

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: P567116

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567116
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-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

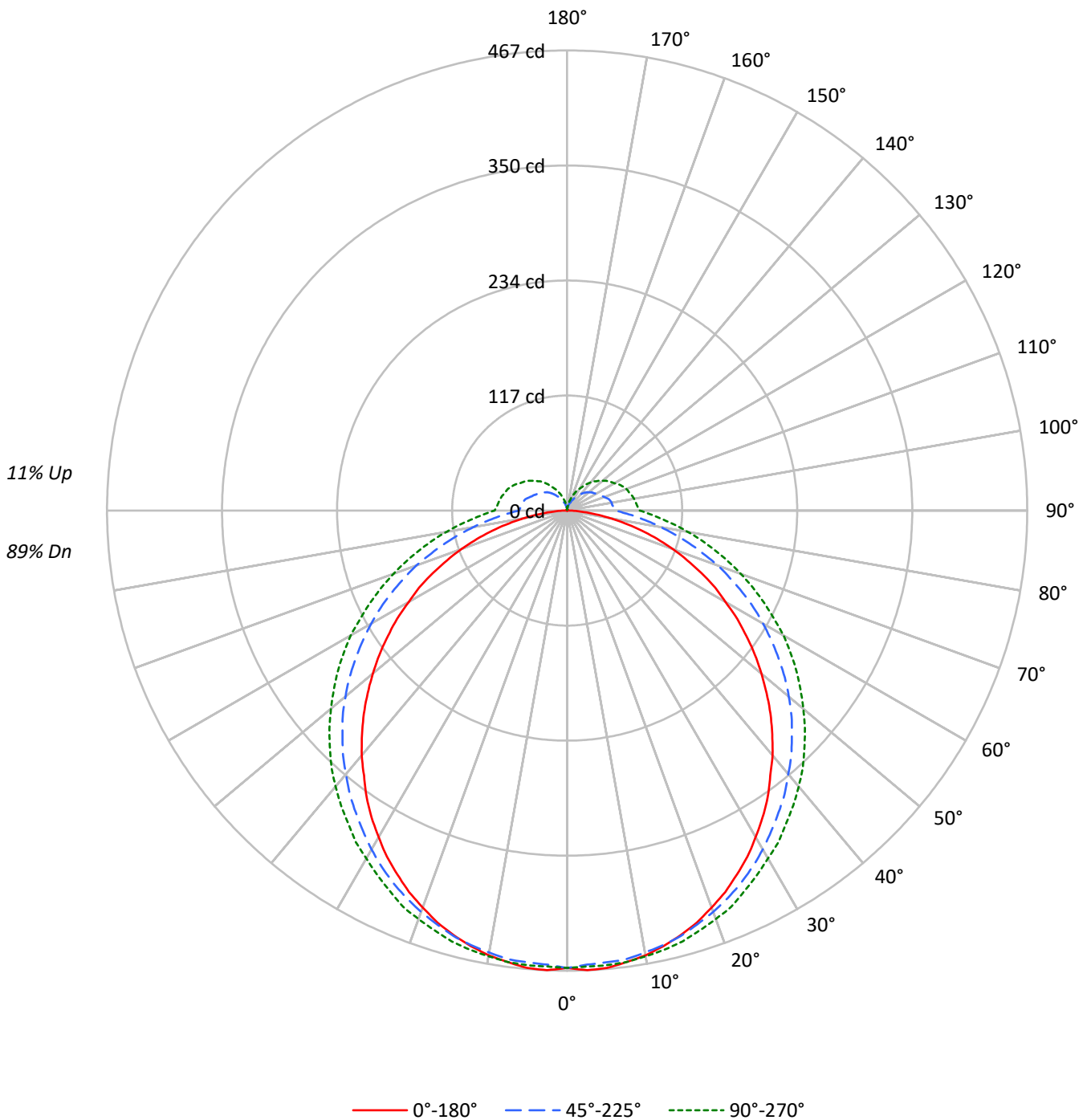
Lumens per Lamp: N/A
Luminaire Lumens: 1652.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 16.863
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°	4996	4996	4996
5°	5017	4764	4728
10°	4973	4574	4492
15°	4914	4390	4279
20°	4836	4199	4066
25°	4749	4017	3858
30°	4645	3828	3658
35°	4533	3639	3471
40°	4404	3455	3293
45°	4264	3270	3111
50°	4106	3080	2920
55°	3932	2869	2732
60°	3727	2647	2534
65°	3512	2408	2307
70°	3216	2155	2084
75°	2825	1858	1848
80°	2206	1559	1613
85°	1439	1282	1371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	2.7
10°-20°	126.7	7.7
20°-30°	192.6	11.7
30°-40°	233.8	14.2
40°-50°	247.1	15.0
50°-60°	231.2	14.0
60°-70°	189.7	11.5
70°-80°	130.5	7.9
80°-90°	71.5	4.3
90°-100°	46.0	2.8
100°-110°	41.3	2.5
110°-120°	34.2	2.1
120°-130°	26.3	1.6
130°-140°	18.5	1.1
140°-150°	11.1	0.7
150°-160°	5.3	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	363.4	22.0
0°-40°	597.2	36.2
0°-60°	1075.6	65.1
0°-90°	1467.2	88.8
90°-120°	121.5	7.4
90°-150°	177.5	10.7
90°-180°	185.0	11.2
0°-180°	1652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	466	465	460	464	463	44
15°	446	448	447	453	453	126
25°	408	412	417	426	426	188
35°	355	364	374	385	388	222
45°	292	305	322	337	341	225
55°	222	240	262	278	284	199
65°	150	170	196	214	220	149
75°	78	100	128	148	155	83
85°	17	41	70	89	96	20
90°	0	23	49	67	74	1
95°	0	22	47	64	71	0
105°	0	18	44	60	66	1
115°	1	16	37	54	60	1
125°	1	13	32	46	52	1
135°	1	10	26	37	42	1
145°	1	8	18	29	32	1
155°	1	5	12	18	21	0
165°	1	3	6	9	10	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°	464.1	464.1	464.1	464.1	464.1
2.5°	466.9	466.0	461.2	465.0	463.1
5°	466.0	465.0	460.2	464.1	463.1
7.5°	462.1	462.1	459.3	463.1	462.1
10°	458.3	458.3	455.4	460.2	459.3
12.5°	452.6	453.5	451.6	457.4	456.4
15°	445.9	447.8	446.8	452.6	452.6
17.5°	438.2	440.1	440.1	446.8	446.8
20°	428.6	431.5	433.4	441.1	441.1
22.5°	419.1	422.9	425.8	432.5	435.3
25°	407.6	412.4	417.2	425.8	425.8
27.5°	396.1	401.9	407.6	416.2	417.2
30°	382.7	389.4	397.1	405.7	407.6
32.5°	369.3	377.9	385.6	396.1	399.0
35°	355.0	363.6	374.1	384.6	387.5
37.5°	338.7	349.2	362.6	374.1	377.0
40°	324.4	335.8	349.2	362.6	365.5
42.5°	308.1	320.5	336.8	349.2	354.0
45°	291.8	305.2	322.4	336.8	340.6
47.5°	274.6	289.9	309.0	322.4	327.2
50°	257.4	273.6	293.7	309.0	312.9
52.5°	240.2	257.4	278.4	293.7	298.5
55°	222.0	240.2	262.2	278.4	284.2
57.5°	204.8	222.9	245.9	263.1	268.9
60°	185.6	206.7	229.6	246.9	253.6
62.5°	169.4	188.5	213.4	230.6	236.3
65°	150.2	170.3	196.1	214.3	220.1
67.5°	132.0	153.1	178.9	198.1	203.8
70°	113.9	134.9	162.7	180.8	187.5
72.5°	95.7	117.7	144.5	164.6	171.3
75°	78.5	99.5	128.2	148.3	155.0
77.5°	60.3	83.2	111.9	132.0	139.7
80°	44.0	67.9	96.6	116.7	124.4
82.5°	29.7	53.6	82.3	102.4	110.0
85°	17.2	41.1	69.8	89.0	95.7
87.5°	8.6	31.6	58.4	77.5	84.2
90°	0.0	23.0	48.8	67.0	73.7
92.5°	0.0	22.0	47.8	65.1	71.8
95°	0.0	22.0	46.9	64.1	70.8
97.5°	0.0	21.0	45.9	64.1	69.8
100°	0.0	20.1	45.9	63.1	68.9
102.5°	0.0	19.1	45.0	62.2	67.9
105°	0.0	18.2	44.0	60.3	66.0
107.5°	1.0	18.2	42.1	59.3	65.1
110°	1.0	17.2	40.2	58.4	64.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	16.3	38.3	56.5	62.2
115°	1.0	16.3	37.3	53.6	60.3
117.5°	1.0	15.3	35.4	51.7	58.4
120°	1.0	15.3	34.4	49.8	55.5
122.5°	1.0	14.4	32.5	47.8	53.6
125°	1.0	13.4	31.6	45.9	51.7
127.5°	1.0	12.4	30.6	44.0	49.8
130°	1.0	11.5	28.7	42.1	46.9
132.5°	1.0	11.5	27.7	39.2	45.0
135°	1.0	10.5	25.8	37.3	42.1
137.5°	1.0	9.6	23.9	35.4	40.2
140°	1.0	8.6	22.0	33.5	37.3
142.5°	1.0	8.6	20.1	30.6	34.4
145°	1.0	7.7	18.2	28.7	31.6
147.5°	1.0	6.7	16.3	25.8	28.7
150°	1.0	6.7	14.4	23.0	25.8
152.5°	1.0	5.7	12.4	21.0	23.9
155°	1.0	4.8	11.5	18.2	21.0
157.5°	1.0	4.8	9.6	15.3	18.2
160°	1.0	3.8	8.6	12.4	15.3
162.5°	1.0	3.8	7.7	10.5	13.4
165°	1.0	2.9	5.7	8.6	10.5
167.5°	1.0	2.9	4.8	6.7	8.6
170°	1.0	1.9	3.8	4.8	6.7
172.5°	1.0	1.9	2.9	2.9	2.9
175°	1.0	1.0	1.9	1.9	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)