

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: P566091

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566091
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-20SL-FDL-UNV-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

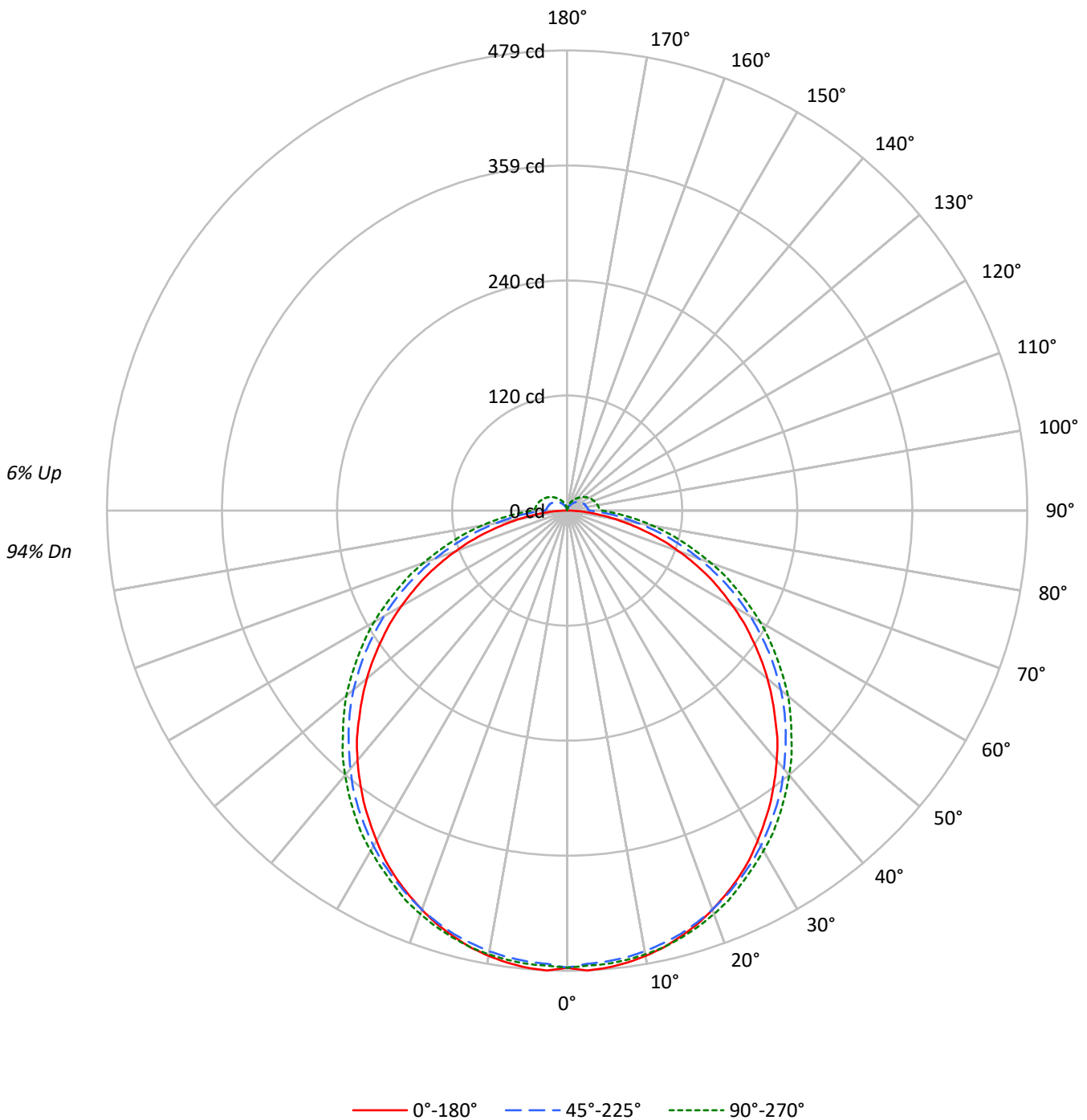
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1512.0 lumens
Efficiency: N/A
Efficacy: 125.0 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): 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	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°	5121	5121	5121
5°	5157	5036	5045
10°	5135	4982	4981
15°	5097	4920	4910
20°	5045	4843	4826
25°	4984	4759	4727
30°	4902	4674	4636
35°	4820	4574	4540
40°	4729	4463	4433
45°	4615	4353	4307
50°	4504	4229	4194
55°	4368	4075	4034
60°	4212	3899	3877
65°	4048	3688	3663
70°	3769	3423	3439
75°	3431	3112	3172
80°	2932	2697	2874
85°	2307	2342	2525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	3.0
10°-20°	129.5	8.6
20°-30°	196.2	13.0
30°-40°	236.9	15.7
40°-50°	247.4	16.4
50°-60°	227.3	15.0
60°-70°	179.7	11.9
70°-80°	113.7	7.5
80°-90°	48.9	3.2
90°-100°	21.5	1.4
100°-110°	19.3	1.3
110°-120°	16.3	1.1
120°-130°	12.7	0.8
130°-140°	8.8	0.6
140°-150°	5.3	0.3
150°-160°	2.6	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	370.8	24.5
0°-40°	607.7	40.2
0°-60°	1082.3	71.6
0°-90°	1424.7	94.2
90°-120°	57.0	3.8
90°-150°	83.8	5.5
90°-180°	87.0	5.8
0°-180°	1512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	478	476	471	475	474	45
15°	459	459	456	461	460	129
25°	422	424	424	430	429	194
35°	370	374	379	384	386	231
45°	306	314	322	328	330	237
55°	236	246	256	264	266	211
65°	162	172	184	192	195	160
75°	86	96	110	119	124	91
85°	21	32	46	56	59	23
90°	1	12	24	33	36	2
95°	0	10	21	30	33	0
105°	0	9	20	28	31	0
115°	0	8	18	25	28	0
125°	0	7	15	22	24	0
135°	0	5	12	17	20	0
145°	0	4	9	13	14	0
155°	0	3	6	8	10	0
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	475.8	475.8	475.8	475.8	475.8
2.5°	479.3	477.7	472.3	476.1	474.2
5°	477.7	476.3	471.2	475.3	473.7
7.5°	474.7	473.7	469.1	473.4	471.8
10°	470.7	469.9	465.9	470.2	469.1
12.5°	465.6	465.4	461.3	466.2	465.4
15°	458.7	458.7	456.3	461.1	460.3
17.5°	451.2	451.4	449.6	454.6	454.1
20°	442.1	443.4	442.1	447.4	446.9
22.5°	432.2	434.0	433.5	438.8	439.1
25°	421.7	423.6	424.1	429.7	428.9
27.5°	410.2	413.1	414.2	419.3	419.0
30°	396.8	400.8	403.2	407.5	408.9
32.5°	383.2	388.0	390.9	396.8	398.4
35°	369.5	373.8	378.6	384.5	385.8
37.5°	354.5	359.3	365.8	371.4	373.0
40°	339.5	344.9	351.0	357.2	359.6
42.5°	324.0	329.6	336.3	343.5	345.9
45°	306.3	313.8	321.8	328.0	330.1
47.5°	289.4	297.7	306.3	313.0	315.4
50°	272.3	281.1	290.2	296.4	300.2
52.5°	254.4	264.0	273.1	280.9	283.3
55°	236.2	245.8	256.0	264.3	266.1
57.5°	218.5	227.9	238.0	245.8	249.5
60°	199.2	209.4	220.4	228.1	232.1
62.5°	180.5	190.4	202.2	210.5	213.7
65°	162.5	171.6	183.7	192.2	195.2
67.5°	142.7	153.2	164.7	174.6	178.3
70°	123.2	133.1	146.2	155.6	159.3
72.5°	105.0	114.6	127.7	137.1	140.6
75°	85.7	95.9	109.8	119.2	123.7
77.5°	67.2	78.5	91.8	102.0	107.1
80°	50.1	60.0	74.4	85.7	90.2
82.5°	34.0	44.7	59.7	70.2	75.2
85°	20.9	32.1	46.1	56.0	59.4
87.5°	9.9	20.6	33.5	43.1	47.4
90°	1.3	11.5	23.6	32.9	36.4
92.5°	0.3	9.9	21.7	30.5	33.7
95°	0.3	9.9	21.4	30.0	33.2
97.5°	0.3	9.6	21.2	29.7	32.7
100°	0.3	9.4	20.9	29.2	32.4
102.5°	0.3	9.4	20.3	28.6	31.6
105°	0.3	9.1	20.1	28.1	31.1
107.5°	0.3	8.8	19.5	27.6	30.5
110°	0.3	8.3	19.3	26.8	29.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.0	18.7	26.2	28.9
115°	0.3	7.8	18.2	25.4	28.1
117.5°	0.3	7.5	17.4	24.6	27.3
120°	0.5	7.5	16.9	23.8	26.2
122.5°	0.5	7.2	16.1	22.8	25.2
125°	0.5	7.0	15.3	22.0	24.4
127.5°	0.5	6.7	14.5	20.9	23.0
130°	0.5	6.2	13.9	19.8	22.0
132.5°	0.5	5.9	13.1	18.5	20.6
135°	0.5	5.4	12.3	17.4	19.5
137.5°	0.5	5.1	11.5	16.3	18.2
140°	0.5	4.8	10.4	15.3	17.1
142.5°	0.5	4.3	9.6	14.2	15.8
145°	0.5	4.0	8.6	13.1	14.5
147.5°	0.5	3.5	7.8	12.0	13.4
150°	0.5	3.2	7.0	11.0	12.3
152.5°	0.5	2.9	6.2	9.6	11.0
155°	0.5	2.7	5.6	8.3	9.9
157.5°	0.5	2.4	4.8	7.2	8.8
160°	0.8	2.1	4.3	6.2	7.5
162.5°	0.8	1.9	3.5	5.1	6.7
165°	0.8	1.9	2.9	4.0	5.6
167.5°	0.8	1.6	2.4	3.2	4.6
170°	0.8	1.3	2.1	2.4	3.5
172.5°	0.8	1.1	1.6	1.6	1.9
175°	0.8	1.1	1.3	1.3	0.8
177.5°	0.8	0.8	0.8	0.8	0.5
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)