

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: P567321

Luminaire Tested: **8SNX-126SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567321
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-126SL-LN-UNV-L950-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

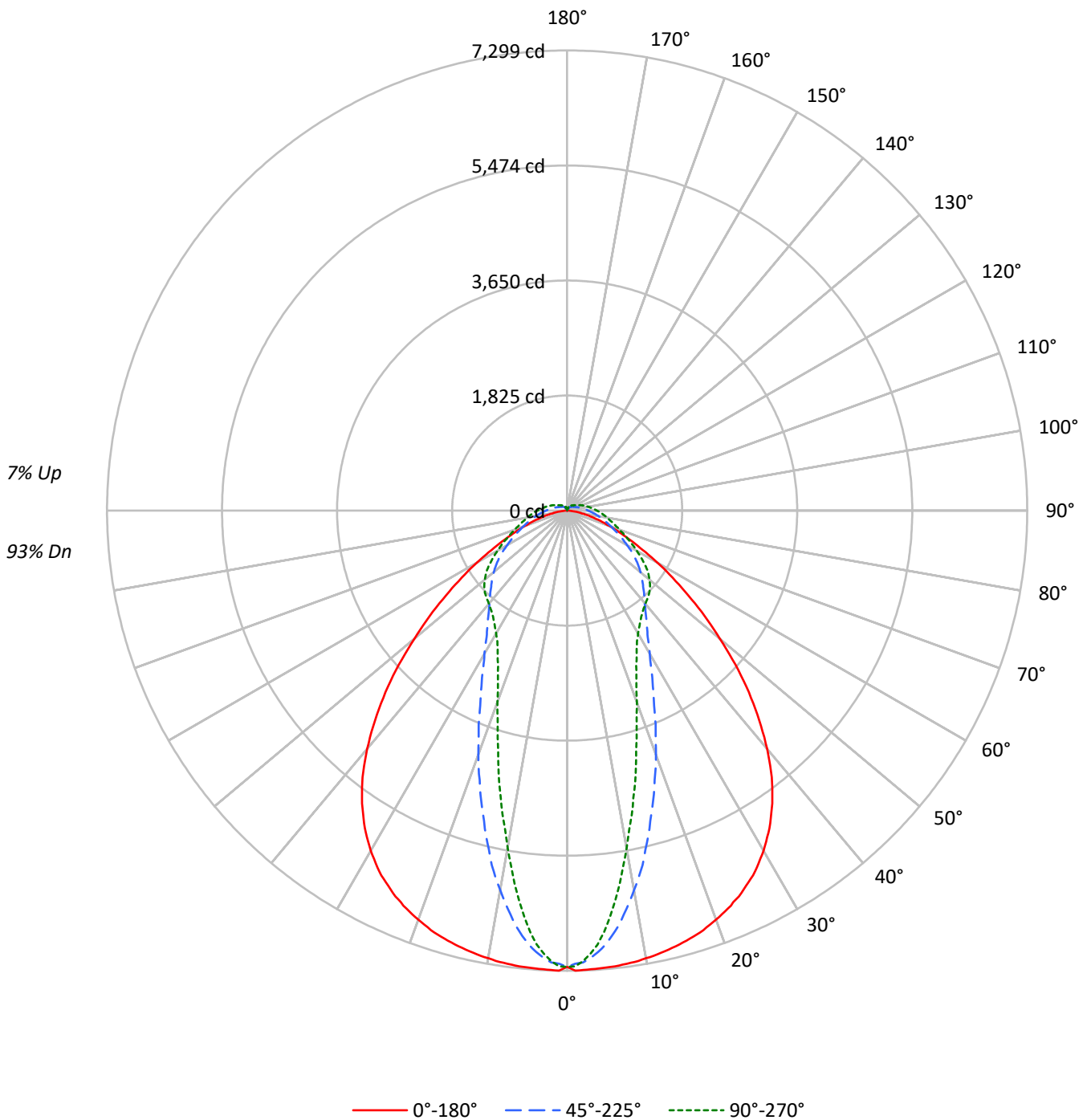
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11538.0 lumens
Efficiency: N/A
Efficacy: 129.9 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): 88.8
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	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°	38955	38955	38955
5°	39229	35848	34264
10°	39247	30772	26584
15°	39301	25129	19924
20°	39253	20039	14911
25°	38977	15719	11834
30°	38246	12735	10094
35°	36730	10789	9182
40°	34071	9535	8691
45°	30387	8733	8422
50°	25838	8046	7956
55°	21323	7300	7266
60°	17150	6431	6374
65°	13415	5655	5546
70°	10530	5011	4906
75°	8283	4512	4470
80°	6034	4140	4155
85°	3621	3873	3985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.0	5.6
10°-20°	1502.5	13.0
20°-30°	1783.5	15.5
30°-40°	1794.4	15.6
40°-50°	1667.9	14.5
50°-60°	1373.4	11.9
60°-70°	967.8	8.4
70°-80°	632.3	5.5
80°-90°	403.7	3.5
90°-100°	264.7	2.3
100°-110°	179.7	1.6
110°-120°	123.2	1.1
120°-130°	85.2	0.7
130°-140°	57.3	0.5
140°-150°	35.3	0.3
150°-160°	18.3	0.2
160°-170°	6.6	0.1
170°-180°	1.1	0.0
0°-30°	3926.9	34.0
0°-40°	5721.3	49.6
0°-60°	8762.6	75.9
0°-90°	10766.3	93.3
90°-120°	567.7	4.9
90°-150°	745.6	6.5
90°-180°	772.0	6.7
0°-180°	11538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7238	7238	7238	7238	7238	
5°	7274	7178	6918	6785	6712	692
15°	7093	6337	5098	4457	4215	2003
25°	6627	4898	3247	2727	2612	3050
35°	5672	3314	2201	2062	2050	3527
45°	4076	2183	1705	1796	1844	3129
55°	2340	1433	1318	1463	1512	2114
65°	1100	865	907	1022	1058	1117
75°	429	448	611	720	750	464
85°	73	206	411	532	556	91
90°	0	139	333	454	472	4
95°	0	103	278	381	399	0
105°	0	73	188	266	290	0
115°	6	60	133	194	206	5
125°	6	48	109	139	151	5
135°	6	42	85	109	115	5
145°	6	30	60	85	91	4
155°	6	24	42	60	66	3
165°	6	12	24	30	36	2
175°	12	12	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7238.1	7238.1	7238.1	7238.1	7238.1
1°	7298.6	7268.4	7189.8	7244.2	7232.1
2°	7292.6	7262.3	7171.6	7195.8	7153.5
3°	7286.5	7244.2	7105.1	7099.1	7038.6
4°	7280.5	7213.9	7020.4	6947.9	6899.5
5°	7274.4	7177.7	6917.6	6784.6	6712.1
6°	7268.4	7135.3	6784.6	6585.1	6482.3
7°	7256.3	7068.8	6645.5	6373.4	6240.4
8°	7244.2	7008.4	6470.2	6143.6	5980.4
9°	7232.1	6929.7	6294.8	5895.7	5702.2
10°	7207.9	6851.1	6113.4	5641.8	5436.2
11°	7195.8	6760.4	5938.1	5399.9	5158.0
12°	7171.6	6663.7	5750.6	5145.9	4934.3
13°	7147.4	6560.9	5520.8	4928.2	4674.2
14°	7123.2	6452.0	5321.3	4686.3	4450.5
15°	7093.0	6337.1	5097.5	4456.6	4214.7
16°	7062.8	6204.1	4898.0	4220.7	3966.8
17°	7032.5	6077.1	4710.5	4003.0	3773.3
18°	6996.3	5950.1	4492.8	3791.4	3567.7
19°	6947.9	5805.0	4317.5	3597.9	3392.3
20°	6905.6	5672.0	4117.9	3416.5	3235.1
21°	6857.2	5508.7	3918.4	3247.2	3065.8
22.5°	6784.6	5278.9	3664.4	3035.5	2866.2
23°	6748.3	5212.4	3561.6	2956.9	2811.8
24°	6700.0	5037.1	3392.3	2836.0	2690.9
25°	6627.4	4898.0	3247.2	2727.1	2612.3
26°	6560.9	4728.7	3102.1	2630.4	2515.5
27°	6494.4	4565.4	2975.1	2527.6	2430.9
28°	6409.7	4396.1	2836.0	2442.9	2358.3
29°	6319.0	4238.9	2721.1	2370.4	2303.9
30°	6228.3	4063.5	2624.4	2303.9	2249.4
32.5°	5974.3	3676.5	2376.4	2176.9	2140.6
35°	5672.0	3313.7	2201.1	2062.0	2049.9
37.5°	5333.4	2981.1	2043.9	1971.3	1983.4
40°	4934.3	2678.8	1910.8	1904.8	1929.0
42.5°	4511.0	2418.8	1808.0	1850.3	1886.6
45°	4075.6	2182.9	1705.2	1795.9	1844.3
47.5°	3622.1	1977.3	1614.5	1729.4	1783.8
50°	3162.5	1777.8	1517.8	1650.8	1705.2
52.5°	2751.3	1602.4	1421.0	1560.1	1620.6
55°	2340.1	1433.1	1318.2	1463.3	1511.7
57.5°	1983.4	1275.9	1209.4	1354.5	1390.8
60°	1650.8	1124.7	1100.5	1233.6	1275.9
62.5°	1348.5	991.7	997.7	1124.7	1167.1
65°	1100.5	864.7	907.0	1021.9	1058.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	894.9	743.8	816.3	937.3	967.5
70°	707.5	634.9	743.8	852.6	882.8
72.5°	562.4	538.2	671.2	786.1	810.3
75°	429.3	447.5	610.7	719.6	749.8
77.5°	308.4	374.9	550.3	665.2	689.3
80°	217.7	308.4	501.9	616.8	641.0
82.5°	139.1	254.0	453.5	574.5	598.6
85°	72.6	205.6	411.2	532.1	556.3
87.5°	30.2	169.3	368.9	489.8	514.0
90°	0.0	139.1	332.6	453.5	471.7
92.5°	0.0	120.9	302.3	417.2	435.4
95°	0.0	102.8	278.2	381.0	399.1
97.5°	0.0	96.8	247.9	350.7	368.9
100°	0.0	84.7	223.7	320.5	344.7
102.5°	0.0	78.6	205.6	290.3	314.4
105°	0.0	72.6	187.5	266.1	290.3
107.5°	0.0	66.5	175.4	247.9	266.1
110°	0.0	66.5	157.2	229.8	247.9
112.5°	6.0	60.5	145.1	205.6	223.7
115°	6.0	60.5	133.0	193.5	205.6
117.5°	6.0	60.5	127.0	175.4	187.5
120°	6.0	54.4	120.9	163.3	175.4
122.5°	6.0	54.4	114.9	151.2	157.2
125°	6.0	48.4	108.8	139.1	151.2
127.5°	6.0	48.4	102.8	133.0	139.1
130°	6.0	48.4	96.8	120.9	133.0
132.5°	6.0	42.3	90.7	114.9	120.9
135°	6.0	42.3	84.7	108.8	114.9
137.5°	6.0	36.3	78.6	102.8	108.8
140°	6.0	36.3	72.6	96.8	102.8
142.5°	6.0	30.2	66.5	90.7	96.8
145°	6.0	30.2	60.5	84.7	90.7
147.5°	6.0	30.2	54.4	78.6	84.7
150°	6.0	24.2	48.4	72.6	78.6
152.5°	6.0	24.2	42.3	66.5	72.6
155°	6.0	24.2	42.3	60.5	66.5
157.5°	6.0	18.1	36.3	48.4	60.5
160°	6.0	18.1	30.2	42.3	54.4
162.5°	6.0	18.1	30.2	36.3	42.3
165°	6.0	12.1	24.2	30.2	36.3
167.5°	6.0	12.1	18.1	24.2	30.2
170°	6.0	12.1	18.1	18.1	24.2
172.5°	6.0	12.1	12.1	12.1	12.1
175°	12.1	12.1	12.1	12.1	6.0
177.5°	12.1	12.1	12.1	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)