
177.5°	1.2	1.2	1.2	1.2	0.8
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)