

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: P566113

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566113
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-L850-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

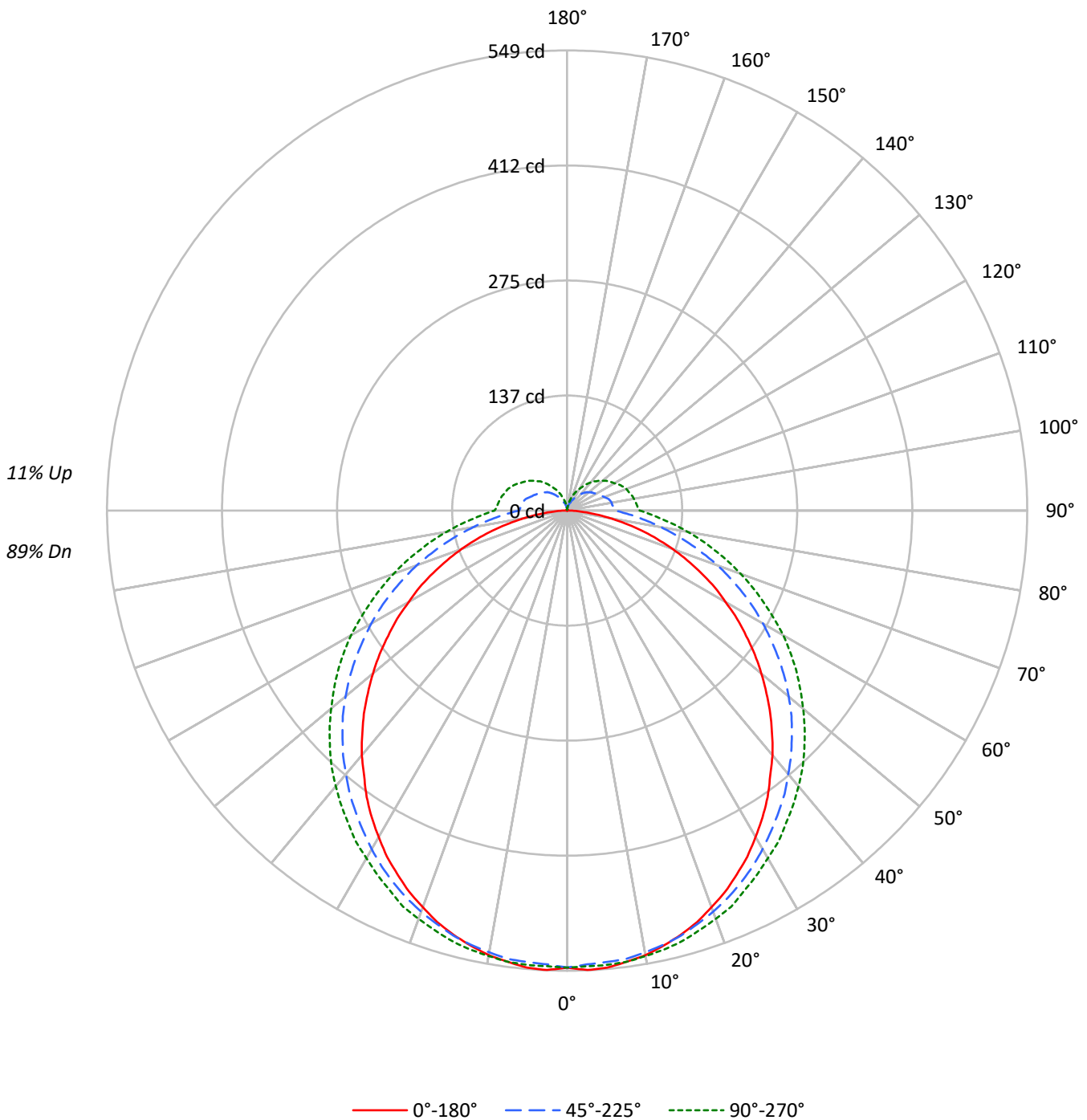
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1941.0 lumens
Efficiency: N/A
Efficacy: 160.4 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	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°	5868	5868	5868
5°	5894	5597	5555
10°	5843	5374	5277
15°	5774	5158	5027
20°	5682	4934	4778
25°	5579	4719	4533
30°	5458	4498	4298
35°	5325	4277	4079
40°	5174	4059	3869
45°	5011	3843	3655
50°	4824	3619	3430
55°	4619	3370	3210
60°	4379	3110	2976
65°	4127	2830	2711
70°	3778	2531	2448
75°	3318	2183	2171
80°	2592	1832	1894
85°	1690	1508	1610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	2.7
10°-20°	148.9	7.7
20°-30°	226.3	11.7
30°-40°	274.8	14.2
40°-50°	290.3	15.0
50°-60°	271.7	14.0
60°-70°	222.9	11.5
70°-80°	153.3	7.9
80°-90°	84.0	4.3
90°-100°	54.1	2.8
100°-110°	48.5	2.5
110°-120°	40.2	2.1
120°-130°	30.9	1.6
130°-140°	21.7	1.1
140°-150°	13.1	0.7
150°-160°	6.3	0.3
160°-170°	2.1	0.1
170°-180°	0.2	0.0
0°-30°	427.0	22.0
0°-40°	701.7	36.2
0°-60°	1263.7	65.1
0°-90°	1723.9	88.8
90°-120°	142.7	7.4
90°-150°	208.5	10.7
90°-180°	217.0	11.2
0°-180°	1941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	548	546	541	545	544	52
15°	524	526	525	532	532	148
25°	479	484	490	500	500	221
35°	417	427	440	452	455	261
45°	343	359	379	396	400	264
55°	261	282	308	327	334	233
65°	176	200	230	252	259	175
75°	92	117	151	174	182	97
85°	20	48	82	104	112	23
90°	0	27	57	79	87	1
95°	0	26	55	75	83	0
105°	0	21	52	71	78	1
115°	1	19	44	63	71	1
125°	1	16	37	54	61	1
135°	1	12	30	44	50	1
145°	1	9	21	34	37	1
155°	1	6	14	21	25	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°	545.2	545.2	545.2	545.2	545.2
2.5°	548.6	547.5	541.9	546.4	544.1
5°	547.5	546.4	540.7	545.2	544.1
7.5°	543.0	543.0	539.6	544.1	543.0
10°	538.5	538.5	535.1	540.7	539.6
12.5°	531.7	532.9	530.6	537.4	536.2
15°	523.9	526.1	525.0	531.7	531.7
17.5°	514.9	517.1	517.1	525.0	525.0
20°	503.6	507.0	509.3	518.3	518.3
22.5°	492.4	496.9	500.3	508.1	511.5
25°	478.9	484.5	490.1	500.3	500.3
27.5°	465.4	472.2	478.9	489.0	490.1
30°	449.7	457.5	466.5	476.7	478.9
32.5°	433.9	444.1	453.0	465.4	468.8
35°	417.1	427.2	439.6	451.9	455.3
37.5°	398.0	410.3	426.1	439.6	442.9
40°	381.1	394.6	410.3	426.1	429.4
42.5°	362.0	376.6	395.7	410.3	415.9
45°	342.9	358.6	378.9	395.7	400.2
47.5°	322.6	340.6	363.1	378.9	384.5
50°	302.4	321.5	345.1	363.1	367.6
52.5°	282.2	302.4	327.1	345.1	350.7
55°	260.8	282.2	308.0	327.1	333.9
57.5°	240.6	261.9	288.9	309.2	315.9
60°	218.1	242.8	269.8	290.0	297.9
62.5°	199.0	221.5	250.7	270.9	277.7
65°	176.5	200.1	230.5	251.8	258.6
67.5°	155.1	179.9	210.2	232.7	239.5
70°	133.8	158.5	191.1	212.5	220.3
72.5°	112.4	138.3	169.8	193.4	201.2
75°	92.2	116.9	150.6	174.2	182.1
77.5°	70.8	97.8	131.5	155.1	164.1
80°	51.7	79.8	113.5	137.2	146.1
82.5°	34.8	63.0	96.7	120.3	129.3
85°	20.2	48.3	82.1	104.5	112.4
87.5°	10.1	37.1	68.6	91.1	98.9
90°	0.0	27.0	57.3	78.7	86.6
92.5°	0.0	25.9	56.2	76.4	84.3
95°	0.0	25.9	55.1	75.3	83.2
97.5°	0.0	24.7	54.0	75.3	82.1
100°	0.0	23.6	54.0	74.2	80.9
102.5°	0.0	22.5	52.8	73.1	79.8
105°	0.0	21.4	51.7	70.8	77.6
107.5°	1.1	21.4	49.5	69.7	76.4
110°	1.1	20.2	47.2	68.6	75.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	19.1	45.0	66.3	73.1
115°	1.1	19.1	43.8	63.0	70.8
117.5°	1.1	18.0	41.6	60.7	68.6
120°	1.1	18.0	40.5	58.5	65.2
122.5°	1.1	16.9	38.2	56.2	63.0
125°	1.1	15.7	37.1	54.0	60.7
127.5°	1.1	14.6	36.0	51.7	58.5
130°	1.1	13.5	33.7	49.5	55.1
132.5°	1.1	13.5	32.6	46.1	52.8
135°	1.1	12.4	30.4	43.8	49.5
137.5°	1.1	11.2	28.1	41.6	47.2
140°	1.1	10.1	25.9	39.3	43.8
142.5°	1.1	10.1	23.6	36.0	40.5
145°	1.1	9.0	21.4	33.7	37.1
147.5°	1.1	7.9	19.1	30.4	33.7
150°	1.1	7.9	16.9	27.0	30.4
152.5°	1.1	6.7	14.6	24.7	28.1
155°	1.1	5.6	13.5	21.4	24.7
157.5°	1.1	5.6	11.2	18.0	21.4
160°	1.1	4.5	10.1	14.6	18.0
162.5°	1.1	4.5	9.0	12.4	15.7
165°	1.1	3.4	6.7	10.1	12.4
167.5°	1.1	3.4	5.6	7.9	10.1
170°	1.1	2.2	4.5	5.6	7.9
172.5°	1.1	2.2	3.4	3.4	3.4
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)