

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: P567110

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LW-UNV-CC93-CD-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

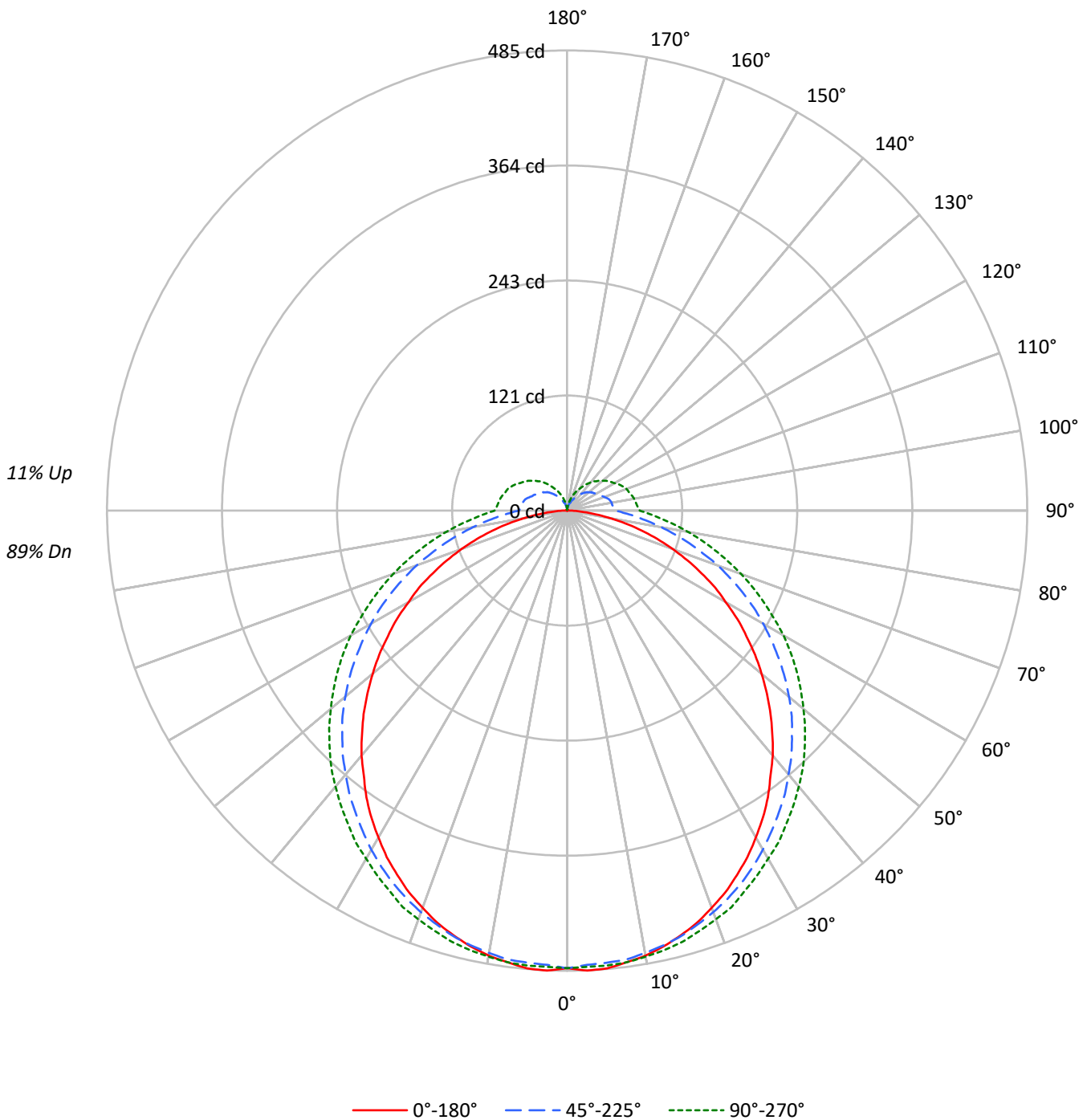
Lumens per Lamp: N/A
Luminaire Lumens: 1717.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5191	5191	5191
5°	5214	4951	4914
10°	5168	4754	4668
15°	5107	4563	4447
20°	5027	4365	4226
25°	4935	4175	4009
30°	4828	3979	3802
35°	4710	3782	3608
40°	4577	3591	3423
45°	4432	3399	3233
50°	4268	3201	3035
55°	4086	2981	2840
60°	3873	2752	2633
65°	3650	2504	2397
70°	3341	2240	2166
75°	2933	1932	1921
80°	2291	1620	1676
85°	1497	1333	1424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	2.7
10°-20°	131.7	7.7
20°-30°	200.2	11.7
30°-40°	243.0	14.2
40°-50°	256.8	15.0
50°-60°	240.3	14.0
60°-70°	197.2	11.5
70°-80°	135.6	7.9
80°-90°	74.3	4.3
90°-100°	47.8	2.8
100°-110°	42.9	2.5
110°-120°	35.5	2.1
120°-130°	27.3	1.6
130°-140°	19.2	1.1
140°-150°	11.6	0.7
150°-160°	5.5	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	377.7	22.0
0°-40°	620.7	36.2
0°-60°	1117.9	65.1
0°-90°	1525.0	88.8
90°-120°	126.3	7.4
90°-150°	184.4	10.7
90°-180°	192.0	11.2
0°-180°	1717.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	482	482	482	482	482	
5°	484	483	478	482	481	46
15°	463	465	464	470	470	131
25°	424	429	434	442	442	195
35°	369	378	389	400	403	230
45°	303	317	335	350	354	234
55°	231	250	272	289	295	206
65°	156	177	204	223	229	155
75°	82	103	133	154	161	86
85°	18	43	73	92	99	21
90°	0	24	51	70	77	1
95°	0	23	49	67	74	0
105°	0	19	46	63	69	1
115°	1	17	39	56	63	1
125°	1	14	33	48	54	1
135°	1	11	27	39	44	1
145°	1	8	19	30	33	1
155°	1	5	12	19	22	0
165°	1	3	6	9	11	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°	482.3	482.3	482.3	482.3	482.3
2.5°	485.3	484.3	479.3	483.3	481.3
5°	484.3	483.3	478.3	482.3	481.3
7.5°	480.3	480.3	477.3	481.3	480.3
10°	476.3	476.3	473.4	478.3	477.3
12.5°	470.4	471.4	469.4	475.3	474.4
15°	463.4	465.4	464.4	470.4	470.4
17.5°	455.5	457.4	457.4	464.4	464.4
20°	445.5	448.5	450.5	458.4	458.4
22.5°	435.6	439.5	442.5	449.5	452.5
25°	423.6	428.6	433.6	442.5	442.5
27.5°	411.7	417.7	423.6	432.6	433.6
30°	397.8	404.7	412.7	421.6	423.6
32.5°	383.9	392.8	400.8	411.7	414.7
35°	368.9	377.9	388.8	399.8	402.8
37.5°	352.0	363.0	376.9	388.8	391.8
40°	337.1	349.1	363.0	376.9	379.9
42.5°	320.2	333.1	350.0	363.0	367.9
45°	303.3	317.2	335.1	350.0	354.0
47.5°	285.4	301.3	321.2	335.1	340.1
50°	267.5	284.4	305.3	321.2	325.2
52.5°	249.6	267.5	289.4	305.3	310.3
55°	230.7	249.6	272.5	289.4	295.4
57.5°	212.8	231.7	255.6	273.5	279.4
60°	192.9	214.8	238.7	256.6	263.5
62.5°	176.0	195.9	221.8	239.7	245.6
65°	156.1	177.0	203.9	222.8	228.7
67.5°	137.2	159.1	186.0	205.9	211.8
70°	118.3	140.2	169.1	188.0	194.9
72.5°	99.4	122.3	150.2	171.0	178.0
75°	81.5	103.4	133.3	154.1	161.1
77.5°	62.7	86.5	116.4	137.2	145.2
80°	45.7	70.6	100.4	121.3	129.3
82.5°	30.8	55.7	85.5	106.4	114.4
85°	17.9	42.8	72.6	92.5	99.4
87.5°	9.0	32.8	60.7	80.6	87.5
90°	0.0	23.9	50.7	69.6	76.6
92.5°	0.0	22.9	49.7	67.6	74.6
95°	0.0	22.9	48.7	66.6	73.6
97.5°	0.0	21.9	47.7	66.6	72.6
100°	0.0	20.9	47.7	65.6	71.6
102.5°	0.0	19.9	46.7	64.6	70.6
105°	0.0	18.9	45.7	62.7	68.6
107.5°	1.0	18.9	43.8	61.7	67.6
110°	1.0	17.9	41.8	60.7	66.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	16.9	39.8	58.7	64.6
115°	1.0	16.9	38.8	55.7	62.7
117.5°	1.0	15.9	36.8	53.7	60.7
120°	1.0	15.9	35.8	51.7	57.7
122.5°	1.0	14.9	33.8	49.7	55.7
125°	1.0	13.9	32.8	47.7	53.7
127.5°	1.0	12.9	31.8	45.7	51.7
130°	1.0	11.9	29.8	43.8	48.7
132.5°	1.0	11.9	28.8	40.8	46.7
135°	1.0	10.9	26.9	38.8	43.8
137.5°	1.0	9.9	24.9	36.8	41.8
140°	1.0	9.0	22.9	34.8	38.8
142.5°	1.0	9.0	20.9	31.8	35.8
145°	1.0	8.0	18.9	29.8	32.8
147.5°	1.0	7.0	16.9	26.9	29.8
150°	1.0	7.0	14.9	23.9	26.9
152.5°	1.0	6.0	12.9	21.9	24.9
155°	1.0	5.0	11.9	18.9	21.9
157.5°	1.0	5.0	9.9	15.9	18.9
160°	1.0	4.0	9.0	12.9	15.9
162.5°	1.0	4.0	8.0	10.9	13.9
165°	1.0	3.0	6.0	9.0	10.9
167.5°	1.0	3.0	5.0	7.0	9.0
170°	1.0	2.0	4.0	5.0	7.0
172.5°	1.0	2.0	3.0	3.0	3.0
175°	1.0	1.0	2.0	2.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)