

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: P566120

Luminaire Tested: **4SNX-20SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566120
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-L840-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

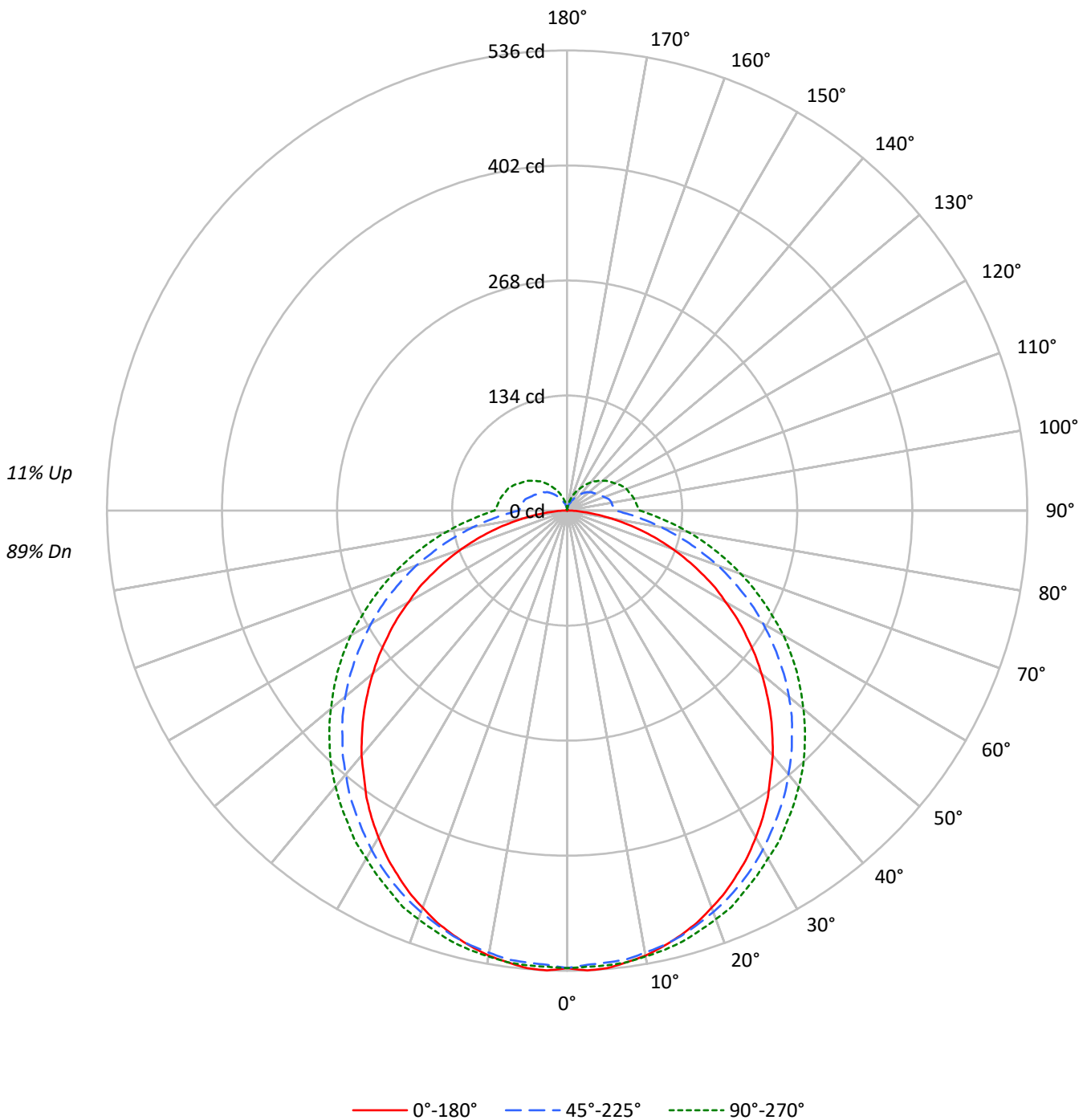
Lumens per Lamp: N/A
Luminaire Lumens: 1897.0 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12.1
Input Voltage (V): NR
Input Current (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°	5736	5736	5736
5°	5771	5589	5584
10°	5731	5476	5446
15°	5674	5360	5318
20°	5596	5227	5176
25°	5505	5096	5028
30°	5398	4954	4881
35°	5279	4806	4744
40°	5145	4659	4612
45°	4997	4512	4470
50°	4831	4354	4311
55°	4646	4165	4154
60°	4428	3964	3980
65°	4206	3737	3759
70°	3891	3488	3544
75°	3478	3170	3306
80°	2801	2850	3070
85°	1977	2572	2831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	2.7
10°-20°	145.5	7.7
20°-30°	221.2	11.7
30°-40°	268.5	14.2
40°-50°	283.7	15.0
50°-60°	265.5	14.0
60°-70°	217.9	11.5
70°-80°	149.8	7.9
80°-90°	82.1	4.3
90°-100°	52.8	2.8
100°-110°	47.4	2.5
110°-120°	39.2	2.1
120°-130°	30.2	1.6
130°-140°	21.2	1.1
140°-150°	12.8	0.7
150°-160°	6.1	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	417.3	22.0
0°-40°	685.8	36.2
0°-60°	1235.1	65.1
0°-90°	1684.9	88.8
90°-120°	139.5	7.4
90°-150°	203.8	10.7
90°-180°	212.0	11.2
0°-180°	1897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	533	533	533	533	533	
5°	535	534	528	533	532	51
15°	512	514	513	520	520	144
25°	468	474	479	489	489	216
35°	408	418	430	442	445	255
45°	335	350	370	387	391	258
55°	255	276	301	320	326	228
65°	172	196	225	246	253	171
75°	90	114	147	170	178	95
85°	20	47	80	102	110	23
90°	0	26	56	77	85	1
95°	0	25	54	74	81	0
105°	0	21	50	69	76	1
115°	1	19	43	62	69	1
125°	1	15	36	53	59	1
135°	1	12	30	43	48	1
145°	1	9	21	33	36	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°	532.9	532.9	532.9	532.9	532.9
2.5°	536.2	535.1	529.6	534.0	531.8
5°	535.1	534.0	528.5	532.9	531.8
7.5°	530.7	530.7	527.4	531.8	530.7
10°	526.3	526.3	523.0	528.5	527.4
12.5°	519.7	520.8	518.6	525.2	524.1
15°	512.0	514.2	513.1	519.7	519.7
17.5°	503.2	505.4	505.4	513.1	513.1
20°	492.2	495.5	497.7	506.5	506.5
22.5°	481.2	485.6	488.9	496.6	499.9
25°	468.0	473.5	479.0	488.9	488.9
27.5°	454.9	461.5	468.0	477.9	479.0
30°	439.5	447.2	456.0	465.9	468.0
32.5°	424.1	434.0	442.8	454.9	458.2
35°	407.6	417.5	429.6	441.7	445.0
37.5°	388.9	401.0	416.4	429.6	432.9
40°	372.5	385.6	401.0	416.4	419.7
42.5°	353.8	368.1	386.7	401.0	406.5
45°	335.1	350.5	370.3	386.7	391.1
47.5°	315.3	332.9	354.9	370.3	375.8
50°	295.6	314.2	337.3	354.9	359.3
52.5°	275.8	295.6	319.7	337.3	342.8
55°	254.9	275.8	301.0	319.7	326.3
57.5°	235.1	256.0	282.4	302.1	308.7
60°	213.1	237.3	263.7	283.5	291.2
62.5°	194.5	216.4	245.0	264.8	271.4
65°	172.5	195.6	225.2	246.1	252.7
67.5°	151.6	175.8	205.5	227.4	234.0
70°	130.7	154.9	186.8	207.7	215.3
72.5°	109.9	135.1	165.9	189.0	196.7
75°	90.1	114.3	147.2	170.3	178.0
77.5°	69.2	95.6	128.5	151.6	160.4
80°	50.5	78.0	111.0	134.0	142.8
82.5°	34.1	61.5	94.5	117.6	126.4
85°	19.8	47.2	80.2	102.2	109.9
87.5°	9.9	36.3	67.0	89.0	96.7
90°	0.0	26.4	56.0	76.9	84.6
92.5°	0.0	25.3	54.9	74.7	82.4
95°	0.0	25.3	53.8	73.6	81.3
97.5°	0.0	24.2	52.7	73.6	80.2
100°	0.0	23.1	52.7	72.5	79.1
102.5°	0.0	22.0	51.6	71.4	78.0
105°	0.0	20.9	50.5	69.2	75.8
107.5°	1.1	20.9	48.3	68.1	74.7
110°	1.1	19.8	46.1	67.0	73.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.7	43.9	64.8	71.4
115°	1.1	18.7	42.8	61.5	69.2
117.5°	1.1	17.6	40.7	59.3	67.0
120°	1.1	17.6	39.6	57.1	63.7
122.5°	1.1	16.5	37.4	54.9	61.5
125°	1.1	15.4	36.3	52.7	59.3
127.5°	1.1	14.3	35.2	50.5	57.1
130°	1.1	13.2	33.0	48.3	53.8
132.5°	1.1	13.2	31.9	45.0	51.6
135°	1.1	12.1	29.7	42.8	48.3
137.5°	1.1	11.0	27.5	40.7	46.1
140°	1.1	9.9	25.3	38.5	42.8
142.5°	1.1	9.9	23.1	35.2	39.6
145°	1.1	8.8	20.9	33.0	36.3
147.5°	1.1	7.7	18.7	29.7	33.0
150°	1.1	7.7	16.5	26.4	29.7
152.5°	1.1	6.6	14.3	24.2	27.5
155°	1.1	5.5	13.2	20.9	24.2
157.5°	1.1	5.5	11.0	17.6	20.9
160°	1.1	4.4	9.9	14.3	17.6
162.5°	1.1	4.4	8.8	12.1	15.4
165°	1.1	3.3	6.6	9.9	12.1
167.5°	1.1	3.3	5.5	7.7	9.9
170°	1.1	2.2	4.4	5.5	7.7
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)