

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: P565844

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565844
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-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

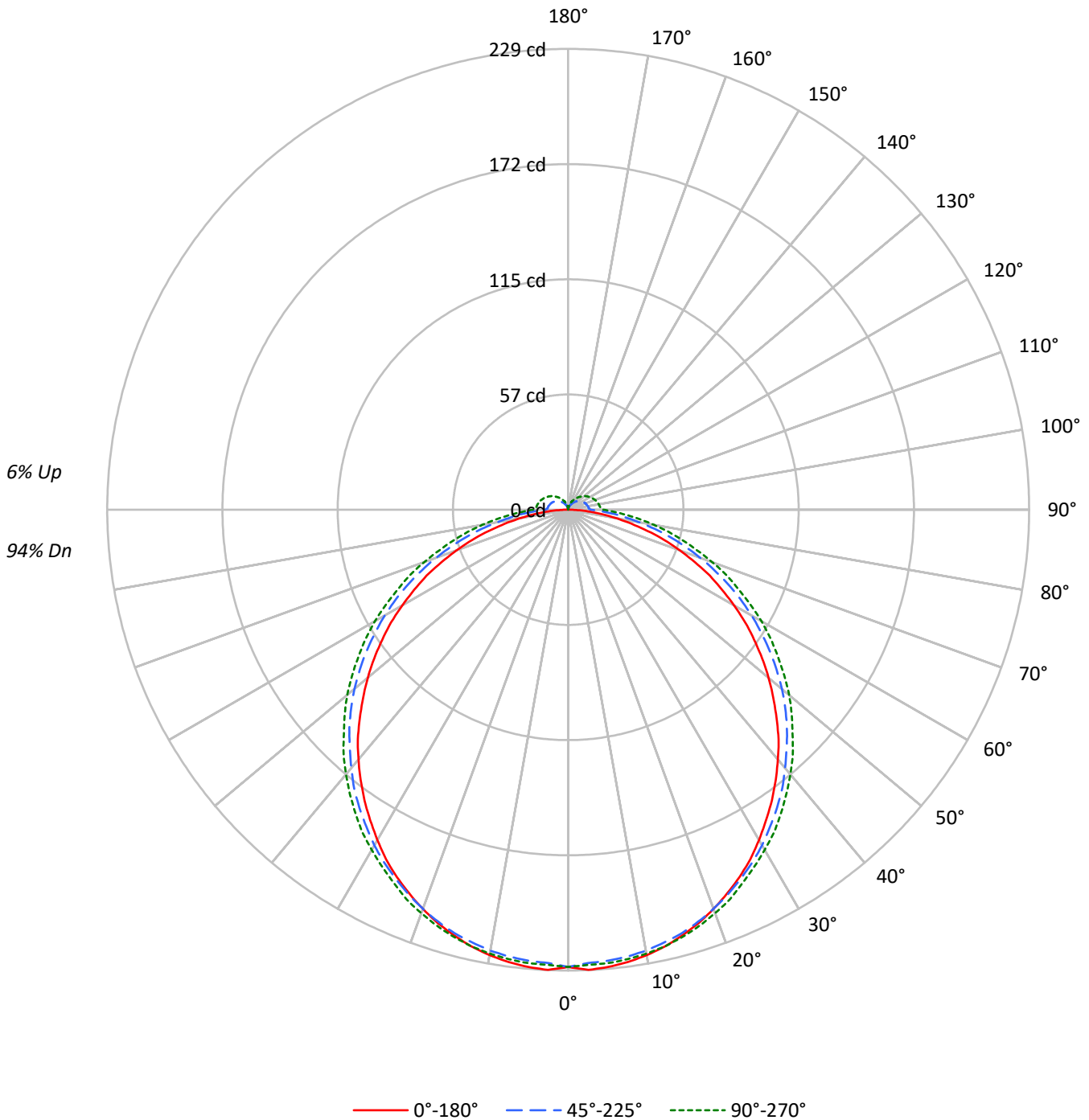
Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 6.93
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°	4891	4891	4891
5°	4920	4807	4818
10°	4896	4753	4757
15°	4854	4690	4689
20°	4800	4614	4609
25°	4738	4530	4514
30°	4655	4447	4426
35°	4569	4348	4335
40°	4477	4238	4233
45°	4363	4132	4113
50°	4248	4009	4004
55°	4111	3856	3853
60°	3952	3684	3705
65°	3784	3478	3497
70°	3501	3220	3285
75°	3157	2916	3031
80°	2650	2512	2747
85°	1995	2160	2415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	3.0
10°-20°	61.8	8.6
20°-30°	93.7	13.0
30°-40°	113.1	15.7
40°-50°	118.1	16.4
50°-60°	108.5	15.0
60°-70°	85.8	11.9
70°-80°	54.3	7.5
80°-90°	23.3	3.2
90°-100°	10.3	1.4
100°-110°	9.2	1.3
110°-120°	7.8	1.1
120°-130°	6.1	0.8
130°-140°	4.2	0.6
140°-150°	2.5	0.3
150°-160°	1.2	0.2
160°-170°	0.4	0.1
170°-180°	0.1	0.0
0°-30°	177.1	24.5
0°-40°	290.2	40.2
0°-60°	516.8	71.6
0°-90°	680.3	94.2
90°-120°	27.2	3.8
90°-150°	40.0	5.5
90°-180°	42.0	5.8
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	227	227	227	227	227	
5°	228	228	225	227	226	22
15°	219	219	218	220	220	62
25°	201	202	202	205	205	93
35°	176	178	181	184	184	110
45°	146	150	154	157	158	113
55°	113	117	122	126	127	101
65°	78	82	88	92	93	76
75°	41	46	52	57	59	43
85°	10	15	22	27	28	11
90°	1	6	11	16	17	1
95°	0	5	10	14	16	0
105°	0	4	10	13	15	0
115°	0	4	9	12	13	0
125°	0	3	7	10	12	0
135°	0	3	6	8	9	0
145°	0	2	4	6	7	0
155°	0	1	3	4	5	0
165°	0	1	1	2	3	0
175°	0	0	1	1	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	227.2	227.2	227.2	227.2	227.2
2.5°	228.9	228.1	225.5	227.3	226.4
5°	228.1	227.5	225.0	226.9	226.2
7.5°	226.7	226.2	224.0	226.0	225.3
10°	224.8	224.4	222.5	224.5	224.0
12.5°	222.3	222.2	220.3	222.6	222.2
15°	219.0	219.0	217.9	220.2	219.8
17.5°	215.4	215.6	214.7	217.1	216.8
20°	211.1	211.7	211.1	213.6	213.4
22.5°	206.4	207.3	207.0	209.6	209.7
25°	201.4	202.3	202.5	205.2	204.8
27.5°	195.9	197.3	197.8	200.2	200.1
30°	189.5	191.4	192.6	194.6	195.2
32.5°	183.0	185.3	186.7	189.5	190.2
35°	176.4	178.5	180.8	183.6	184.2
37.5°	169.3	171.6	174.7	177.3	178.1
40°	162.1	164.7	167.6	170.6	171.7
42.5°	154.7	157.4	160.6	164.0	165.2
45°	146.3	149.8	153.7	156.6	157.6
47.5°	138.2	142.2	146.3	149.5	150.6
50°	130.0	134.2	138.6	141.5	143.3
52.5°	121.5	126.1	130.4	134.1	135.3
55°	112.8	117.4	122.2	126.2	127.1
57.5°	104.3	108.8	113.7	117.4	119.2
60°	95.1	100.0	105.2	108.9	110.9
62.5°	86.2	90.9	96.5	100.5	102.0
65°	77.6	82.0	87.7	91.8	93.2
67.5°	68.1	73.1	78.6	83.4	85.2
70°	58.8	63.5	69.8	74.3	76.1
72.5°	50.1	54.7	61.0	65.5	67.1
75°	40.9	45.8	52.4	56.9	59.1
77.5°	32.1	37.5	43.9	48.7	51.1
80°	23.9	28.6	35.5	40.9	43.1
82.5°	16.2	21.4	28.5	33.5	35.9
85°	10.0	15.3	22.0	26.7	28.4
87.5°	4.7	9.8	16.0	20.6	22.6
90°	0.6	5.5	11.3	15.7	17.4
92.5°	0.1	4.7	10.4	14.6	16.1
95°	0.1	4.7	10.2	14.3	15.9
97.5°	0.1	4.6	10.1	14.2	15.6
100°	0.1	4.5	10.0	13.9	15.5
102.5°	0.1	4.5	9.7	13.7	15.1
105°	0.1	4.3	9.6	13.4	14.8
107.5°	0.1	4.2	9.3	13.2	14.6
110°	0.1	4.0	9.2	12.8	14.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.1	3.8	8.9	12.5	13.8
115°	0.1	3.7	8.7	12.1	13.4
117.5°	0.1	3.6	8.3	11.8	13.0
120°	0.3	3.6	8.1	11.4	12.5
122.5°	0.3	3.5	7.7	10.9	12.0
125°	0.3	3.3	7.3	10.5	11.6
127.5°	0.3	3.2	6.9	10.0	11.0
130°	0.3	2.9	6.6	9.5	10.5
132.5°	0.3	2.8	6.3	8.8	9.8
135°	0.3	2.6	5.9	8.3	9.3
137.5°	0.3	2.4	5.5	7.8	8.7
140°	0.3	2.3	5.0	7.3	8.2
142.5°	0.3	2.0	4.6	6.8	7.5
145°	0.3	1.9	4.1	6.3	6.9
147.5°	0.3	1.7	3.7	5.8	6.4
150°	0.3	1.5	3.3	5.2	5.9
152.5°	0.3	1.4	2.9	4.6	5.2
155°	0.3	1.3	2.7	4.0	4.7
157.5°	0.3	1.2	2.3	3.5	4.2
160°	0.4	1.0	2.0	2.9	3.6
162.5°	0.4	0.9	1.7	2.4	3.2
165°	0.4	0.9	1.4	1.9	2.7
167.5°	0.4	0.8	1.2	1.5	2.2
170°	0.4	0.6	1.0	1.2	1.7
172.5°	0.4	0.5	0.8	0.8	0.9
175°	0.4	0.5	0.6	0.6	0.4
177.5°	0.4	0.4	0.4	0.4	0.3
180°	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)