

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: P565834

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565834
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-3500K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

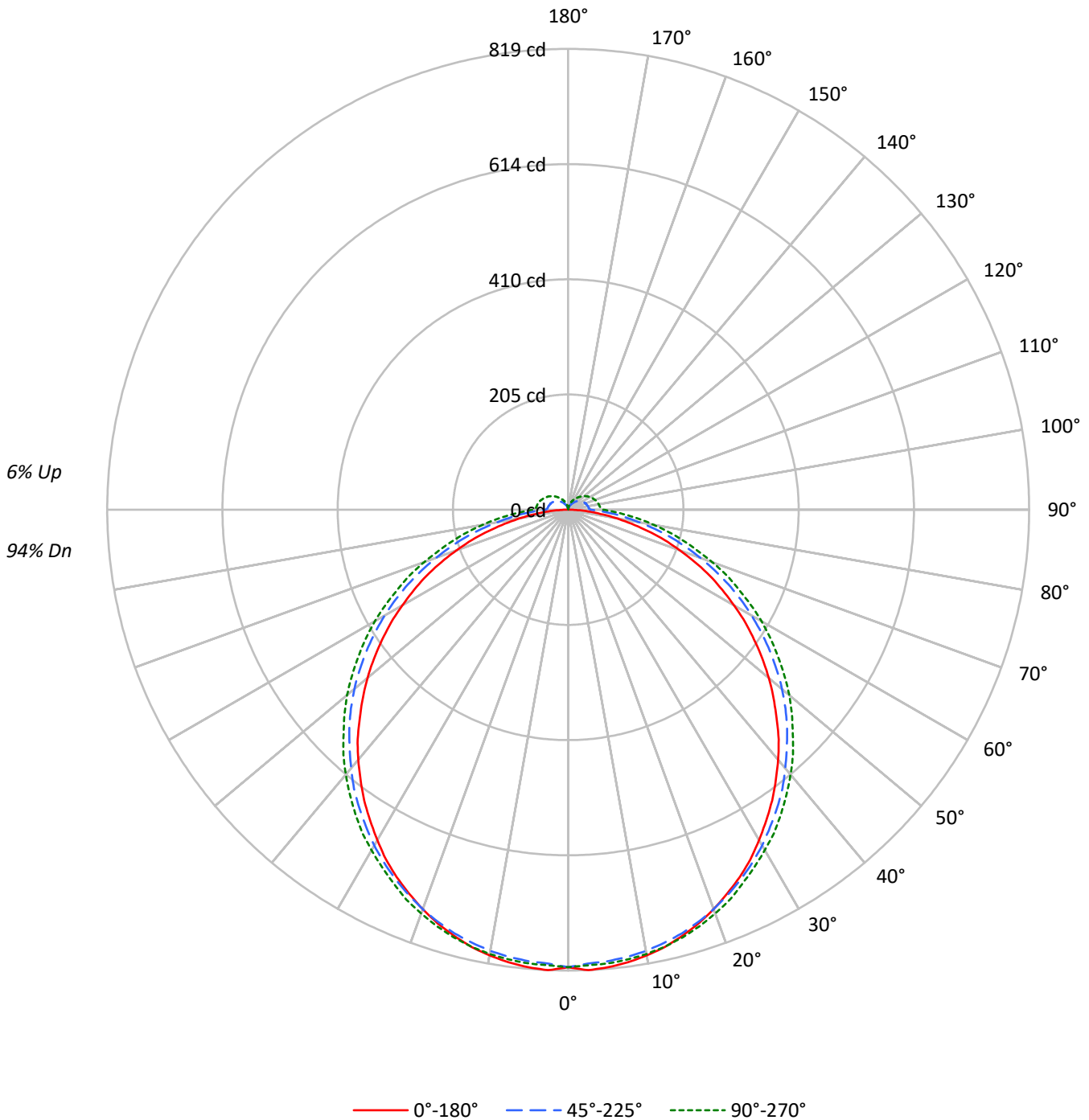
Lumens per Lamp: N/A
Luminaire Lumens: 2584.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 21
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°	17504	17504	17504
5°	17608	17205	17242
10°	17520	17007	17025
15°	17374	16781	16782
20°	17178	16511	16495
25°	16954	16214	16158
30°	16656	15912	15844
35°	16358	15559	15518
40°	16025	15171	15150
45°	15613	14785	14723
50°	15209	14345	14334
55°	14710	13806	13788
60°	14146	13187	13254
65°	13546	12450	12519
70°	12532	11525	11756
75°	11299	10439	10841
80°	9491	9001	9828
85°	7122	7728	8639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	3.0
10°-20°	221.3	8.6
20°-30°	335.3	13.0
30°-40°	404.8	15.7
40°-50°	422.7	16.4
50°-60°	388.4	15.0
60°-70°	307.1	11.9
70°-80°	194.4	7.5
80°-90°	83.5	3.2
90°-100°	36.8	1.4
100°-110°	32.9	1.3
110°-120°	27.8	1.1
120°-130°	21.7	0.8
130°-140°	15.0	0.6
140°-150°	9.0	0.3
150°-160°	4.4	0.2
160°-170°	1.5	0.1
170°-180°	0.2	0.0
0°-30°	633.7	24.5
0°-40°	1038.6	40.2
0°-60°	1849.7	71.6
0°-90°	2434.7	94.2
90°-120°	97.5	3.8
90°-150°	143.2	5.5
90°-180°	149.0	5.8
0°-180°	2584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	816	814	805	812	810	78
15°	784	784	780	788	787	221
25°	721	724	725	734	733	332
35°	632	639	647	657	659	395
45°	524	536	550	560	564	404
55°	404	420	438	452	455	361
65°	278	293	314	328	334	274
75°	146	164	188	204	211	155
85°	36	55	79	96	102	39
90°	2	20	40	56	62	3
95°	0	17	37	51	57	0
105°	0	16	34	48	53	1
115°	0	13	31	44	48	1
125°	1	12	26	38	42	1
135°	1	9	21	30	33	1
145°	1	7	15	22	25	1
155°	1	5	10	14	17	0
165°	1	3	5	7	10	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°	813.1	813.1	813.1	813.1	813.1
2.5°	819.1	816.3	807.2	813.6	810.4
5°	816.3	814.1	805.4	812.2	809.5
7.5°	811.3	809.5	801.7	809.0	806.3
10°	804.4	803.1	796.2	803.5	801.7
12.5°	795.7	795.3	788.4	796.7	795.3
15°	783.9	783.9	779.7	788.0	786.6
17.5°	771.0	771.5	768.3	777.0	776.1
20°	755.5	757.8	755.5	764.6	763.7
22.5°	738.5	741.8	740.8	750.0	750.4
25°	720.7	723.9	724.8	734.4	733.1
27.5°	701.0	706.1	707.9	716.6	716.1
30°	678.1	685.0	689.1	696.5	698.7
32.5°	654.8	663.0	668.1	678.1	680.9
35°	631.5	638.8	647.0	657.1	659.4
37.5°	605.8	614.1	625.1	634.7	637.4
40°	580.2	589.4	599.9	610.4	614.5
42.5°	553.7	563.3	574.7	587.1	591.2
45°	523.5	536.3	550.0	560.5	564.2
47.5°	494.7	508.8	523.5	534.9	539.0
50°	465.4	480.5	496.0	506.6	513.0
52.5°	434.7	451.2	466.7	480.0	484.1
55°	403.6	420.1	437.5	451.6	454.8
57.5°	373.4	389.4	406.8	420.1	426.5
60°	340.4	357.8	376.6	389.9	396.7
62.5°	308.4	325.3	345.5	359.7	365.2
65°	277.8	293.3	313.9	328.5	333.6
67.5°	243.9	261.7	281.4	298.3	304.8
70°	210.5	227.4	249.8	265.9	272.3
72.5°	179.4	195.8	218.3	234.3	240.2
75°	146.4	163.8	187.6	203.6	211.4
77.5°	114.9	134.1	157.0	174.3	183.0
80°	85.6	102.5	127.2	146.4	154.2
82.5°	58.1	76.4	102.0	119.9	128.6
85°	35.7	54.9	78.7	95.6	101.6
87.5°	16.9	35.2	57.2	73.7	81.0
90°	2.3	19.7	40.3	56.3	62.2
92.5°	0.5	16.9	37.1	52.2	57.7
95°	0.5	16.9	36.6	51.3	56.7
97.5°	0.5	16.5	36.1	50.8	55.8
100°	0.5	16.0	35.7	49.9	55.4
102.5°	0.5	16.0	34.8	49.0	54.0
105°	0.5	15.6	34.3	48.0	53.1
107.5°	0.5	15.1	33.4	47.1	52.2
110°	0.5	14.2	32.9	45.8	50.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	13.7	32.0	44.8	49.4
115°	0.5	13.3	31.1	43.5	48.0
117.5°	0.5	12.8	29.7	42.1	46.7
120°	0.9	12.8	28.8	40.7	44.8
122.5°	0.9	12.4	27.5	38.9	43.0
125°	0.9	11.9	26.1	37.5	41.6
127.5°	0.9	11.4	24.7	35.7	39.4
130°	0.9	10.5	23.8	33.9	37.5
132.5°	0.9	10.1	22.4	31.6	35.2
135°	0.9	9.2	21.0	29.7	33.4
137.5°	0.9	8.7	19.7	27.9	31.1
140°	0.9	8.2	17.8	26.1	29.3
142.5°	0.9	7.3	16.5	24.3	27.0
145°	0.9	6.9	14.6	22.4	24.7
147.5°	0.9	5.9	13.3	20.6	22.9
150°	0.9	5.5	11.9	18.8	21.0
152.5°	0.9	5.0	10.5	16.5	18.8
155°	0.9	4.6	9.6	14.2	16.9
157.5°	0.9	4.1	8.2	12.4	15.1
160°	1.4	3.7	7.3	10.5	12.8
162.5°	1.4	3.2	5.9	8.7	11.4
165°	1.4	3.2	5.0	6.9	9.6
167.5°	1.4	2.7	4.1	5.5	7.8
170°	1.4	2.3	3.7	4.1	5.9
172.5°	1.4	1.8	2.7	2.7	3.2
175°	1.4	1.8	2.3	2.3	1.4
177.5°	1.4	1.4	1.4	1.4	0.9
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)