

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: P567287

Luminaire Tested: **8SNX-120SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567287
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-SLW-UNV-L935-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

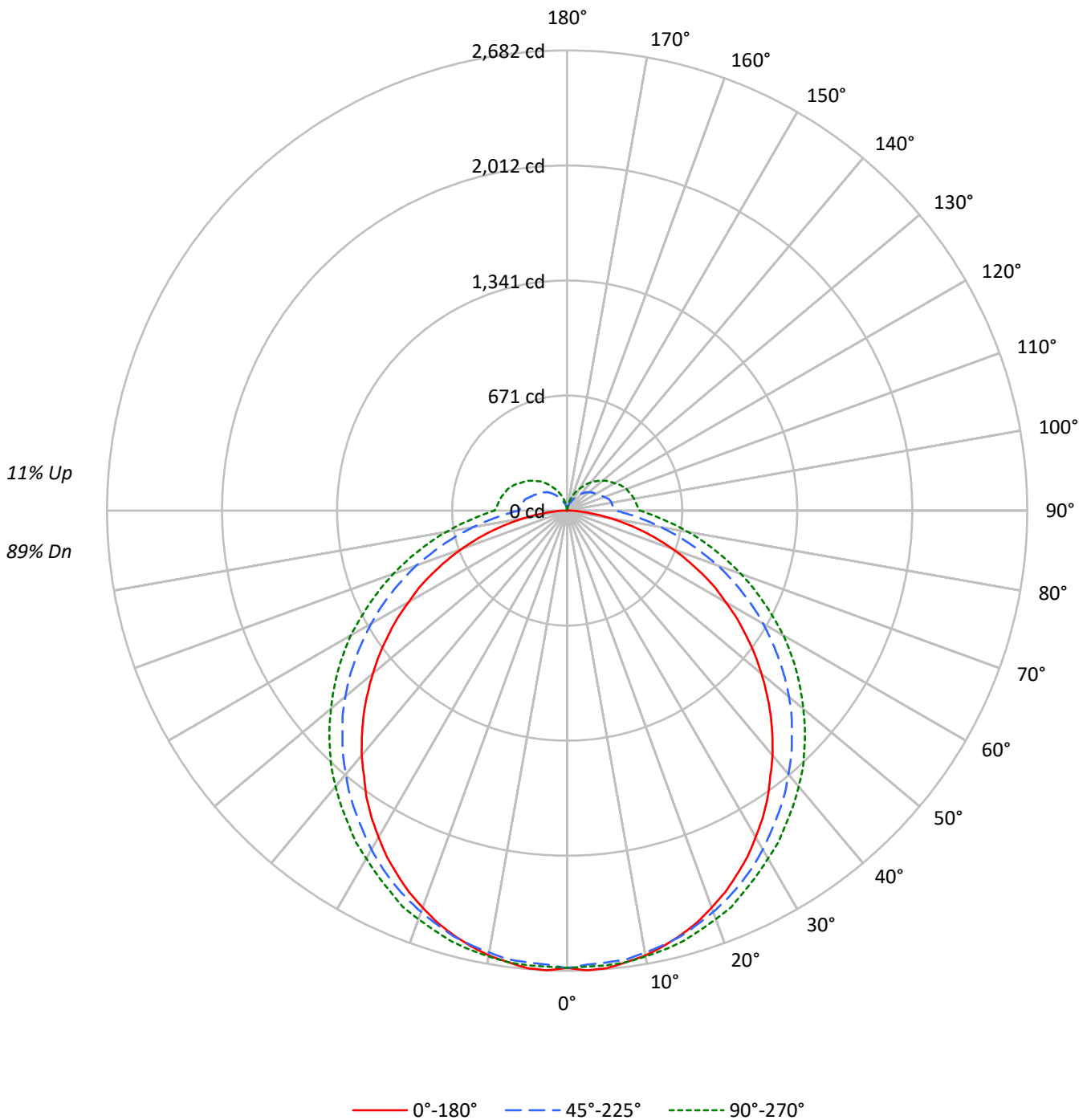
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9489.0 lumens
Efficiency: N/A
Efficacy: 113.0 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: 0.08')
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	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°	14346	14346	14346
5°	14447	13985	13965
10°	14360	13711	13619
15°	14230	13429	13301
20°	14048	13104	12946
25°	13836	12786	12576
30°	13580	12436	12209
35°	13300	12072	11865
40°	12977	11714	11536
45°	12627	11349	11180
50°	12227	10963	10781
55°	11789	10500	10390
60°	11274	10003	9953
65°	10748	9444	9402
70°	10006	8829	8865
75°	9023	8045	8268
80°	7400	7250	7682
85°	5460	6576	7078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	2.7
10°-20°	727.7	7.7
20°-30°	1106.5	11.7
30°-40°	1343.2	14.2
40°-50°	1419.3	15.0
50°-60°	1328.2	14.0
60°-70°	1089.8	11.5
70°-80°	749.6	7.9
80°-90°	410.5	4.3
90°-100°	264.3	2.8
100°-110°	237.2	2.5
110°-120°	196.3	2.1
120°-130°	151.2	1.6
130°-140°	106.2	1.1
140°-150°	64.0	0.7
150°-160°	30.6	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	2087.4	22.0
0°-40°	3430.5	36.2
0°-60°	6178.0	65.1
0°-90°	8427.8	88.8
90°-120°	697.8	7.4
90°-150°	1019.2	10.7
90°-180°	1061.0	11.2
0°-180°	9489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2666	2666	2666	2666	2666	
5°	2676	2671	2644	2666	2660	254
15°	2561	2572	2567	2600	2600	722
25°	2341	2369	2396	2446	2446	1079
35°	2039	2088	2149	2209	2226	1274
45°	1676	1753	1852	1934	1956	1292
55°	1275	1380	1506	1599	1632	1141
65°	863	978	1127	1231	1264	855
75°	451	572	736	852	890	474
85°	99	236	401	511	550	114
90°	0	132	280	385	423	7
95°	0	126	269	368	407	0
105°	0	104	253	346	379	4
115°	6	93	214	308	346	5
125°	6	77	181	264	297	5
135°	6	60	148	214	242	4
145°	6	44	104	165	181	3
155°	6	28	66	104	121	3
165°	6	16	33	50	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2665.5	2665.5	2665.5	2665.5	2665.5
2.5°	2682.0	2676.5	2649.0	2671.0	2660.0
5°	2676.5	2671.0	2643.5	2665.5	2660.0
7.5°	2654.5	2654.5	2638.0	2660.0	2654.5
10°	2632.5	2632.5	2616.0	2643.5	2638.0
12.5°	2599.5	2605.0	2594.0	2627.0	2621.5
15°	2561.1	2572.1	2566.6	2599.5	2599.5
17.5°	2517.1	2528.1	2528.1	2566.6	2566.6
20°	2462.1	2478.6	2489.6	2533.6	2533.6
22.5°	2407.2	2429.2	2445.6	2484.1	2500.6
25°	2341.2	2368.7	2396.2	2445.6	2445.6
27.5°	2275.3	2308.3	2341.2	2390.7	2396.2
30°	2198.3	2236.8	2280.8	2330.2	2341.2
32.5°	2121.4	2170.9	2214.8	2275.3	2291.8
35°	2039.0	2088.4	2148.9	2209.3	2225.8
37.5°	1945.5	2006.0	2082.9	2148.9	2165.4
40°	1863.1	1929.0	2006.0	2082.9	2099.4
42.5°	1769.7	1841.1	1934.5	2006.0	2033.5
45°	1676.2	1753.2	1852.1	1934.5	1956.5
47.5°	1577.3	1665.2	1775.2	1852.1	1879.6
50°	1478.4	1571.8	1687.2	1775.2	1797.1
52.5°	1379.5	1478.4	1599.3	1687.2	1714.7
55°	1275.0	1379.5	1505.9	1599.3	1632.3
57.5°	1176.1	1280.5	1412.4	1511.4	1544.3
60°	1066.2	1187.1	1319.0	1417.9	1456.4
62.5°	972.8	1082.7	1225.6	1324.5	1357.5
65°	862.8	978.3	1126.6	1231.1	1264.0
67.5°	758.4	879.3	1027.7	1137.6	1170.6
70°	654.0	774.9	934.3	1038.7	1077.2
72.5°	549.6	676.0	829.9	945.3	983.8
75°	450.7	571.6	736.4	851.9	890.3
77.5°	346.2	478.1	643.0	758.4	802.4
80°	252.8	390.2	555.1	670.5	714.5
82.5°	170.4	307.8	472.6	588.1	632.0
85°	98.9	236.3	401.2	511.1	549.6
87.5°	49.5	181.4	335.2	445.2	483.6
90°	0.0	131.9	280.3	384.7	423.2
92.5°	0.0	126.4	274.8	373.7	412.2
95°	0.0	126.4	269.3	368.2	406.7
97.5°	0.0	120.9	263.8	368.2	401.2
100°	0.0	115.4	263.8	362.7	395.7
102.5°	0.0	109.9	258.3	357.2	390.2
105°	0.0	104.4	252.8	346.2	379.2
107.5°	5.5	104.4	241.8	340.7	373.7
110°	5.5	98.9	230.8	335.2	368.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.4	219.8	324.3	357.2
115°	5.5	93.4	214.3	307.8	346.2
117.5°	5.5	87.9	203.3	296.8	335.2
120°	5.5	87.9	197.9	285.8	318.8
122.5°	5.5	82.4	186.9	274.8	307.8
125°	5.5	76.9	181.4	263.8	296.8
127.5°	5.5	71.4	175.9	252.8	285.8
130°	5.5	66.0	164.9	241.8	269.3
132.5°	5.5	66.0	159.4	225.3	258.3
135°	5.5	60.5	148.4	214.3	241.8
137.5°	5.5	55.0	137.4	203.3	230.8
140°	5.5	49.5	126.4	192.4	214.3
142.5°	5.5	49.5	115.4	175.9	197.9
145°	5.5	44.0	104.4	164.9	181.4
147.5°	5.5	38.5	93.4	148.4	164.9
150°	5.5	38.5	82.4	131.9	148.4
152.5°	5.5	33.0	71.4	120.9	137.4
155°	5.5	27.5	66.0	104.4	120.9
157.5°	5.5	27.5	55.0	87.9	104.4
160°	5.5	22.0	49.5	71.4	87.9
162.5°	5.5	22.0	44.0	60.5	76.9
165°	5.5	16.5	33.0	49.5	60.5
167.5°	5.5	16.5	27.5	38.5	49.5
170°	5.5	11.0	22.0	27.5	38.5
172.5°	5.5	11.0	16.5	16.5	16.5
175°	5.5	5.5	11.0	11.0	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)