

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: P566121

Luminaire Tested: **4SNX-20SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566121
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-SLW-UNV-L850-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

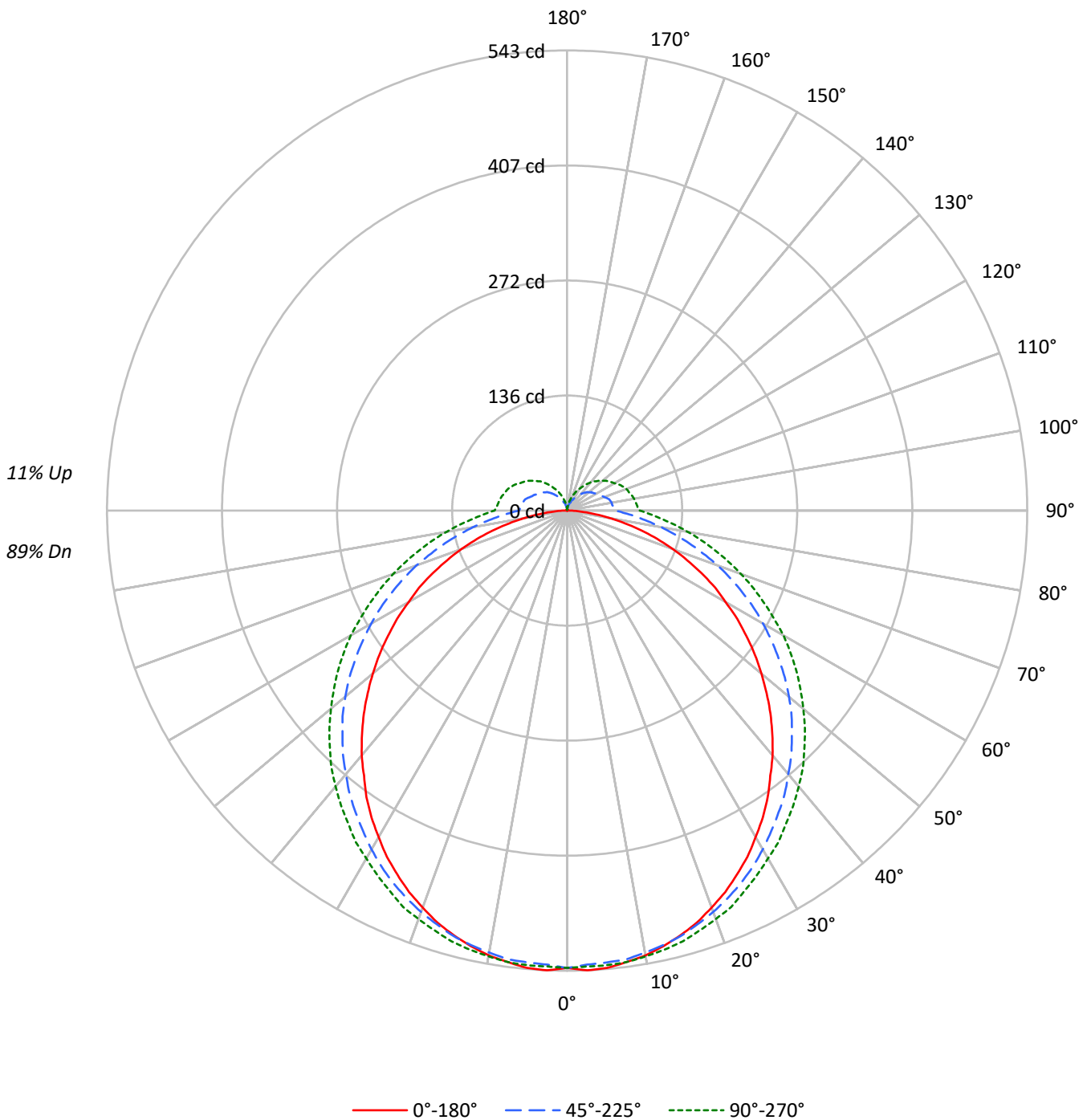
Lumens per Lamp: N/A
Luminaire Lumens: 1921.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	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°	5808	5808	5808
5°	5844	5659	5654
10°	5803	5545	5515
15°	5746	5427	5386
20°	5666	5293	5242
25°	5576	5161	5092
30°	5465	5016	4944
35°	5347	4866	4804
40°	5209	4719	4671
45°	5060	4568	4527
50°	4891	4410	4365
55°	4704	4219	4206
60°	4485	4014	4029
65°	4260	3785	3807
70°	3942	3531	3590
75°	3520	3211	3347
80°	2840	2886	3109
85°	1997	2604	2867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	2.7
10°-20°	147.3	7.7
20°-30°	224.0	11.7
30°-40°	271.9	14.2
40°-50°	287.3	15.0
50°-60°	268.9	14.0
60°-70°	220.6	11.5
70°-80°	151.7	7.9
80°-90°	83.1	4.3
90°-100°	53.5	2.8
100°-110°	48.0	2.5
110°-120°	39.7	2.1
120°-130°	30.6	1.6
130°-140°	21.5	1.1
140°-150°	13.0	0.7
150°-160°	6.2	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	422.6	22.0
0°-40°	694.5	36.2
0°-60°	1250.7	65.1
0°-90°	1706.2	88.8
90°-120°	141.3	7.4
90°-150°	206.3	10.7
90°-180°	215.0	11.2
0°-180°	1921.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	542	541	535	540	538	51
15°	518	521	520	526	526	146
25°	474	480	485	495	495	218
35°	413	423	435	447	451	258
45°	339	355	375	392	396	262
55°	258	279	305	324	330	231
65°	175	198	228	249	256	173
75°	91	116	149	172	180	96
85°	20	48	81	104	111	23
90°	0	27	57	78	86	1
95°	0	26	54	74	82	0
105°	0	21	51	70	77	1
115°	1	19	43	62	70	1
125°	1	16	37	53	60	1
135°	1	12	30	43	49	1
145°	1	9	21	33	37	1
155°	1	6	13	21	24	1
165°	1	3	7	10	12	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°	539.6	539.6	539.6	539.6	539.6
2.5°	543.0	541.8	536.3	540.7	538.5
5°	541.8	540.7	535.2	539.6	538.5
7.5°	537.4	537.4	534.1	538.5	537.4
10°	532.9	532.9	529.6	535.2	534.1
12.5°	526.3	527.4	525.1	531.8	530.7
15°	518.5	520.7	519.6	526.3	526.3
17.5°	509.6	511.8	511.8	519.6	519.6
20°	498.4	501.8	504.0	512.9	512.9
22.5°	487.3	491.8	495.1	502.9	506.2
25°	474.0	479.5	485.1	495.1	495.1
27.5°	460.6	467.3	474.0	484.0	485.1
30°	445.0	452.8	461.7	471.7	474.0
32.5°	429.5	439.5	448.4	460.6	464.0
35°	412.8	422.8	435.0	447.3	450.6
37.5°	393.9	406.1	421.7	435.0	438.4
40°	377.2	390.5	406.1	421.7	425.0
42.5°	358.3	372.7	391.6	406.1	411.7
45°	339.3	354.9	374.9	391.6	396.1
47.5°	319.3	337.1	359.4	374.9	380.5
50°	299.3	318.2	341.6	359.4	363.8
52.5°	279.3	299.3	323.8	341.6	347.1
55°	258.1	279.3	304.9	323.8	330.4
57.5°	238.1	259.2	285.9	306.0	312.6
60°	215.8	240.3	267.0	287.1	294.8
62.5°	196.9	219.2	248.1	268.1	274.8
65°	174.7	198.0	228.1	249.2	255.9
67.5°	153.5	178.0	208.1	230.3	237.0
70°	132.4	156.9	189.1	210.3	218.1
72.5°	111.3	136.9	168.0	191.4	199.2
75°	91.2	115.7	149.1	172.5	180.2
77.5°	70.1	96.8	130.2	153.5	162.4
80°	51.2	79.0	112.4	135.7	144.6
82.5°	34.5	62.3	95.7	119.0	127.9
85°	20.0	47.8	81.2	103.5	111.3
87.5°	10.0	36.7	67.9	90.1	97.9
90°	0.0	26.7	56.7	77.9	85.7
92.5°	0.0	25.6	55.6	75.7	83.4
95°	0.0	25.6	54.5	74.5	82.3
97.5°	0.0	24.5	53.4	74.5	81.2
100°	0.0	23.4	53.4	73.4	80.1
102.5°	0.0	22.3	52.3	72.3	79.0
105°	0.0	21.1	51.2	70.1	76.8
107.5°	1.1	21.1	49.0	69.0	75.7
110°	1.1	20.0	46.7	67.9	74.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.9	44.5	65.6	72.3
115°	1.1	18.9	43.4	62.3	70.1
117.5°	1.1	17.8	41.2	60.1	67.9
120°	1.1	17.8	40.1	57.9	64.5
122.5°	1.1	16.7	37.8	55.6	62.3
125°	1.1	15.6	36.7	53.4	60.1
127.5°	1.1	14.5	35.6	51.2	57.9
130°	1.1	13.4	33.4	49.0	54.5
132.5°	1.1	13.4	32.3	45.6	52.3
135°	1.1	12.2	30.0	43.4	49.0
137.5°	1.1	11.1	27.8	41.2	46.7
140°	1.1	10.0	25.6	38.9	43.4
142.5°	1.1	10.0	23.4	35.6	40.1
145°	1.1	8.9	21.1	33.4	36.7
147.5°	1.1	7.8	18.9	30.0	33.4
150°	1.1	7.8	16.7	26.7	30.0
152.5°	1.1	6.7	14.5	24.5	27.8
155°	1.1	5.6	13.4	21.1	24.5
157.5°	1.1	5.6	11.1	17.8	21.1
160°	1.1	4.5	10.0	14.5	17.8
162.5°	1.1	4.5	8.9	12.2	15.6
165°	1.1	3.3	6.7	10.0	12.2
167.5°	1.1	3.3	5.6	7.8	10.0
170°	1.1	2.2	4.5	5.6	7.8
172.5°	1.1	2.2	3.3	3.3	3.3
175°	1.1	1.1	2.2	2.2	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)