

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: P565846

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565846
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-4000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

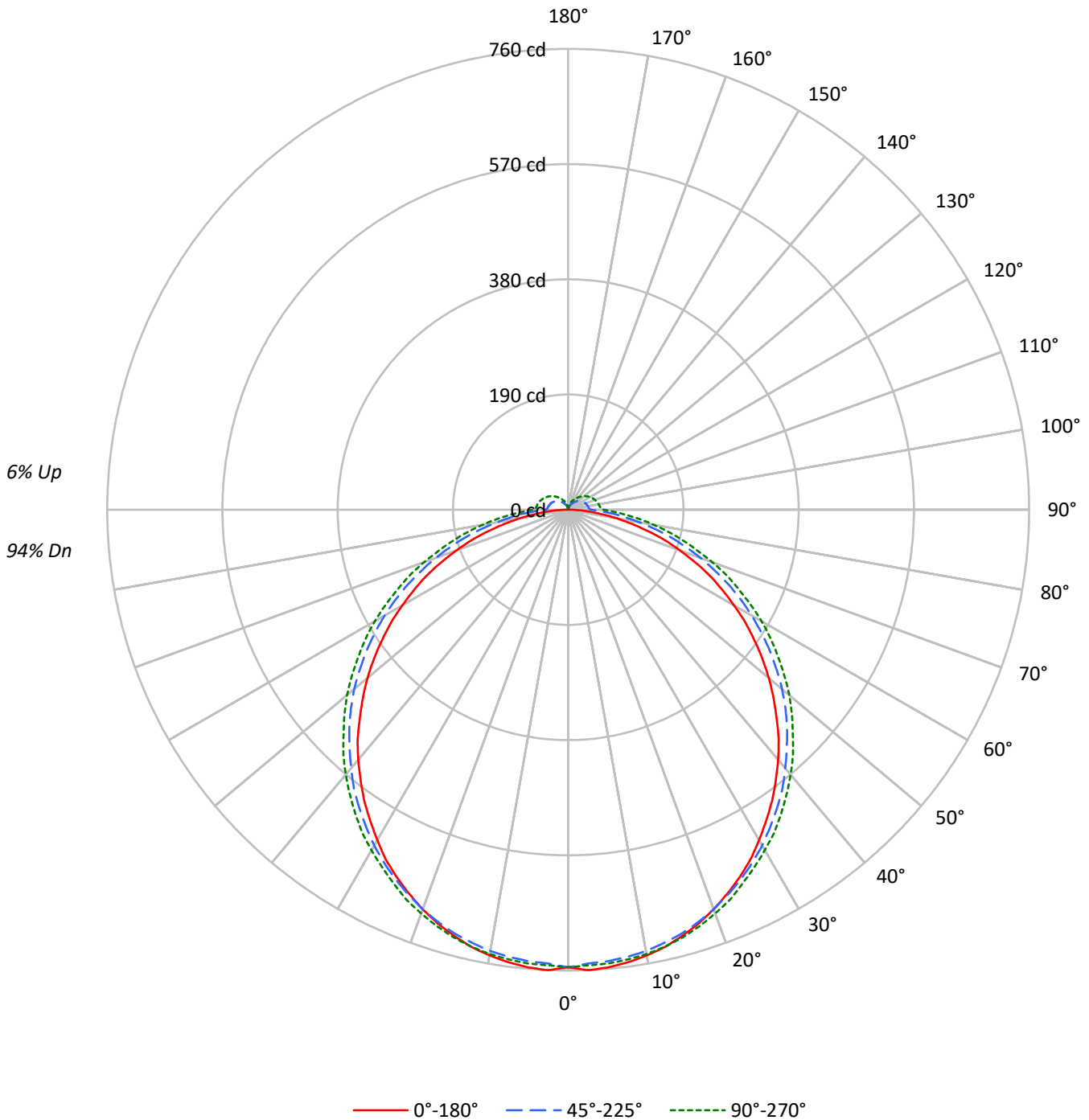
Lumens per Lamp: N/A
Luminaire Lumens: 2398.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

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°	16245	16245	16245
5°	16342	15966	16000
10°	16259	15783	15799
15°	16122	15574	15574
20°	15941	15322	15307
25°	15733	15046	14994
30°	15457	14766	14703
35°	15179	14441	14401
40°	14873	14078	14061
45°	14488	13720	13664
50°	14114	13313	13300
55°	13650	12812	12797
60°	13128	12238	12302
65°	12571	11554	11618
70°	11627	10699	10910
75°	10488	9688	10061
80°	8803	8357	9120
85°	6603	7168	8018



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	3.0
10°-20°	205.4	8.6
20°-30°	311.2	13.0
30°-40°	375.7	15.7
40°-50°	392.3	16.4
50°-60°	360.4	15.0
60°-70°	285.0	11.9
70°-80°	180.4	7.5
80°-90°	77.5	3.2
90°-100°	34.1	1.4
100°-110°	30.5	1.3
110°-120°	25.8	1.1
120°-130°	20.1	0.8
130°-140°	13.9	0.6
140°-150°	8.3	0.3
150°-160°	4.1	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	588.1	24.5
0°-40°	963.8	40.2
0°-60°	1716.5	71.6
0°-90°	2259.5	94.2
90°-120°	90.5	3.8
90°-150°	132.8	5.5
90°-180°	139.0	5.8
0°-180°	2398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	758	756	747	754	751	72
15°	727	727	724	731	730	205
25°	669	672	673	682	680	308
35°	586	593	600	610	612	366
45°	486	498	510	520	524	375
55°	374	390	406	419	422	335
65°	258	272	291	305	310	254
75°	136	152	174	189	196	144
85°	33	51	73	89	94	37
90°	2	18	37	52	58	3
95°	0	16	34	48	53	0
105°	0	14	32	45	49	0
115°	0	12	29	40	45	0
125°	1	11	24	35	39	1
135°	1	8	20	28	31	1
145°	1	6	14	21	23	1
155°	1	4	9	13	16	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°	754.6	754.6	754.6	754.6	754.6
2.5°	760.1	757.6	749.1	755.0	752.1
5°	757.6	755.5	747.4	753.8	751.2
7.5°	752.9	751.2	744.0	750.8	748.2
10°	746.5	745.3	738.9	745.7	744.0
12.5°	738.5	738.0	731.7	739.3	738.0
15°	727.4	727.4	723.6	731.2	730.0
17.5°	715.5	716.0	713.0	721.1	720.2
20°	701.1	703.2	701.1	709.6	708.7
22.5°	685.4	688.4	687.5	696.0	696.4
25°	668.8	671.8	672.6	681.6	680.3
27.5°	650.6	655.2	656.9	665.0	664.6
30°	629.3	635.7	639.5	646.3	648.4
32.5°	607.7	615.3	620.0	629.3	631.9
35°	586.0	592.8	600.5	609.8	611.9
37.5°	562.2	569.9	580.1	589.0	591.5
40°	538.5	547.0	556.7	566.5	570.3
42.5°	513.8	522.7	533.4	544.8	548.6
45°	485.8	497.7	510.4	520.2	523.6
47.5°	459.0	472.2	485.8	496.4	500.2
50°	431.9	445.9	460.3	470.1	476.0
52.5°	403.4	418.7	433.1	445.5	449.3
55°	374.5	389.8	406.0	419.1	422.1
57.5°	346.5	361.4	377.5	389.8	395.8
60°	315.9	332.1	349.5	361.8	368.2
62.5°	286.2	301.9	320.6	333.8	338.9
65°	257.8	272.2	291.3	304.9	309.6
67.5°	226.3	242.9	261.2	276.9	282.8
70°	195.3	211.1	231.9	246.7	252.7
72.5°	166.5	181.8	202.6	217.4	222.9
75°	135.9	152.0	174.1	189.0	196.2
77.5°	106.6	124.4	145.7	161.8	169.9
80°	79.4	95.1	118.1	135.9	143.1
82.5°	53.9	70.9	94.7	111.3	119.3
85°	33.1	51.0	73.0	88.8	94.3
87.5°	15.7	32.7	53.1	68.4	75.2
90°	2.1	18.3	37.4	52.2	57.8
92.5°	0.4	15.7	34.4	48.4	53.5
95°	0.4	15.7	34.0	47.6	52.7
97.5°	0.4	15.3	33.5	47.1	51.8
100°	0.4	14.9	33.1	46.3	51.4
102.5°	0.4	14.9	32.3	45.4	50.1
105°	0.4	14.4	31.8	44.6	49.3
107.5°	0.4	14.0	31.0	43.7	48.4
110°	0.4	13.2	30.6	42.5	47.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.7	29.7	41.6	45.9
115°	0.4	12.3	28.9	40.3	44.6
117.5°	0.4	11.9	27.6	39.1	43.3
120°	0.8	11.9	26.8	37.8	41.6
122.5°	0.8	11.5	25.5	36.1	39.9
125°	0.8	11.0	24.2	34.8	38.6
127.5°	0.8	10.6	22.9	33.1	36.5
130°	0.8	9.8	22.1	31.4	34.8
132.5°	0.8	9.3	20.8	29.3	32.7
135°	0.8	8.5	19.5	27.6	31.0
137.5°	0.8	8.1	18.3	25.9	28.9
140°	0.8	7.6	16.6	24.2	27.2
142.5°	0.8	6.8	15.3	22.5	25.1
145°	0.8	6.4	13.6	20.8	22.9
147.5°	0.8	5.5	12.3	19.1	21.2
150°	0.8	5.1	11.0	17.4	19.5
152.5°	0.8	4.7	9.8	15.3	17.4
155°	0.8	4.2	8.9	13.2	15.7
157.5°	0.8	3.8	7.6	11.5	14.0
160°	1.3	3.4	6.8	9.8	11.9
162.5°	1.3	3.0	5.5	8.1	10.6
165°	1.3	3.0	4.7	6.4	8.9
167.5°	1.3	2.5	3.8	5.1	7.2
170°	1.3	2.1	3.4	3.8	5.5
172.5°	1.3	1.7	2.5	2.5	3.0
175°	1.3	1.7	2.1	2.1	1.3
177.5°	1.3	1.3	1.3	1.3	0.8
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)