

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: P567268

Luminaire Tested: **8SNX-120SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LN-UNV-L840-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

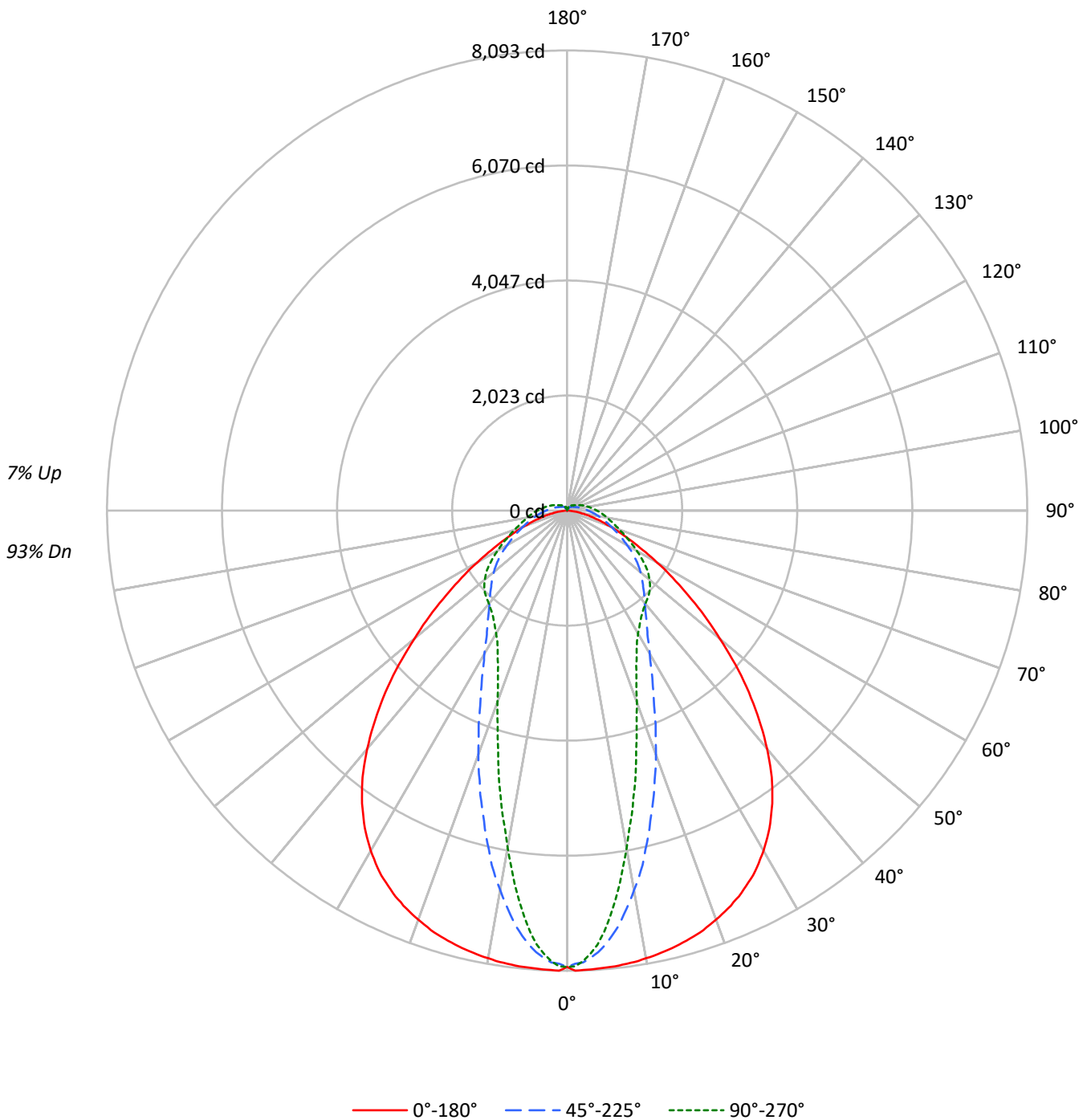
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12794.0 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: 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

TEST NUMBER: P567268
CATALOG NUMBER: 8SNX-120SL-LN-UNV-L840-CD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43196	43196	43196
5°	43499	39750	37993
10°	43519	34122	29477
15°	43580	27864	22093
20°	43526	22221	16534
25°	43220	17431	13122
30°	42409	14121	11193
35°	40728	11963	10181
40°	37780	10573	9636
45°	33695	9684	9339
50°	28651	8922	8823
55°	23645	8095	8057
60°	19017	7131	7068
65°	14876	6271	6150
70°	11676	5556	5440
75°	9186	5004	4956
80°	6691	4591	4607
85°	4015	4294	4419



TEST NUMBER: P567268

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.8	5.6
10°-20°	1666.0	13.0
20°-30°	1977.6	15.5
30°-40°	1989.7	15.6
40°-50°	1849.5	14.5
50°-60°	1522.9	11.9
60°-70°	1073.1	8.4
70°-80°	701.1	5.5
80°-90°	447.6	3.5
90°-100°	293.6	2.3
100°-110°	199.3	1.6
110°-120°	136.6	1.1
120°-130°	94.5	0.7
130°-140°	63.6	0.5
140°-150°	39.2	0.3
150°-160°	20.3	0.2
160°-170°	7.3	0.1
170°-180°	1.3	0.0
0°-30°	4354.4	34.0
0°-40°	6344.1	49.6
0°-60°	9716.5	75.9
0°-90°	11938.3	93.3
90°-120°	629.5	4.9
90°-150°	826.7	6.5
90°-180°	856.0	6.7
0°-180°	12794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8026	8026	8026	8026	8026	
5°	8066	7959	7671	7523	7443	768
15°	7865	7027	5652	4942	4674	2221
25°	7349	5431	3601	3024	2897	3382
35°	6289	3674	2441	2286	2273	3911
45°	4519	2421	1891	1991	2045	3469
55°	2595	1589	1462	1623	1676	2344
65°	1220	959	1006	1133	1173	1238
75°	476	496	677	798	831	515
85°	80	228	456	590	617	101
90°	0	154	369	503	523	5
95°	0	114	308	422	442	0
105°	0	80	208	295	322	0
115°	7	67	148	215	228	6
125°	7	54	121	154	168	6
135°	7	47	94	121	127	5
145°	7	34	67	94	101	4
155°	7	27	47	67	74	3
165°	7	13	27	34	40	2
175°	13	13	13	13	7	1
180°	7	7	7	7	7	



TEST NUMBER: P567268

CATALOG NUMBER: 8SNX-120SL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8026.1	8026.1	8026.1	8026.1	8026.1
1°	8093.1	8059.6	7972.4	8032.8	8019.4
2°	8086.4	8052.9	7952.3	7979.1	7932.2
3°	8079.7	8032.8	7878.5	7871.8	7804.8
4°	8073.0	7999.2	7784.7	7704.2	7650.6
5°	8066.3	7959.0	7670.7	7523.2	7442.7
6°	8059.6	7912.1	7523.2	7301.9	7187.9
7°	8046.2	7838.3	7369.0	7067.2	6919.7
8°	8032.8	7771.3	7174.5	6812.4	6631.4
9°	8019.4	7684.1	6980.1	6537.5	6323.0
10°	7992.5	7596.9	6778.9	6255.9	6027.9
11°	7979.1	7496.4	6584.5	5987.7	5719.5
12°	7952.3	7389.1	6376.6	5706.1	5471.4
13°	7925.5	7275.1	6121.8	5464.7	5183.1
14°	7898.7	7154.4	5900.5	5196.5	4935.0
15°	7865.1	7027.0	5652.4	4941.7	4673.5
16°	7831.6	6879.5	5431.2	4680.2	4398.6
17°	7798.1	6738.7	5223.3	4438.8	4184.0
18°	7757.9	6597.9	4981.9	4204.1	3956.0
19°	7704.2	6436.9	4787.5	3989.6	3761.6
20°	7657.3	6289.4	4566.2	3788.4	3587.3
21°	7603.6	6108.4	4344.9	3600.7	3399.5
22.5°	7523.2	5853.6	4063.3	3366.0	3178.2
23°	7482.9	5779.8	3949.3	3278.8	3117.9
24°	7429.3	5585.4	3761.6	3144.7	2983.8
25°	7348.8	5431.2	3600.7	3024.0	2896.6
26°	7275.1	5243.4	3439.7	2916.7	2789.3
27°	7201.3	5062.4	3298.9	2802.8	2695.5
28°	7107.5	4874.6	3144.7	2708.9	2615.0
29°	7006.9	4700.3	3017.3	2628.4	2554.7
30°	6906.3	4505.9	2910.0	2554.7	2494.3
32.5°	6624.7	4076.7	2635.1	2413.9	2373.6
35°	6289.4	3674.4	2440.7	2286.5	2273.0
37.5°	5913.9	3305.6	2266.3	2185.9	2199.3
40°	5471.4	2970.4	2118.8	2112.1	2138.9
42.5°	5002.0	2682.1	2004.8	2051.8	2092.0
45°	4519.3	2420.6	1890.9	1991.4	2045.1
47.5°	4016.4	2192.6	1790.3	1917.7	1978.0
50°	3506.8	1971.3	1683.0	1830.5	1890.9
52.5°	3050.8	1776.9	1575.7	1729.9	1797.0
55°	2594.9	1589.1	1461.7	1622.6	1676.3
57.5°	2199.3	1414.8	1341.0	1502.0	1542.2
60°	1830.5	1247.2	1220.3	1367.8	1414.8
62.5°	1495.2	1099.6	1106.3	1247.2	1294.1
65°	1220.3	958.8	1005.8	1133.2	1173.4



TEST NUMBER: P567268

CATALOG NUMBER: 8SNX-120SL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	992.4	824.7	905.2	1039.3	1072.8
70°	784.5	704.0	824.7	945.4	979.0
72.5°	623.6	596.8	744.3	871.7	898.5
75°	476.1	496.2	677.2	797.9	831.4
77.5°	342.0	415.7	610.2	737.6	764.4
80°	241.4	342.0	556.5	683.9	710.7
82.5°	154.2	281.6	502.9	637.0	663.8
85°	80.5	228.0	455.9	590.1	616.9
87.5°	33.5	187.7	409.0	543.1	569.9
90°	0.0	154.2	368.8	502.9	523.0
92.5°	0.0	134.1	335.3	462.7	482.8
95°	0.0	114.0	308.4	422.4	442.5
97.5°	0.0	107.3	274.9	388.9	409.0
100°	0.0	93.9	248.1	355.4	382.2
102.5°	0.0	87.2	228.0	321.8	348.7
105°	0.0	80.5	207.9	295.0	321.8
107.5°	0.0	73.8	194.4	274.9	295.0
110°	0.0	73.8	174.3	254.8	274.9
112.5°	6.7	67.1	160.9	228.0	248.1
115°	6.7	67.1	147.5	214.6	228.0
117.5°	6.7	67.1	140.8	194.4	207.9
120°	6.7	60.3	134.1	181.0	194.4
122.5°	6.7	60.3	127.4	167.6	174.3
125°	6.7	53.6	120.7	154.2	167.6
127.5°	6.7	53.6	114.0	147.5	154.2
130°	6.7	53.6	107.3	134.1	147.5
132.5°	6.7	46.9	100.6	127.4	134.1
135°	6.7	46.9	93.9	120.7	127.4
137.5°	6.7	40.2	87.2	114.0	120.7
140°	6.7	40.2	80.5	107.3	114.0
142.5°	6.7	33.5	73.8	100.6	107.3
145°	6.7	33.5	67.1	93.9	100.6
147.5°	6.7	33.5	60.3	87.2	93.9
150°	6.7	26.8	53.6	80.5	87.2
152.5°	6.7	26.8	46.9	73.8	80.5
155°	6.7	26.8	46.9	67.1	73.8
157.5°	6.7	20.1	40.2	53.6	67.1
160°	6.7	20.1	33.5	46.9	60.3
162.5°	6.7	20.1	33.5	40.2	46.9
165°	6.7	13.4	26.8	33.5	40.2
167.5°	6.7	13.4	20.1	26.8	33.5
170°	6.7	13.4	20.1	20.1	26.8
172.5°	6.7	13.4	13.4	13.4	13.4
175°	13.4	13.4	13.4	13.4	6.7
177.5°	13.4	13.4	13.4	6.7	6.7



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CATALOG NUMBER: 8SNX-120SL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)