

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: P567104

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567104
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-CC83-CD-4000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

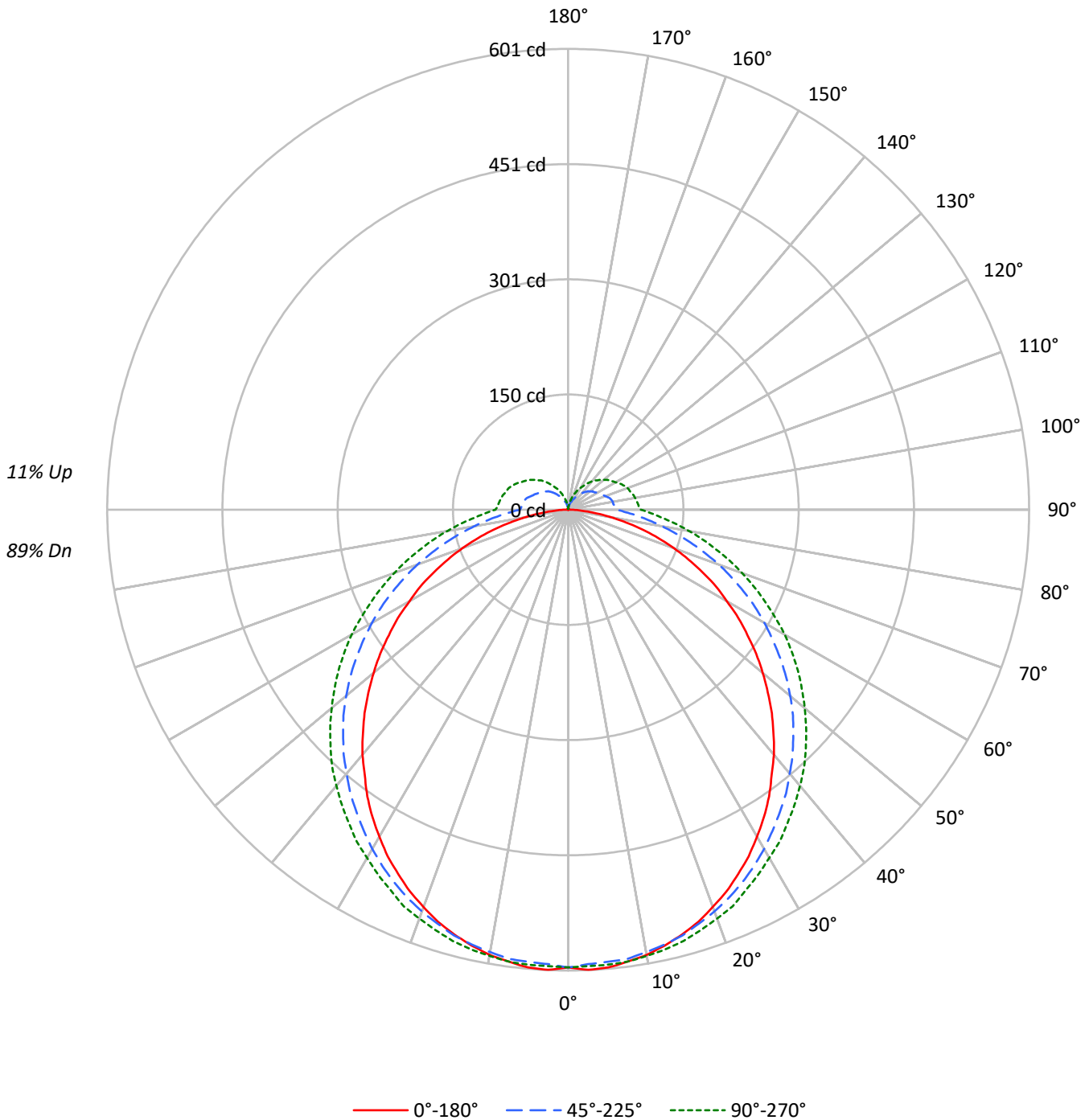
Lumens per Lamp: N/A
Luminaire Lumens: 2125.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 16.137
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	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	77	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°	6425	6425	6425
5°	6453	6128	6082
10°	6396	5883	5778
15°	6320	5647	5504
20°	6222	5401	5230
25°	6108	5166	4962
30°	5975	4925	4705
35°	5830	4681	4466
40°	5664	4444	4236
45°	5486	4207	4001
50°	5282	3962	3756
55°	5057	3689	3514
60°	4795	3405	3259
65°	4517	3098	2968
70°	4137	2771	2681
75°	3632	2390	2377
80°	2838	2006	2074
85°	1857	1649	1764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	2.7
10°-20°	163.0	7.7
20°-30°	247.8	11.7
30°-40°	300.8	14.2
40°-50°	317.8	15.0
50°-60°	297.4	14.0
60°-70°	244.1	11.5
70°-80°	167.9	7.9
80°-90°	91.9	4.3
90°-100°	59.2	2.8
100°-110°	53.1	2.5
110°-120°	44.0	2.1
120°-130°	33.9	1.6
130°-140°	23.8	1.1
140°-150°	14.3	0.7
150°-160°	6.9	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	467.5	22.0
0°-40°	768.2	36.2
0°-60°	1383.5	65.1
0°-90°	1887.4	88.8
90°-120°	156.3	7.4
90°-150°	228.2	10.7
90°-180°	238.0	11.2
0°-180°	2125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	599	598	592	597	596	57
15°	574	576	575	582	582	162
25°	524	530	537	548	548	242
35°	457	468	481	495	498	285
45°	375	393	415	433	438	289
55°	286	309	337	358	366	256
65°	193	219	252	276	283	191
75°	101	128	165	191	199	106
85°	22	53	90	114	123	26
90°	0	30	63	86	95	2
95°	0	28	60	82	91	0
105°	0	23	57	78	85	1
115°	1	21	48	69	78	1
125°	1	17	41	59	66	1
135°	1	14	33	48	54	1
145°	1	10	23	37	41	1
155°	1	6	15	23	27	1
165°	1	4	7	11	14	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°	596.9	596.9	596.9	596.9	596.9
2.5°	600.6	599.4	593.2	598.1	595.7
5°	599.4	598.1	592.0	596.9	595.7
7.5°	594.5	594.5	590.8	595.7	594.5
10°	589.5	589.5	585.8	592.0	590.8
12.5°	582.1	583.4	580.9	588.3	587.1
15°	573.5	576.0	574.8	582.1	582.1
17.5°	563.7	566.1	566.1	574.8	574.8
20°	551.4	555.1	557.5	567.4	567.4
22.5°	539.1	544.0	547.7	556.3	560.0
25°	524.3	530.5	536.6	547.7	547.7
27.5°	509.5	516.9	524.3	535.4	536.6
30°	492.3	500.9	510.8	521.8	524.3
32.5°	475.1	486.1	496.0	509.5	513.2
35°	456.6	467.7	481.2	494.8	498.5
37.5°	435.7	449.2	466.5	481.2	484.9
40°	417.2	432.0	449.2	466.5	470.1
42.5°	396.3	412.3	433.2	449.2	455.4
45°	375.4	392.6	414.8	433.2	438.1
47.5°	353.2	372.9	397.5	414.8	420.9
50°	331.1	352.0	377.8	397.5	402.5
52.5°	308.9	331.1	358.2	377.8	384.0
55°	285.5	308.9	337.2	358.2	365.5
57.5°	263.4	286.8	316.3	338.5	345.8
60°	238.8	265.8	295.4	317.5	326.2
62.5°	217.8	242.5	274.5	296.6	304.0
65°	193.2	219.1	252.3	275.7	283.1
67.5°	169.8	196.9	230.2	254.8	262.2
70°	146.5	173.5	209.2	232.6	241.2
72.5°	123.1	151.4	185.8	211.7	220.3
75°	100.9	128.0	164.9	190.8	199.4
77.5°	77.5	107.1	144.0	169.8	179.7
80°	56.6	87.4	124.3	150.2	160.0
82.5°	38.2	68.9	105.8	131.7	141.5
85°	22.2	52.9	89.8	114.5	123.1
87.5°	11.1	40.6	75.1	99.7	108.3
90°	0.0	29.5	62.8	86.2	94.8
92.5°	0.0	28.3	61.5	83.7	92.3
95°	0.0	28.3	60.3	82.5	91.1
97.5°	0.0	27.1	59.1	82.5	89.8
100°	0.0	25.8	59.1	81.2	88.6
102.5°	0.0	24.6	57.8	80.0	87.4
105°	0.0	23.4	56.6	77.5	84.9
107.5°	1.2	23.4	54.2	76.3	83.7
110°	1.2	22.2	51.7	75.1	82.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.9	49.2	72.6	80.0
115°	1.2	20.9	48.0	68.9	77.5
117.5°	1.2	19.7	45.5	66.5	75.1
120°	1.2	19.7	44.3	64.0	71.4
122.5°	1.2	18.5	41.8	61.5	68.9
125°	1.2	17.2	40.6	59.1	66.5
127.5°	1.2	16.0	39.4	56.6	64.0
130°	1.2	14.8	36.9	54.2	60.3
132.5°	1.2	14.8	35.7	50.5	57.8
135°	1.2	13.5	33.2	48.0	54.2
137.5°	1.2	12.3	30.8	45.5	51.7
140°	1.2	11.1	28.3	43.1	48.0
142.5°	1.2	11.1	25.8	39.4	44.3
145°	1.2	9.8	23.4	36.9	40.6
147.5°	1.2	8.6	20.9	33.2	36.9
150°	1.2	8.6	18.5	29.5	33.2
152.5°	1.2	7.4	16.0	27.1	30.8
155°	1.2	6.2	14.8	23.4	27.1
157.5°	1.2	6.2	12.3	19.7	23.4
160°	1.2	4.9	11.1	16.0	19.7
162.5°	1.2	4.9	9.8	13.5	17.2
165°	1.2	3.7	7.4	11.1	13.5
167.5°	1.2	3.7	6.2	8.6	11.1
170°	1.2	2.5	4.9	6.2	8.6
172.5°	1.2	2.5	3.7	3.7	3.7
175°	1.2	1.2	2.5	2.5	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)