

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: P567320

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567320
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-L940-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

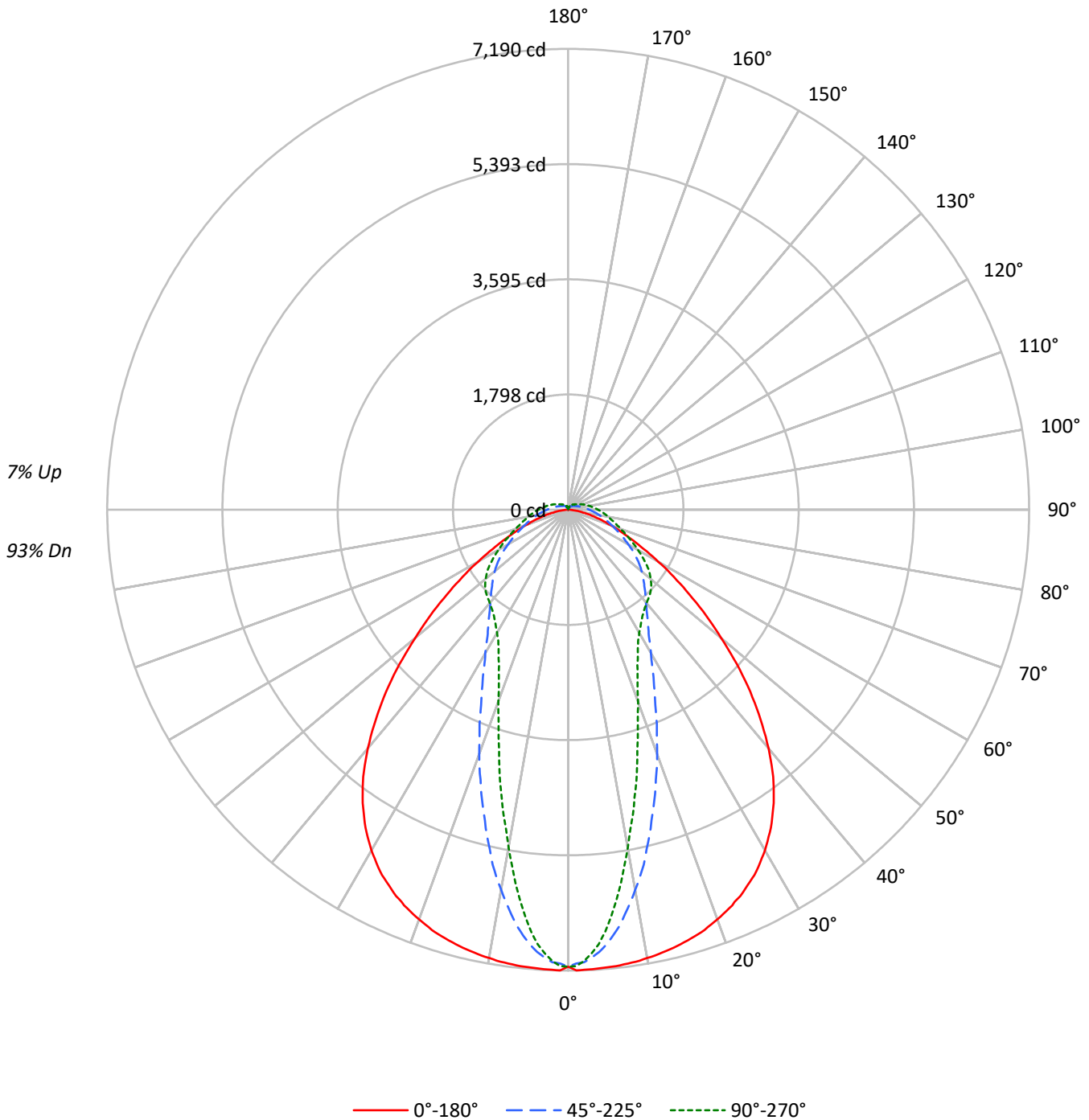
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11366.0 lumens
Efficiency: N/A
Efficacy: 128.0 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°	38374	38374	38374
5°	38644	35313	33753
10°	38662	30313	26187
15°	38716	24754	19627
20°	38668	19740	14688
25°	38396	15485	11657
30°	37676	12545	9943
35°	36182	10628	9045
40°	33563	9393	8561
45°	29935	8603	8297
50°	25453	7926	7838
55°	21006	7192	7158
60°	16895	6335	6279
65°	13215	5571	5464
70°	10373	4936	4833
75°	8159	4445	4403
80°	5943	4078	4093
85°	3566	3815	3926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.4	5.6
10°-20°	1480.1	13.0
20°-30°	1756.9	15.5
30°-40°	1767.6	15.6
40°-50°	1643.1	14.5
50°-60°	1353.0	11.9
60°-70°	953.4	8.4
70°-80°	622.8	5.5
80°-90°	397.7	3.5
90°-100°	260.8	2.3
100°-110°	177.0	1.6
110°-120°	121.3	1.1
120°-130°	84.0	0.7
130°-140°	56.5	0.5
140°-150°	34.8	0.3
150°-160°	18.1	0.2
160°-170°	6.5	0.1
170°-180°	1.1	0.0
0°-30°	3868.4	34.0
0°-40°	5636.0	49.6
0°-60°	8632.0	75.9
0°-90°	10605.9	93.3
90°-120°	559.2	4.9
90°-150°	734.4	6.5
90°-180°	760.0	6.7
0°-180°	11366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7130	7130	7130	7130	7130	
5°	7166	7071	6814	6684	6612	682
15°	6987	6243	5022	4390	4152	1973
25°	6529	4825	3199	2686	2573	3004
35°	5587	3264	2168	2031	2019	3475
45°	4015	2150	1680	1769	1817	3082
55°	2305	1412	1299	1442	1489	2082
65°	1084	852	894	1007	1042	1100
75°	423	441	602	709	739	457
85°	72	202	405	524	548	90
90°	0	137	328	447	465	4
95°	0	101	274	375	393	0
105°	0	72	185	262	286	0
115°	6	60	131	191	202	5
125°	6	48	107	137	149	5
135°	6	42	83	107	113	5
145°	6	30	60	83	89	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°	7130.2	7130.2	7130.2	7130.2	7130.2
1°	7189.8	7160.0	7082.6	7136.2	7124.3
2°	7183.8	7154.1	7064.7	7088.5	7046.8
3°	7177.9	7136.2	6999.2	6993.2	6933.7
4°	7171.9	7106.4	6915.8	6844.3	6796.7
5°	7166.0	7070.7	6814.5	6683.5	6612.0
6°	7160.0	7029.0	6683.5	6486.9	6385.6
7°	7148.1	6963.4	6546.5	6278.4	6147.4
8°	7136.2	6903.9	6373.7	6052.1	5891.2
9°	7124.3	6826.4	6201.0	5807.8	5617.2
10°	7100.4	6749.0	6022.3	5557.6	5355.1
11°	7088.5	6659.6	5849.5	5319.4	5081.1
12°	7064.7	6564.3	5664.9	5069.2	4860.7
13°	7040.9	6463.1	5438.5	4854.8	4604.6
14°	7017.1	6355.9	5241.9	4616.5	4384.2
15°	6987.3	6242.7	5021.5	4390.1	4151.9
16°	6957.5	6111.6	4825.0	4157.8	3907.6
17°	6927.7	5986.5	4640.3	3943.4	3717.0
18°	6892.0	5861.4	4425.9	3734.9	3514.5
19°	6844.3	5718.5	4253.1	3544.3	3341.7
20°	6802.6	5587.4	4056.5	3365.6	3186.9
21°	6755.0	5426.6	3860.0	3198.8	3020.1
22.5°	6683.5	5200.2	3609.8	2990.3	2823.5
23°	6647.7	5134.7	3508.5	2912.9	2769.9
24°	6600.1	4962.0	3341.7	2793.7	2650.8
25°	6528.6	4825.0	3198.8	2686.5	2573.3
26°	6463.1	4658.2	3055.8	2591.2	2478.0
27°	6397.6	4497.3	2930.7	2489.9	2394.6
28°	6314.2	4330.6	2793.7	2406.5	2323.1
29°	6224.8	4175.7	2680.5	2335.0	2269.5
30°	6135.5	4002.9	2585.2	2269.5	2215.9
32.5°	5885.3	3621.7	2341.0	2144.4	2108.7
35°	5587.4	3264.3	2168.3	2031.3	2019.3
37.5°	5253.9	2936.7	2013.4	1941.9	1953.8
40°	4860.7	2638.8	1882.3	1876.4	1900.2
42.5°	4443.7	2382.7	1781.1	1822.8	1858.5
45°	4014.9	2150.4	1679.8	1769.2	1816.8
47.5°	3568.1	1947.9	1590.5	1703.6	1757.2
50°	3115.4	1751.3	1495.1	1626.2	1679.8
52.5°	2710.3	1578.5	1399.8	1536.8	1596.4
55°	2305.3	1411.8	1298.6	1441.5	1489.2
57.5°	1953.8	1256.9	1191.4	1334.3	1370.1
60°	1626.2	1108.0	1084.1	1215.2	1256.9
62.5°	1328.4	976.9	982.9	1108.0	1149.7
65°	1084.1	851.8	893.5	1006.7	1042.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	881.6	732.7	804.2	923.3	953.1
70°	696.9	625.5	732.7	839.9	869.7
72.5°	554.0	530.2	661.2	774.4	798.2
75°	422.9	440.8	601.6	708.9	738.6
77.5°	303.8	369.3	542.1	655.2	679.1
80°	214.4	303.8	494.4	607.6	631.4
82.5°	137.0	250.2	446.8	565.9	589.7
85°	71.5	202.5	405.1	524.2	548.0
87.5°	29.8	166.8	363.4	482.5	506.3
90°	0.0	137.0	327.6	446.8	464.6
92.5°	0.0	119.1	297.8	411.0	428.9
95°	0.0	101.3	274.0	375.3	393.1
97.5°	0.0	95.3	244.2	345.5	363.4
100°	0.0	83.4	220.4	315.7	339.5
102.5°	0.0	77.4	202.5	285.9	309.8
105°	0.0	71.5	184.7	262.1	285.9
107.5°	0.0	65.5	172.7	244.2	262.1
110°	0.0	65.5	154.9	226.4	244.2
112.5°	6.0	59.6	143.0	202.5	220.4
115°	6.0	59.6	131.0	190.6	202.5
117.5°	6.0	59.6	125.1	172.7	184.7
120°	6.0	53.6	119.1	160.8	172.7
122.5°	6.0	53.6	113.2	148.9	154.9
125°	6.0	47.7	107.2	137.0	148.9
127.5°	6.0	47.7	101.3	131.0	137.0
130°	6.0	47.7	95.3	119.1	131.0
132.5°	6.0	41.7	89.4	113.2	119.1
135°	6.0	41.7	83.4	107.2	113.2
137.5°	6.0	35.7	77.4	101.3	107.2
140°	6.0	35.7	71.5	95.3	101.3
142.5°	6.0	29.8	65.5	89.4	95.3
145°	6.0	29.8	59.6	83.4	89.4
147.5°	6.0	29.8	53.6	77.4	83.4
150°	6.0	23.8	47.7	71.5	77.4
152.5°	6.0	23.8	41.7	65.5	71.5
155°	6.0	23.8	41.7	59.6	65.5
157.5°	6.0	17.9	35.7	47.7	59.6
160°	6.0	17.9	29.8	41.7	53.6
162.5°	6.0	17.9	29.8	35.7	41.7
165°	6.0	11.9	23.8	29.8	35.7
167.5°	6.0	11.9	17.9	23.8	29.8
170°	6.0	11.9	17.9	17.9	23.8
172.5°	6.0	11.9	11.9	11.9	11.9
175°	11.9	11.9	11.9	11.9	6.0
177.5°	11.9	11.9	11.9	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)