

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: P566119

Luminaire Tested: **4SNX-20SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566119
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-L835-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

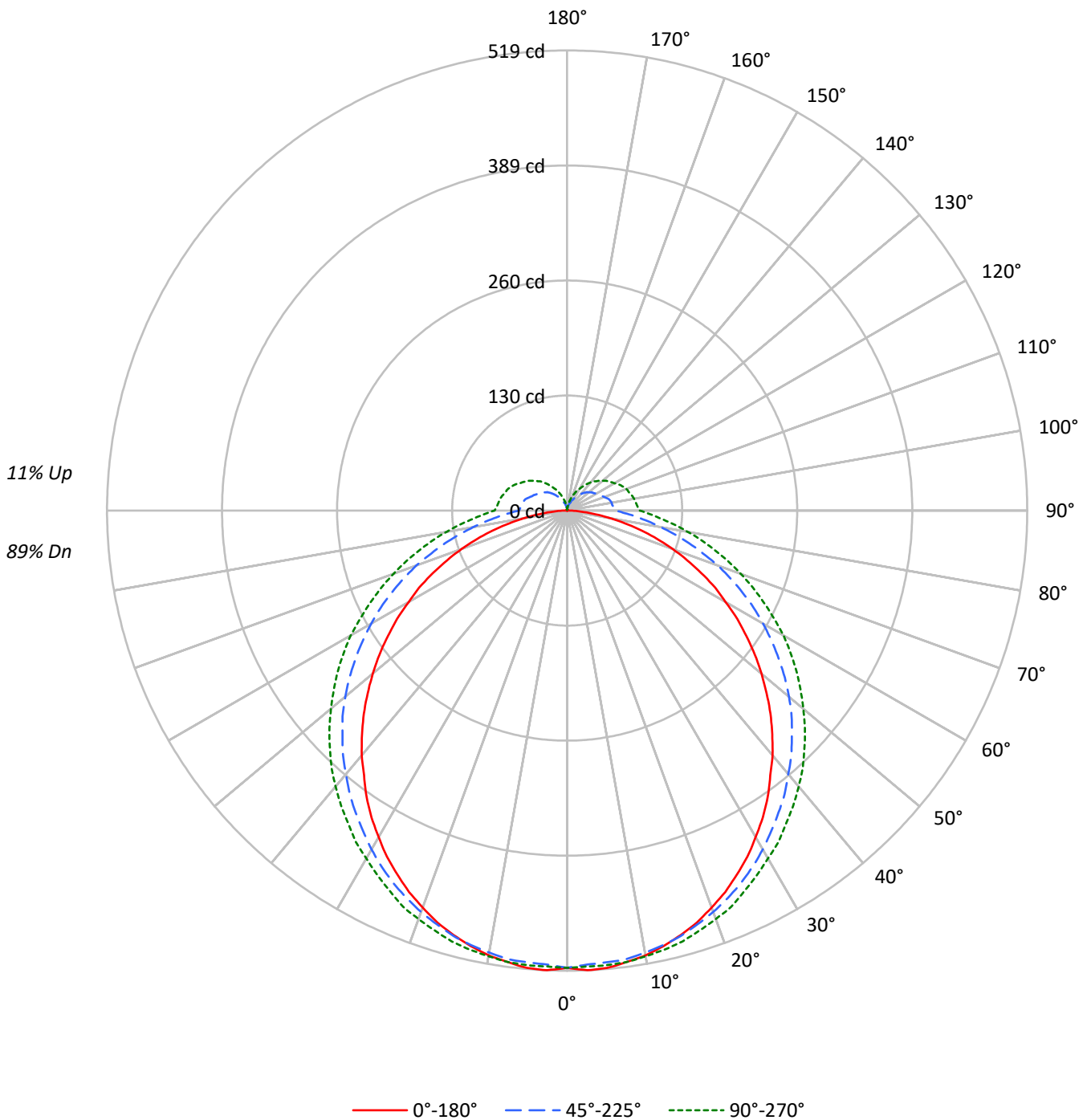
Lumens per Lamp: N/A
Luminaire Lumens: 1836.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12.1
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	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°	5551	5551	5551
5°	5586	5409	5404
10°	5547	5300	5270
15°	5491	5187	5147
20°	5416	5058	5010
25°	5329	4932	4867
30°	5224	4795	4725
35°	5110	4651	4592
40°	4979	4509	4464
45°	4836	4367	4327
50°	4674	4215	4172
55°	4496	4032	4020
60°	4287	3836	3852
65°	4070	3617	3639
70°	3766	3376	3430
75°	3366	3069	3200
80°	2712	2757	2972
85°	1907	2489	2738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	2.7
10°-20°	140.8	7.7
20°-30°	214.1	11.7
30°-40°	259.9	14.2
40°-50°	274.6	15.0
50°-60°	257.0	14.0
60°-70°	210.9	11.5
70°-80°	145.0	7.9
80°-90°	79.4	4.3
90°-100°	51.1	2.8
100°-110°	45.9	2.5
110°-120°	38.0	2.1
120°-130°	29.3	1.6
130°-140°	20.6	1.1
140°-150°	12.4	0.7
150°-160°	5.9	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	403.9	22.0
0°-40°	663.8	36.2
0°-60°	1195.4	65.1
0°-90°	1630.7	88.8
90°-120°	135.0	7.4
90°-150°	197.2	10.7
90°-180°	205.0	11.2
0°-180°	1836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	518	517	512	516	515	49
15°	496	498	497	503	503	140
25°	453	458	464	473	473	209
35°	394	404	416	428	431	246
45°	324	339	358	374	379	250
55°	247	267	291	309	316	221
65°	167	189	218	238	245	165
75°	87	111	142	165	172	92
85°	19	46	78	99	106	22
90°	0	26	54	74	82	1
95°	0	24	52	71	79	0
105°	0	20	49	67	73	1
115°	1	18	42	60	67	1
125°	1	15	35	51	57	1
135°	1	12	29	42	47	1
145°	1	8	20	32	35	1
155°	1	5	13	20	23	1
165°	1	3	6	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°	515.7	515.7	515.7	515.7	515.7
2.5°	518.9	517.9	512.5	516.8	514.7
5°	517.9	516.8	511.5	515.7	514.7
7.5°	513.6	513.6	510.4	514.7	513.6
10°	509.4	509.4	506.2	511.5	510.4
12.5°	503.0	504.0	501.9	508.3	507.2
15°	495.5	497.7	496.6	503.0	503.0
17.5°	487.0	489.2	489.2	496.6	496.6
20°	476.4	479.6	481.7	490.2	490.2
22.5°	465.8	470.0	473.2	480.6	483.8
25°	453.0	458.3	463.6	473.2	473.2
27.5°	440.2	446.6	453.0	462.6	463.6
30°	425.3	432.8	441.3	450.9	453.0
32.5°	410.5	420.0	428.5	440.2	443.4
35°	394.5	404.1	415.8	427.5	430.7
37.5°	376.4	388.1	403.0	415.8	419.0
40°	360.5	373.2	388.1	403.0	406.2
42.5°	342.4	356.2	374.3	388.1	393.4
45°	324.3	339.2	358.4	374.3	378.6
47.5°	305.2	322.2	343.5	358.4	363.7
50°	286.0	304.1	326.5	343.5	347.7
52.5°	266.9	286.0	309.4	326.5	331.8
55°	246.7	266.9	291.4	309.4	315.8
57.5°	227.6	247.8	273.3	292.4	298.8
60°	206.3	229.7	255.2	274.4	281.8
62.5°	188.2	209.5	237.1	256.3	262.7
65°	166.9	189.3	218.0	238.2	244.6
67.5°	146.7	170.1	198.9	220.1	226.5
70°	126.5	149.9	180.8	201.0	208.4
72.5°	106.3	130.8	160.6	182.9	190.3
75°	87.2	110.6	142.5	164.8	172.3
77.5°	67.0	92.5	124.4	146.7	155.3
80°	48.9	75.5	107.4	129.7	138.2
82.5°	33.0	59.5	91.5	113.8	122.3
85°	19.1	45.7	77.6	98.9	106.3
87.5°	9.6	35.1	64.9	86.1	93.6
90°	0.0	25.5	54.2	74.4	81.9
92.5°	0.0	24.5	53.2	72.3	79.8
95°	0.0	24.5	52.1	71.2	78.7
97.5°	0.0	23.4	51.0	71.2	77.6
100°	0.0	22.3	51.0	70.2	76.6
102.5°	0.0	21.3	50.0	69.1	75.5
105°	0.0	20.2	48.9	67.0	73.4
107.5°	1.1	20.2	46.8	65.9	72.3
110°	1.1	19.1	44.7	64.9	71.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.1	42.5	62.7	69.1
115°	1.1	18.1	41.5	59.5	67.0
117.5°	1.1	17.0	39.3	57.4	64.9
120°	1.1	17.0	38.3	55.3	61.7
122.5°	1.1	16.0	36.2	53.2	59.5
125°	1.1	14.9	35.1	51.0	57.4
127.5°	1.1	13.8	34.0	48.9	55.3
130°	1.1	12.8	31.9	46.8	52.1
132.5°	1.1	12.8	30.8	43.6	50.0
135°	1.1	11.7	28.7	41.5	46.8
137.5°	1.1	10.6	26.6	39.3	44.7
140°	1.1	9.6	24.5	37.2	41.5
142.5°	1.1	9.6	22.3	34.0	38.3
145°	1.1	8.5	20.2	31.9	35.1
147.5°	1.1	7.4	18.1	28.7	31.9
150°	1.1	7.4	16.0	25.5	28.7
152.5°	1.1	6.4	13.8	23.4	26.6
155°	1.1	5.3	12.8	20.2	23.4
157.5°	1.1	5.3	10.6	17.0	20.2
160°	1.1	4.3	9.6	13.8	17.0
162.5°	1.1	4.3	8.5	11.7	14.9
165°	1.1	3.2	6.4	9.6	11.7
167.5°	1.1	3.2	5.3	7.4	9.6
170°	1.1	2.1	4.3	5.3	7.4
172.5°	1.1	2.1	3.2	3.2	3.2
175°	1.1	1.1	2.1	2.1	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)