

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: P566111

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566111
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-L835-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

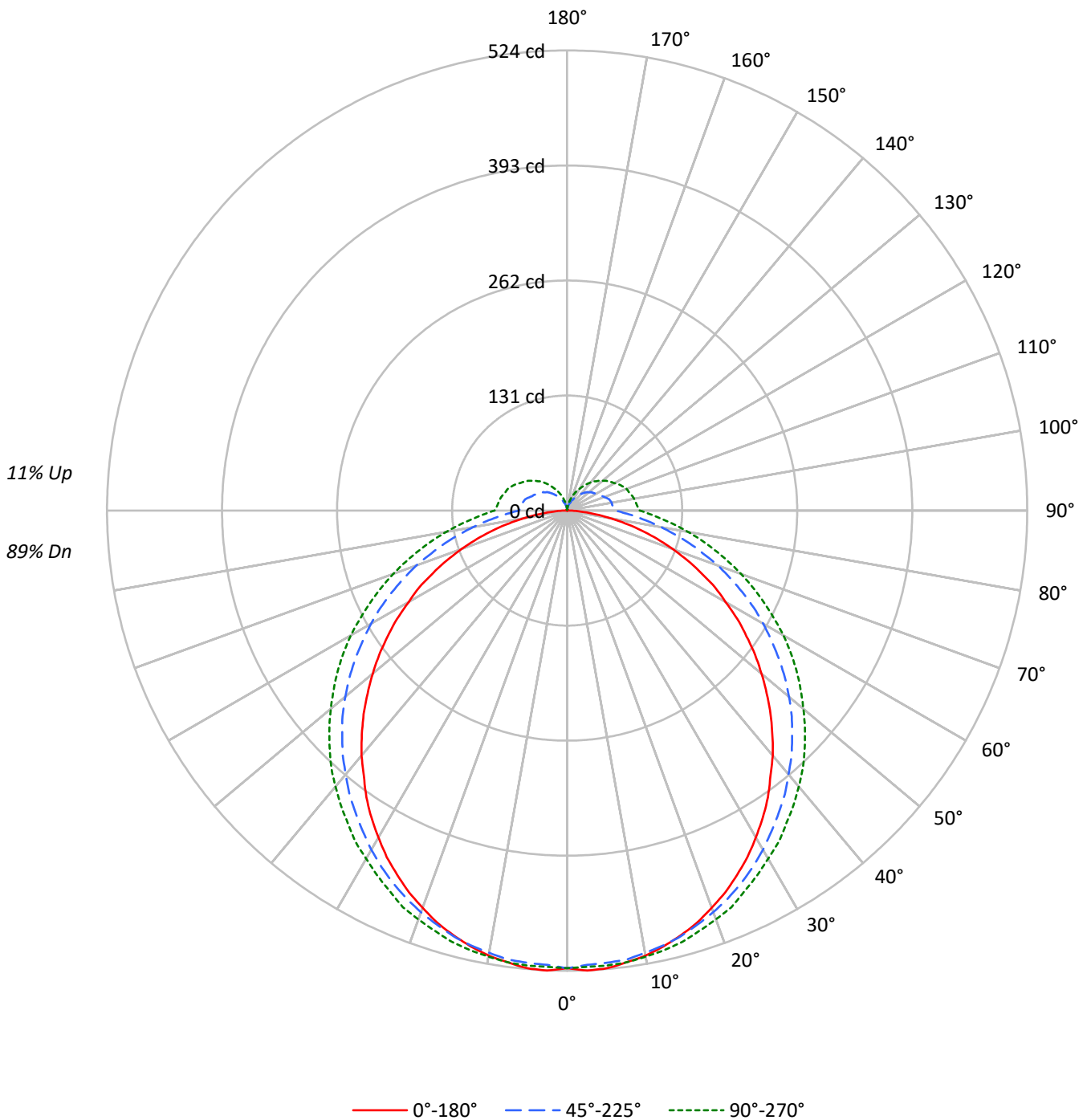
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 153.3 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 (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°	5609	5609	5609
5°	5633	5350	5309
10°	5584	5136	5044
15°	5518	4929	4805
20°	5431	4715	4566
25°	5332	4510	4332
30°	5217	4299	4108
35°	5089	4087	3898
40°	4945	3879	3698
45°	4789	3673	3494
50°	4611	3458	3278
55°	4416	3221	3068
60°	4184	2973	2844
65°	3944	2704	2590
70°	3612	2418	2341
75°	3171	2087	2075
80°	2477	1751	1811
85°	1615	1440	1539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	2.7
10°-20°	142.3	7.7
20°-30°	216.3	11.7
30°-40°	262.6	14.2
40°-50°	277.5	15.0
50°-60°	259.6	14.0
60°-70°	213.0	11.5
70°-80°	146.5	7.9
80°-90°	80.2	4.3
90°-100°	51.7	2.8
100°-110°	46.4	2.5
110°-120°	38.4	2.1
120°-130°	29.6	1.6
130°-140°	20.8	1.1
140°-150°	12.5	0.7
150°-160°	6.0	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	408.1	22.0
0°-40°	670.6	36.2
0°-60°	1207.7	65.1
0°-90°	1647.6	88.8
90°-120°	136.4	7.4
90°-150°	199.3	10.7
90°-180°	207.0	11.2
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	523	522	517	521	520	50
15°	501	503	502	508	508	141
25°	458	463	468	478	478	211
35°	399	408	420	432	435	249
45°	328	343	362	378	382	253
55°	249	270	294	313	319	223
65°	169	191	220	241	247	167
75°	88	112	144	166	174	93
85°	19	46	78	100	107	22
90°	0	26	55	75	83	1
95°	0	25	53	72	80	0
105°	0	20	49	68	74	1
115°	1	18	42	60	68	1
125°	1	15	36	52	58	1
135°	1	12	29	42	47	1
145°	1	9	20	32	36	1
155°	1	5	13	20	24	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°	521.1	521.1	521.1	521.1	521.1
2.5°	524.3	523.2	517.9	522.1	520.0
5°	523.2	522.1	516.8	521.1	520.0
7.5°	518.9	518.9	515.7	520.0	518.9
10°	514.6	514.6	511.4	516.8	515.7
12.5°	508.2	509.3	507.1	513.6	512.5
15°	500.7	502.8	501.7	508.2	508.2
17.5°	492.1	494.2	494.2	501.7	501.7
20°	481.3	484.5	486.7	495.3	495.3
22.5°	470.6	474.9	478.1	485.6	488.8
25°	457.7	463.1	468.4	478.1	478.1
27.5°	444.8	451.2	457.7	467.4	468.4
30°	429.8	437.3	445.9	455.5	457.7
32.5°	414.7	424.4	433.0	444.8	448.0
35°	398.6	408.3	420.1	431.9	435.1
37.5°	380.3	392.1	407.2	420.1	423.3
40°	364.2	377.1	392.1	407.2	410.4
42.5°	346.0	359.9	378.2	392.1	397.5
45°	327.7	342.7	362.1	378.2	382.5
47.5°	308.3	325.5	347.0	362.1	367.4
50°	289.0	307.3	329.8	347.0	351.3
52.5°	269.7	289.0	312.6	329.8	335.2
55°	249.3	269.7	294.4	312.6	319.1
57.5°	229.9	250.3	276.1	295.5	301.9
60°	208.4	232.1	257.9	277.2	284.7
62.5°	190.2	211.7	239.6	258.9	265.4
65°	168.7	191.2	220.2	240.7	247.1
67.5°	148.3	171.9	200.9	222.4	228.8
70°	127.9	151.5	182.6	203.1	210.6
72.5°	107.4	132.1	162.2	184.8	192.3
75°	88.1	111.7	144.0	166.5	174.0
77.5°	67.7	93.5	125.7	148.3	156.9
80°	49.4	76.3	108.5	131.1	139.7
82.5°	33.3	60.2	92.4	115.0	123.6
85°	19.3	46.2	78.4	99.9	107.4
87.5°	9.7	35.5	65.5	87.0	94.5
90°	0.0	25.8	54.8	75.2	82.7
92.5°	0.0	24.7	53.7	73.1	80.6
95°	0.0	24.7	52.6	72.0	79.5
97.5°	0.0	23.6	51.6	72.0	78.4
100°	0.0	22.6	51.6	70.9	77.4
102.5°	0.0	21.5	50.5	69.8	76.3
105°	0.0	20.4	49.4	67.7	74.1
107.5°	1.1	20.4	47.3	66.6	73.1
110°	1.1	19.3	45.1	65.5	72.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.3	43.0	63.4	69.8
115°	1.1	18.3	41.9	60.2	67.7
117.5°	1.1	17.2	39.8	58.0	65.5
120°	1.1	17.2	38.7	55.9	62.3
122.5°	1.1	16.1	36.5	53.7	60.2
125°	1.1	15.0	35.5	51.6	58.0
127.5°	1.1	14.0	34.4	49.4	55.9
130°	1.1	12.9	32.2	47.3	52.6
132.5°	1.1	12.9	31.2	44.0	50.5
135°	1.1	11.8	29.0	41.9	47.3
137.5°	1.1	10.7	26.9	39.8	45.1
140°	1.1	9.7	24.7	37.6	41.9
142.5°	1.1	9.7	22.6	34.4	38.7
145°	1.1	8.6	20.4	32.2	35.5
147.5°	1.1	7.5	18.3	29.0	32.2
150°	1.1	7.5	16.1	25.8	29.0
152.5°	1.1	6.4	14.0	23.6	26.9
155°	1.1	5.4	12.9	20.4	23.6
157.5°	1.1	5.4	10.7	17.2	20.4
160°	1.1	4.3	9.7	14.0	17.2
162.5°	1.1	4.3	8.6	11.8	15.0
165°	1.1	3.2	6.4	9.7	11.8
167.5°	1.1	3.2	5.4	7.5	9.7
170°	1.1	2.1	4.3	5.4	7.5
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)