

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: P566115

Luminaire Tested: **4SNX-20SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566115
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-20SL-LW-UNV-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

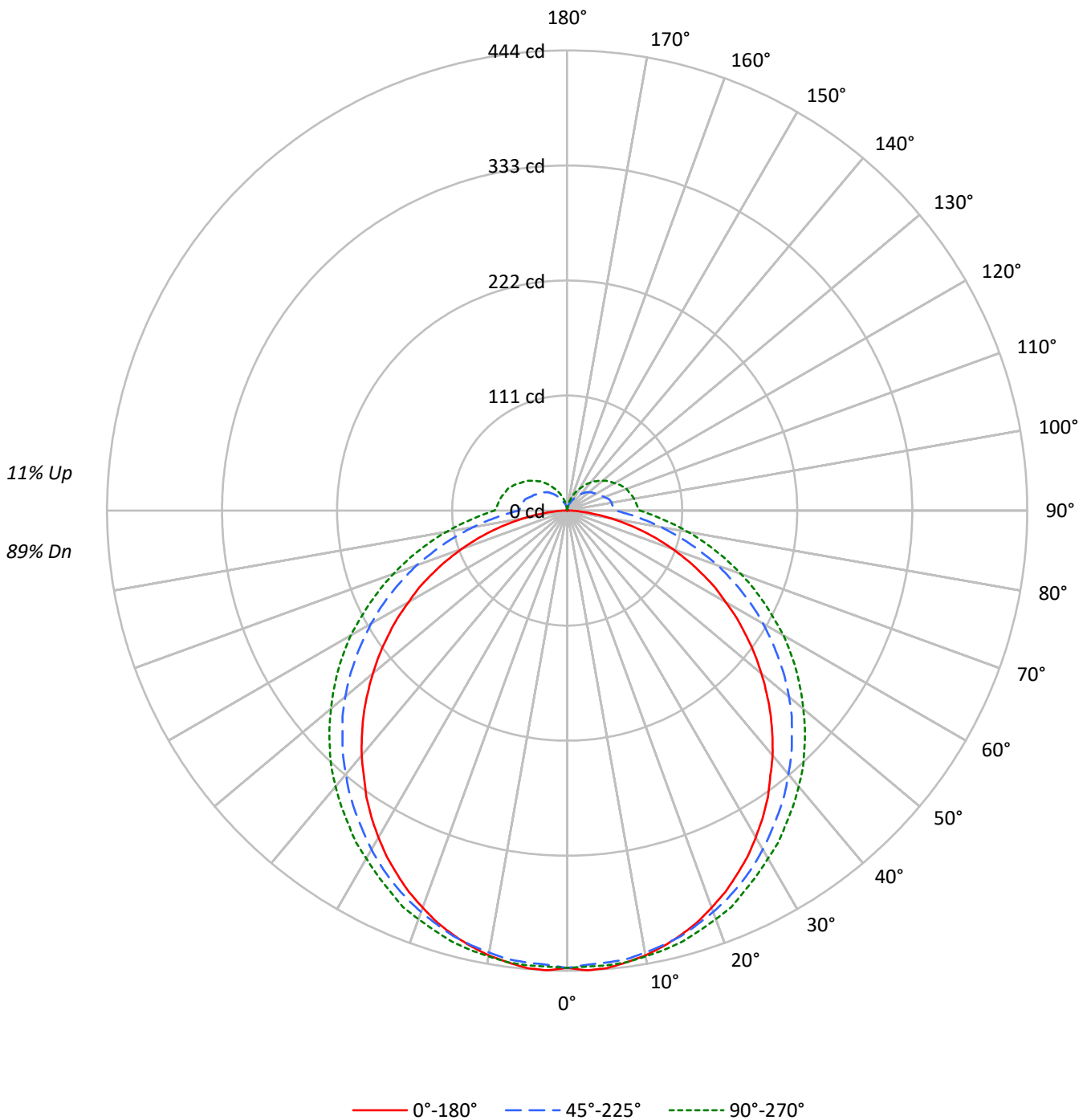
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1571.0 lumens
Efficiency: N/A
Efficacy: 129.8 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): 12.1
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	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°	4750	4750	4750
5°	4770	4531	4496
10°	4729	4350	4271
15°	4673	4175	4069
20°	4599	3994	3867
25°	4516	3819	3668
30°	4418	3640	3479
35°	4310	3461	3301
40°	4188	3286	3132
45°	4055	3110	2958
50°	3905	2929	2776
55°	3739	2727	2598
60°	3544	2518	2409
65°	3341	2290	2194
70°	3058	2049	1982
75°	2685	1767	1757
80°	2101	1483	1534
85°	1372	1219	1304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	2.7
10°-20°	120.5	7.7
20°-30°	183.2	11.7
30°-40°	222.4	14.2
40°-50°	235.0	15.0
50°-60°	219.9	14.0
60°-70°	180.4	11.5
70°-80°	124.1	7.9
80°-90°	68.0	4.3
90°-100°	43.8	2.8
100°-110°	39.3	2.5
110°-120°	32.5	2.1
120°-130°	25.0	1.6
130°-140°	17.6	1.1
140°-150°	10.6	0.7
150°-160°	5.1	0.3
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	345.6	22.0
0°-40°	568.0	36.2
0°-60°	1022.8	65.1
0°-90°	1395.3	88.8
90°-120°	115.6	7.4
90°-150°	168.8	10.7
90°-180°	176.0	11.2
0°-180°	1571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	443	442	438	441	440	42
15°	424	426	425	430	430	120
25°	388	392	397	405	405	179
35°	338	346	356	366	368	211
45°	278	290	307	320	324	214
55°	211	228	249	265	270	189
65°	143	162	186	204	209	142
75°	75	95	122	141	147	79
85°	16	39	66	85	91	19
90°	0	22	46	64	70	1
95°	0	21	45	61	67	0
105°	0	17	42	57	63	1
115°	1	16	36	51	57	1
125°	1	13	30	44	49	1
135°	1	10	25	36	40	1
145°	1	7	17	27	30	1
155°	1	4	11	17	20	0
165°	1	3	6	8	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°	441.3	441.3	441.3	441.3	441.3
2.5°	444.0	443.1	438.6	442.2	440.4
5°	443.1	442.2	437.7	441.3	440.4
7.5°	439.5	439.5	436.7	440.4	439.5
10°	435.8	435.8	433.1	437.7	436.7
12.5°	430.4	431.3	429.5	434.9	434.0
15°	424.0	425.8	424.9	430.4	430.4
17.5°	416.7	418.6	418.6	424.9	424.9
20°	407.6	410.4	412.2	419.5	419.5
22.5°	398.5	402.2	404.9	411.3	414.0
25°	387.6	392.2	396.7	404.9	404.9
27.5°	376.7	382.2	387.6	395.8	396.7
30°	364.0	370.3	377.6	385.8	387.6
32.5°	351.2	359.4	366.7	376.7	379.4
35°	337.6	345.8	355.8	365.8	368.5
37.5°	322.1	332.1	344.8	355.8	358.5
40°	308.5	319.4	332.1	344.8	347.6
42.5°	293.0	304.8	320.3	332.1	336.7
45°	277.5	290.3	306.6	320.3	323.9
47.5°	261.1	275.7	293.9	306.6	311.2
50°	244.8	260.2	279.3	293.9	297.5
52.5°	228.4	244.8	264.8	279.3	283.9
55°	211.1	228.4	249.3	264.8	270.2
57.5°	194.7	212.0	233.8	250.2	255.7
60°	176.5	196.5	218.4	234.8	241.1
62.5°	161.1	179.2	202.9	219.3	224.7
65°	142.9	162.0	186.5	203.8	209.3
67.5°	125.6	145.6	170.1	188.3	193.8
70°	108.3	128.3	154.7	172.0	178.3
72.5°	91.0	111.9	137.4	156.5	162.9
75°	74.6	94.6	121.9	141.0	147.4
77.5°	57.3	79.2	106.5	125.6	132.8
80°	41.9	64.6	91.9	111.0	118.3
82.5°	28.2	51.0	78.3	97.4	104.6
85°	16.4	39.1	66.4	84.6	91.0
87.5°	8.2	30.0	55.5	73.7	80.1
90°	0.0	21.8	46.4	63.7	70.1
92.5°	0.0	20.9	45.5	61.9	68.2
95°	0.0	20.9	44.6	61.0	67.3
97.5°	0.0	20.0	43.7	61.0	66.4
100°	0.0	19.1	43.7	60.1	65.5
102.5°	0.0	18.2	42.8	59.1	64.6
105°	0.0	17.3	41.9	57.3	62.8
107.5°	0.9	17.3	40.0	56.4	61.9
110°	0.9	16.4	38.2	55.5	61.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.5	36.4	53.7	59.1
115°	0.9	15.5	35.5	51.0	57.3
117.5°	0.9	14.6	33.7	49.1	55.5
120°	0.9	14.6	32.8	47.3	52.8
122.5°	0.9	13.6	30.9	45.5	51.0
125°	0.9	12.7	30.0	43.7	49.1
127.5°	0.9	11.8	29.1	41.9	47.3
130°	0.9	10.9	27.3	40.0	44.6
132.5°	0.9	10.9	26.4	37.3	42.8
135°	0.9	10.0	24.6	35.5	40.0
137.5°	0.9	9.1	22.7	33.7	38.2
140°	0.9	8.2	20.9	31.8	35.5
142.5°	0.9	8.2	19.1	29.1	32.8
145°	0.9	7.3	17.3	27.3	30.0
147.5°	0.9	6.4	15.5	24.6	27.3
150°	0.9	6.4	13.6	21.8	24.6
152.5°	0.9	5.5	11.8	20.0	22.7
155°	0.9	4.5	10.9	17.3	20.0
157.5°	0.9	4.5	9.1	14.6	17.3
160°	0.9	3.6	8.2	11.8	14.6
162.5°	0.9	3.6	7.3	10.0	12.7
165°	0.9	2.7	5.5	8.2	10.0
167.5°	0.9	2.7	4.5	6.4	8.2
170°	0.9	1.8	3.6	4.5	6.4
172.5°	0.9	1.8	2.7	2.7	2.7
175°	0.9	0.9	1.8	1.8	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)