

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: P567047

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567047
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: 4SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

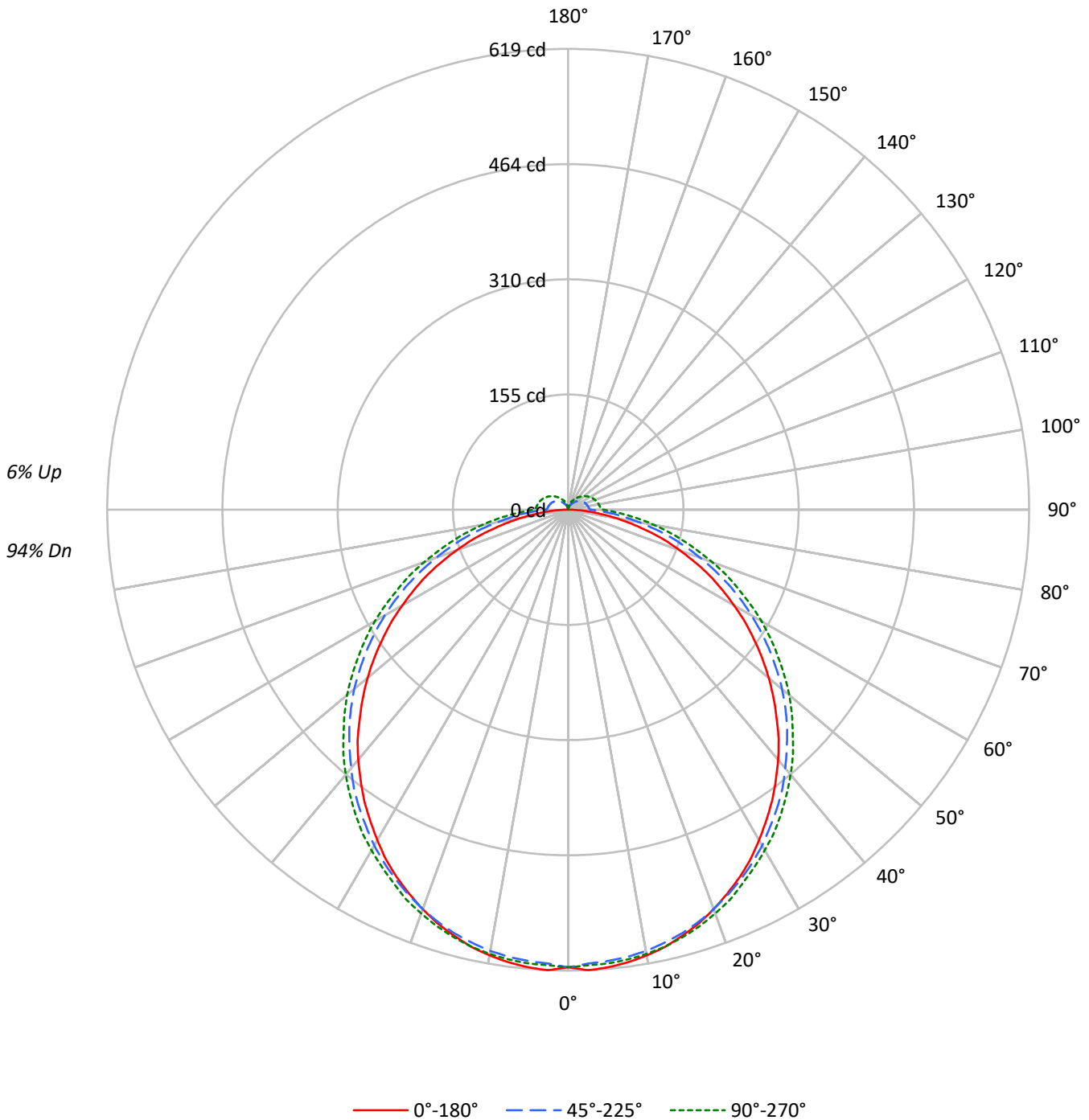
Lumens per Lamp: N/A
Luminaire Lumens: 1953.0 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.731
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°	6616	6616	6616
5°	6661	6506	6516
10°	6633	6436	6433
15°	6583	6354	6342
20°	6516	6256	6234
25°	6438	6147	6105
30°	6332	6037	5988
35°	6226	5908	5865
40°	6108	5765	5726
45°	5961	5624	5564
50°	5817	5463	5416
55°	5640	5263	5211
60°	5441	5035	5010
65°	5229	4765	4730
70°	4868	4421	4443
75°	4432	4019	4097
80°	3787	3483	3716
85°	2980	3022	3265



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	3.0
10°-20°	167.2	8.6
20°-30°	253.4	13.0
30°-40°	306.0	15.7
40°-50°	319.5	16.4
50°-60°	293.5	15.0
60°-70°	232.1	11.9
70°-80°	146.9	7.5
80°-90°	63.1	3.2
90°-100°	27.8	1.4
100°-110°	24.9	1.3
110°-120°	21.0	1.1
120°-130°	16.4	0.8
130°-140°	11.3	0.6
140°-150°	6.8	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	479.0	24.5
0°-40°	784.9	40.2
0°-60°	1398.0	71.6
0°-90°	1840.2	94.2
90°-120°	73.7	3.8
90°-150°	108.2	5.5
90°-180°	113.0	5.8
0°-180°	1953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	617	615	609	614	612	59
15°	592	592	589	596	594	167
25°	545	547	548	555	554	251
35°	477	483	489	497	498	298
45°	396	405	416	424	426	306
55°	305	318	331	341	344	273
65°	210	222	237	248	252	207
75°	111	124	142	154	160	117
85°	27	42	60	72	77	30
90°	2	15	30	42	47	2
95°	0	13	28	39	43	0
105°	0	12	26	36	40	0
115°	0	10	24	33	36	0
125°	1	9	20	28	32	1
135°	1	7	16	22	25	1
145°	1	5	11	17	19	0
155°	1	4	7	11	13	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°	614.6	614.6	614.6	614.6	614.6
2.5°	619.1	617.0	610.1	614.9	612.5
5°	617.0	615.3	608.7	613.9	611.8
7.5°	613.2	611.8	605.9	611.5	609.4
10°	608.0	607.0	601.8	607.3	605.9
12.5°	601.4	601.1	595.9	602.1	601.1
15°	592.4	592.4	589.3	595.6	594.5
17.5°	582.8	583.1	580.7	587.3	586.6
20°	571.0	572.7	571.0	577.9	577.2
22.5°	558.2	560.6	559.9	566.8	567.2
25°	544.7	547.1	547.8	555.1	554.0
27.5°	529.8	533.6	535.0	541.6	541.3
30°	512.5	517.7	520.8	526.4	528.1
32.5°	494.9	501.1	504.9	512.5	514.6
35°	477.3	482.8	489.0	496.6	498.4
37.5°	457.9	464.1	472.4	479.7	481.8
40°	438.5	445.5	453.4	461.4	464.5
42.5°	418.5	425.7	434.4	443.7	446.8
45°	395.7	405.3	415.7	423.7	426.4
47.5°	373.9	384.6	395.7	404.3	407.4
50°	351.7	363.1	374.9	382.9	387.7
52.5°	328.6	341.0	352.8	362.8	365.9
55°	305.0	317.5	330.6	341.4	343.8
57.5°	282.2	294.3	307.5	317.5	322.3
60°	257.3	270.5	284.6	294.7	299.9
62.5°	233.1	245.9	261.1	271.8	276.0
65°	209.9	221.7	237.3	248.3	252.1
67.5°	184.3	197.8	212.7	225.5	230.3
70°	159.1	171.9	188.8	200.9	205.8
72.5°	135.6	148.0	165.0	177.1	181.6
75°	110.7	123.8	141.8	153.9	159.8
77.5°	86.8	101.3	118.6	131.8	138.3
80°	64.7	77.5	96.1	110.7	116.6
82.5°	43.9	57.8	77.1	90.6	97.2
85°	27.0	41.5	59.5	72.3	76.8
87.5°	12.8	26.6	43.2	55.7	61.2
90°	1.7	14.9	30.4	42.5	47.0
92.5°	0.3	12.8	28.0	39.4	43.6
95°	0.3	12.8	27.7	38.7	42.9
97.5°	0.3	12.5	27.3	38.4	42.2
100°	0.3	12.1	27.0	37.7	41.8
102.5°	0.3	12.1	26.3	37.0	40.8
105°	0.3	11.8	25.9	36.3	40.1
107.5°	0.3	11.4	25.2	35.6	39.4
110°	0.3	10.7	24.9	34.6	38.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	10.4	24.2	33.9	37.4
115°	0.3	10.0	23.5	32.9	36.3
117.5°	0.3	9.7	22.5	31.8	35.3
120°	0.7	9.7	21.8	30.8	33.9
122.5°	0.7	9.3	20.8	29.4	32.5
125°	0.7	9.0	19.7	28.4	31.5
127.5°	0.7	8.6	18.7	27.0	29.7
130°	0.7	8.0	18.0	25.6	28.4
132.5°	0.7	7.6	16.9	23.9	26.6
135°	0.7	6.9	15.9	22.5	25.2
137.5°	0.7	6.6	14.9	21.1	23.5
140°	0.7	6.2	13.5	19.7	22.1
142.5°	0.7	5.5	12.5	18.3	20.4
145°	0.7	5.2	11.1	16.9	18.7
147.5°	0.7	4.5	10.0	15.6	17.3
150°	0.7	4.2	9.0	14.2	15.9
152.5°	0.7	3.8	8.0	12.5	14.2
155°	0.7	3.5	7.3	10.7	12.8
157.5°	0.7	3.1	6.2	9.3	11.4
160°	1.0	2.8	5.5	8.0	9.7
162.5°	1.0	2.4	4.5	6.6	8.6
165°	1.0	2.4	3.8	5.2	7.3
167.5°	1.0	2.1	3.1	4.2	5.9
170°	1.0	1.7	2.8	3.1	4.5
172.5°	1.0	1.4	2.1	2.1	2.4
175°	1.0	1.4	1.7	1.7	1.0
177.5°	1.0	1.0	1.0	1.0	0.7
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)