

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: P567312

Luminaire Tested: **8SNX-126SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-LC-UNV-L940-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

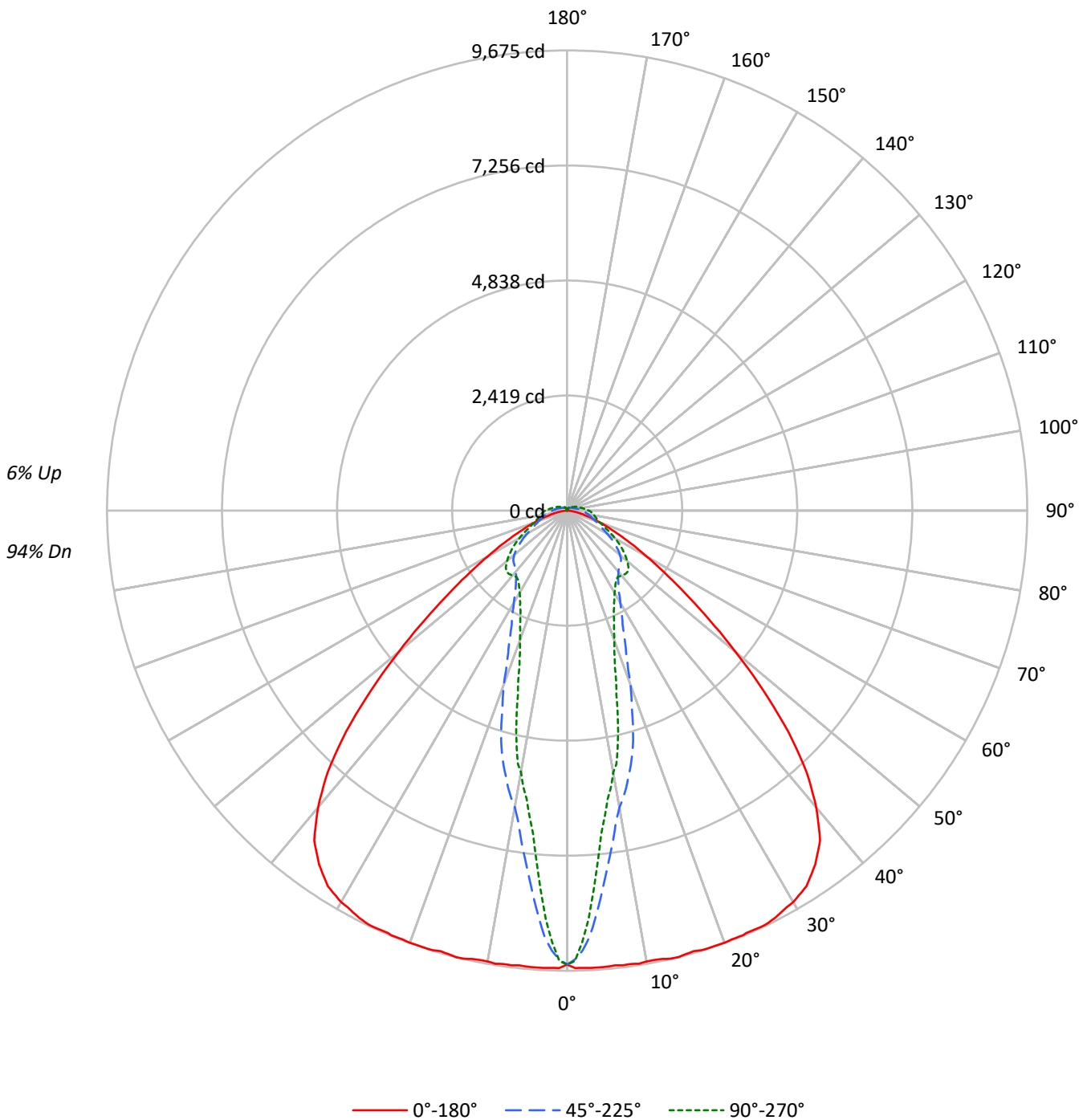
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11763.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51358	51358	51358
5°	51916	42235	37758
10°	52419	31921	27327
15°	53476	26121	18923
20°	54963	18921	13364
25°	56796	13570	10514
30°	58376	10853	8954
35°	58868	9190	8020
40°	56277	8363	8039
45°	48991	8089	8259
50°	37726	7702	7706
55°	27465	6744	6838
60°	20040	5636	5782
65°	14696	4773	4739
70°	10946	4224	4087
75°	7909	3920	3809
80°	5347	3680	3752
85°	2708	3520	3757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.5	6.4
10°-20°	1629.6	13.9
20°-30°	1865.4	15.9
30°-40°	1868.7	15.9
40°-50°	1769.0	15.0
50°-60°	1356.7	11.5
60°-70°	874.5	7.4
70°-80°	557.6	4.7
80°-90°	370.3	3.1
90°-100°	248.9	2.1
100°-110°	164.0	1.4
110°-120°	114.1	1.0
120°-130°	79.6	0.7
130°-140°	55.3	0.5
140°-150°	33.8	0.3
150°-160°	17.2	0.1
160°-170°	6.6	0.1
170°-180°	1.3	0.0
0°-30°	4245.5	36.1
0°-40°	6114.2	52.0
0°-60°	9239.9	78.6
0°-90°	11042.3	93.9
90°-120°	527.0	4.5
90°-150°	695.7	5.9
90°-180°	721.0	6.1
0°-180°	11763.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9543	9543	9543	9543	9543	
5°	9627	9097	8150	7602	7397	919
15°	9651	6951	5299	4352	4003	2737
25°	9657	4919	2803	2435	2321	4452
35°	9091	2737	1875	1814	1790	5640
45°	6571	1730	1579	1748	1808	4996
55°	3014	1236	1218	1368	1423	2772
65°	1206	778	766	874	904	1240
75°	410	422	530	609	639	451
85°	54	193	374	488	524	75
90°	0	133	314	434	452	2
95°	0	96	259	356	374	0
105°	0	72	169	241	259	4
115°	6	60	127	175	187	6
125°	6	54	108	127	133	5
135°	6	42	84	102	108	5
145°	6	30	60	78	84	4
155°	6	18	36	54	60	3
165°	12	12	24	30	36	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9542.7	9542.7	9542.7	9542.7	9542.7
1°	9621.1	9566.8	9440.2	9476.4	9470.4
2°	9621.1	9506.5	9259.4	9187.0	9078.5
3°	9627.1	9404.1	8982.1	8747.0	8596.3
4°	9627.1	9253.4	8572.2	8180.3	7987.4
5°	9627.1	9096.6	8150.2	7601.6	7396.7
6°	9615.1	8909.8	7722.2	7143.5	6836.0
7°	9633.1	8704.8	7336.4	6715.5	6474.3
8°	9627.1	8463.7	6980.7	6389.9	6124.7
9°	9645.2	8228.6	6594.9	6082.5	5883.6
10°	9627.1	8011.5	6341.7	5793.1	5588.2
11°	9627.1	7800.6	6160.9	5606.3	5431.5
12°	9639.2	7559.4	5961.9	5341.0	5099.9
13°	9669.3	7312.3	5732.9	5051.7	4768.3
14°	9675.3	7125.4	5521.9	4683.9	4388.6
15°	9651.2	6950.6	5298.8	4352.4	4002.8
16°	9639.2	6769.7	5033.6	4038.9	3725.5
17°	9663.3	6558.7	4732.2	3719.4	3430.1
18°	9669.3	6365.8	4412.7	3478.3	3225.1
19°	9669.3	6215.1	4153.5	3255.3	3038.2
20°	9669.3	6070.4	3888.2	3086.5	2899.6
21°	9657.3	5889.6	3586.8	2911.6	2754.9
22.5°	9663.3	5552.0	3243.2	2706.7	2580.1
23°	9645.2	5467.6	3158.8	2652.4	2519.8
24°	9651.2	5226.5	2978.0	2543.9	2417.3
25°	9657.3	4919.1	2803.1	2435.4	2320.9
26°	9645.2	4671.9	2658.5	2332.9	2254.6
27°	9615.1	4473.0	2556.0	2248.5	2176.2
28°	9572.9	4207.7	2447.5	2176.2	2109.9
29°	9530.7	3906.3	2339.0	2097.8	2049.6
30°	9506.5	3665.2	2236.5	2037.5	1995.4
32.5°	9361.9	3188.9	2025.5	1917.0	1880.8
35°	9090.6	2736.8	1874.8	1814.5	1790.4
37.5°	8734.9	2387.2	1760.2	1748.2	1754.2
40°	8150.2	2109.9	1675.9	1730.1	1784.4
42.5°	7450.9	1892.9	1615.6	1748.2	1808.5
45°	6570.8	1730.1	1579.4	1748.2	1808.5
47.5°	5594.2	1597.5	1537.2	1687.9	1748.2
50°	4617.6	1476.9	1452.8	1597.5	1651.7
52.5°	3755.6	1362.4	1344.3	1482.9	1537.2
55°	3014.1	1235.8	1217.7	1368.4	1422.7
57.5°	2417.3	1115.2	1097.1	1235.8	1290.0
60°	1929.0	994.7	964.5	1103.2	1157.4
62.5°	1537.2	880.1	862.0	982.6	1030.8
65°	1205.6	777.6	765.6	874.1	904.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	952.5	681.2	687.2	777.6	813.8
70°	735.4	590.8	626.9	711.3	735.4
72.5°	554.6	500.3	578.7	651.1	681.2
75°	409.9	422.0	530.5	608.9	639.0
77.5°	283.3	349.6	488.3	572.7	602.8
80°	192.9	283.3	446.1	542.5	578.7
82.5°	114.5	235.1	409.9	512.4	554.6
85°	54.3	192.9	373.8	488.3	524.5
87.5°	18.1	156.7	337.6	464.2	494.3
90°	0.0	132.6	313.5	434.0	452.1
92.5°	0.0	114.5	283.3	397.9	409.9
95°	0.0	96.5	259.2	355.7	373.8
97.5°	0.0	90.4	241.1	319.5	343.6
100°	0.0	84.4	217.0	289.4	313.5
102.5°	0.0	72.3	192.9	259.2	283.3
105°	0.0	72.3	168.8	241.1	259.2
107.5°	6.0	66.3	156.7	217.0	241.1
110°	6.0	66.3	138.6	205.0	223.0
112.5°	6.0	66.3	132.6	186.9	211.0
115°	6.0	60.3	126.6	174.8	186.9
117.5°	6.0	60.3	120.6	156.7	168.8
120°	6.0	54.3	114.5	144.7	150.7
122.5°	6.0	54.3	108.5	132.6	138.6
125°	6.0	54.3	108.5	126.6	132.6
127.5°	6.0	48.2	102.5	120.6	120.6
130°	6.0	48.2	96.5	114.5	114.5
132.5°	6.0	42.2	90.4	108.5	114.5
135°	6.0	42.2	84.4	102.5	108.5
137.5°	6.0	36.2	78.4	96.5	102.5
140°	6.0	36.2	72.3	90.4	96.5
142.5°	6.0	30.1	66.3	84.4	90.4
145°	6.0	30.1	60.3	78.4	84.4
147.5°	6.0	30.1	54.3	72.3	78.4
150°	6.0	24.1	48.2	66.3	72.3
152.5°	6.0	24.1	42.2	60.3	66.3
155°	6.0	18.1	36.2	54.3	60.3
157.5°	6.0	18.1	36.2	48.2	54.3
160°	12.1	18.1	30.1	42.2	48.2
162.5°	6.0	12.1	30.1	36.2	42.2
165°	12.1	12.1	24.1	30.1	36.2
167.5°	12.1	12.1	18.1	24.1	30.1
170°	12.1	12.1	18.1	18.1	24.1
172.5°	12.1	12.1	12.1	18.1	12.1
175°	12.1	12.1	12.1	12.1	6.0
177.5°	12.1	12.1	12.1	12.1	6.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	12.1	12.1	12.1	12.1	12.1

(END OF REPORT)