

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: P567277

Luminaire Tested: **8SNX-120SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567277
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: 8SNX-120SL-LW-UNV-L850-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

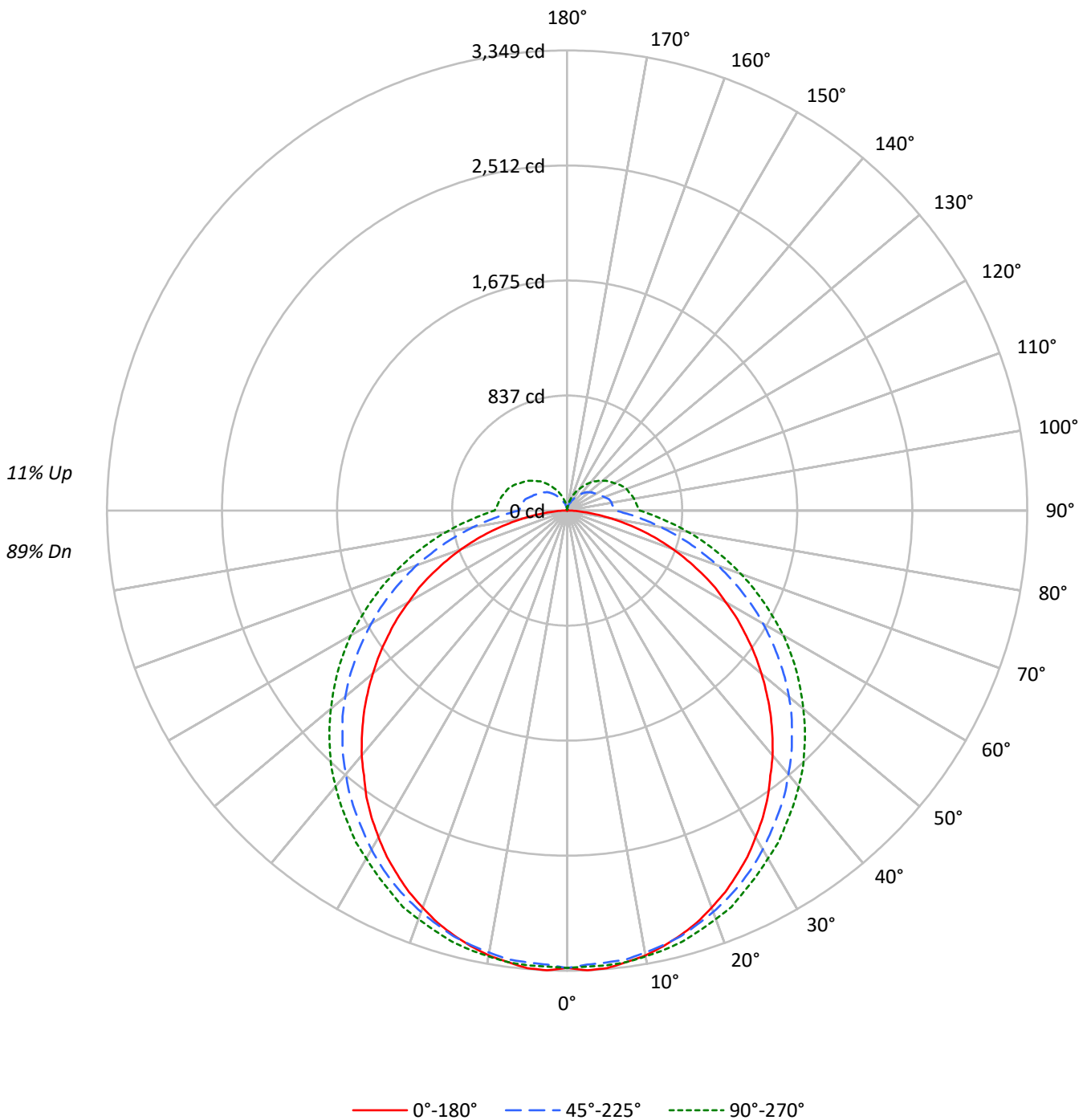
Lumens per Lamp: N/A
Luminaire Lumens: 11849.0 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 84
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	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°	17913	17913	17913
5°	18023	17106	16955
10°	17899	16442	16109
15°	17720	15799	15345
20°	17476	15128	14581
25°	17194	14485	13834
30°	16857	13820	13119
35°	16488	13153	12449
40°	16064	12500	11811
45°	15606	11844	11157
50°	15083	11170	10470
55°	14507	10414	9797
60°	13832	9624	9085
65°	13134	8772	8273
70°	12156	7860	7475
75°	10857	6795	6628
80°	8751	5718	5784
85°	6159	4718	4916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.1	2.7
10°-20°	908.7	7.7
20°-30°	1381.7	11.7
30°-40°	1677.2	14.2
40°-50°	1772.3	15.0
50°-60°	1658.5	14.0
60°-70°	1360.8	11.5
70°-80°	936.0	7.9
80°-90°	512.6	4.3
90°-100°	330.1	2.8
100°-110°	296.2	2.5
110°-120°	245.2	2.1
120°-130°	188.8	1.6
130°-140°	132.7	1.1
140°-150°	79.9	0.7
150°-160°	38.3	0.3
160°-170°	12.6	0.1
170°-180°	1.5	0.0
0°-30°	2606.5	22.0
0°-40°	4283.7	36.2
0°-60°	7714.6	65.1
0°-90°	10523.9	88.8
90°-120°	871.4	7.4
90°-150°	1272.8	10.7
90°-180°	1325.0	11.2
0°-180°	11849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3328	3328	3328	3328	3328	
5°	3342	3335	3301	3328	3322	317
15°	3198	3212	3205	3246	3246	902
25°	2924	2958	2992	3054	3054	1347
35°	2546	2608	2683	2759	2779	1590
45°	2093	2189	2313	2416	2443	1613
55°	1592	1722	1880	1997	2038	1425
65°	1077	1222	1407	1537	1578	1067
75°	563	714	920	1064	1112	592
85°	124	295	501	638	686	143
90°	0	165	350	480	528	8
95°	0	158	336	460	508	0
105°	0	130	316	432	474	5
115°	7	117	268	384	432	7
125°	7	96	226	329	371	6
135°	7	76	185	268	302	5
145°	7	55	130	206	226	4
155°	7	34	82	130	151	3
165°	7	21	41	62	76	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3328.4	3328.4	3328.4	3328.4	3328.4
2.5°	3349.0	3342.1	3307.8	3335.3	3321.5
5°	3342.1	3335.3	3301.0	3328.4	3321.5
7.5°	3314.7	3314.7	3294.1	3321.5	3314.7
10°	3287.2	3287.2	3266.6	3301.0	3294.1
12.5°	3246.1	3252.9	3239.2	3280.4	3273.5
15°	3198.0	3211.7	3204.9	3246.1	3246.1
17.5°	3143.1	3156.8	3156.8	3204.9	3204.9
20°	3074.5	3095.1	3108.8	3163.7	3163.7
22.5°	3005.9	3033.3	3053.9	3101.9	3122.5
25°	2923.5	2957.8	2992.1	3053.9	3053.9
27.5°	2841.2	2882.3	2923.5	2985.3	2992.1
30°	2745.1	2793.1	2848.0	2909.8	2923.5
32.5°	2649.0	2710.8	2765.7	2841.2	2861.7
35°	2546.1	2607.8	2683.3	2758.8	2779.4
37.5°	2429.4	2504.9	2601.0	2683.3	2703.9
40°	2326.5	2408.8	2504.9	2601.0	2621.6
42.5°	2209.8	2299.0	2415.7	2504.9	2539.2
45°	2093.1	2189.2	2312.7	2415.7	2443.1
47.5°	1969.6	2079.4	2216.7	2312.7	2347.0
50°	1846.1	1962.7	2106.9	2216.7	2244.1
52.5°	1722.5	1846.1	1997.0	2106.9	2141.2
55°	1592.1	1722.5	1880.4	1997.0	2038.2
57.5°	1468.6	1599.0	1763.7	1887.2	1928.4
60°	1331.4	1482.3	1647.0	1770.6	1818.6
62.5°	1214.7	1352.0	1530.4	1653.9	1695.1
65°	1077.4	1221.6	1406.9	1537.2	1578.4
67.5°	947.1	1098.0	1283.3	1420.6	1461.8
70°	816.7	967.6	1166.7	1297.1	1345.1
72.5°	686.3	844.1	1036.3	1180.4	1228.4
75°	562.7	713.7	919.6	1063.7	1111.8
77.5°	432.4	597.1	802.9	947.1	1002.0
80°	315.7	487.3	693.1	837.2	892.2
82.5°	212.7	384.3	590.2	734.3	789.2
85°	123.5	295.1	501.0	638.2	686.3
87.5°	61.8	226.5	418.6	555.9	603.9
90°	0.0	164.7	350.0	480.4	528.4
92.5°	0.0	157.8	343.1	466.7	514.7
95°	0.0	157.8	336.3	459.8	507.8
97.5°	0.0	151.0	329.4	459.8	501.0
100°	0.0	144.1	329.4	452.9	494.1
102.5°	0.0	137.3	322.5	446.1	487.3
105°	0.0	130.4	315.7	432.4	473.5
107.5°	6.9	130.4	302.0	425.5	466.7
110°	6.9	123.5	288.2	418.6	459.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.9	116.7	274.5	404.9	446.1
115°	6.9	116.7	267.6	384.3	432.4
117.5°	6.9	109.8	253.9	370.6	418.6
120°	6.9	109.8	247.1	356.9	398.0
122.5°	6.9	102.9	233.3	343.1	384.3
125°	6.9	96.1	226.5	329.4	370.6
127.5°	6.9	89.2	219.6	315.7	356.9
130°	6.9	82.4	205.9	302.0	336.3
132.5°	6.9	82.4	199.0	281.4	322.5
135°	6.9	75.5	185.3	267.6	302.0
137.5°	6.9	68.6	171.6	253.9	288.2
140°	6.9	61.8	157.8	240.2	267.6
142.5°	6.9	61.8	144.1	219.6	247.1
145°	6.9	54.9	130.4	205.9	226.5
147.5°	6.9	48.0	116.7	185.3	205.9
150°	6.9	48.0	102.9	164.7	185.3
152.5°	6.9	41.2	89.2	151.0	171.6
155°	6.9	34.3	82.4	130.4	151.0
157.5°	6.9	34.3	68.6	109.8	130.4
160°	6.9	27.5	61.8	89.2	109.8
162.5°	6.9	27.5	54.9	75.5	96.1
165°	6.9	20.6	41.2	61.8	75.5
167.5°	6.9	20.6	34.3	48.0	61.8
170°	6.9	13.7	27.5	34.3	48.0
172.5°	6.9	13.7	20.6	20.6	20.6
175°	6.9	6.9	13.7	13.7	6.9
177.5°	6.9	6.9	6.9	6.9	6.9
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)