

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: P567305

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-FDL-UNV-L950-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

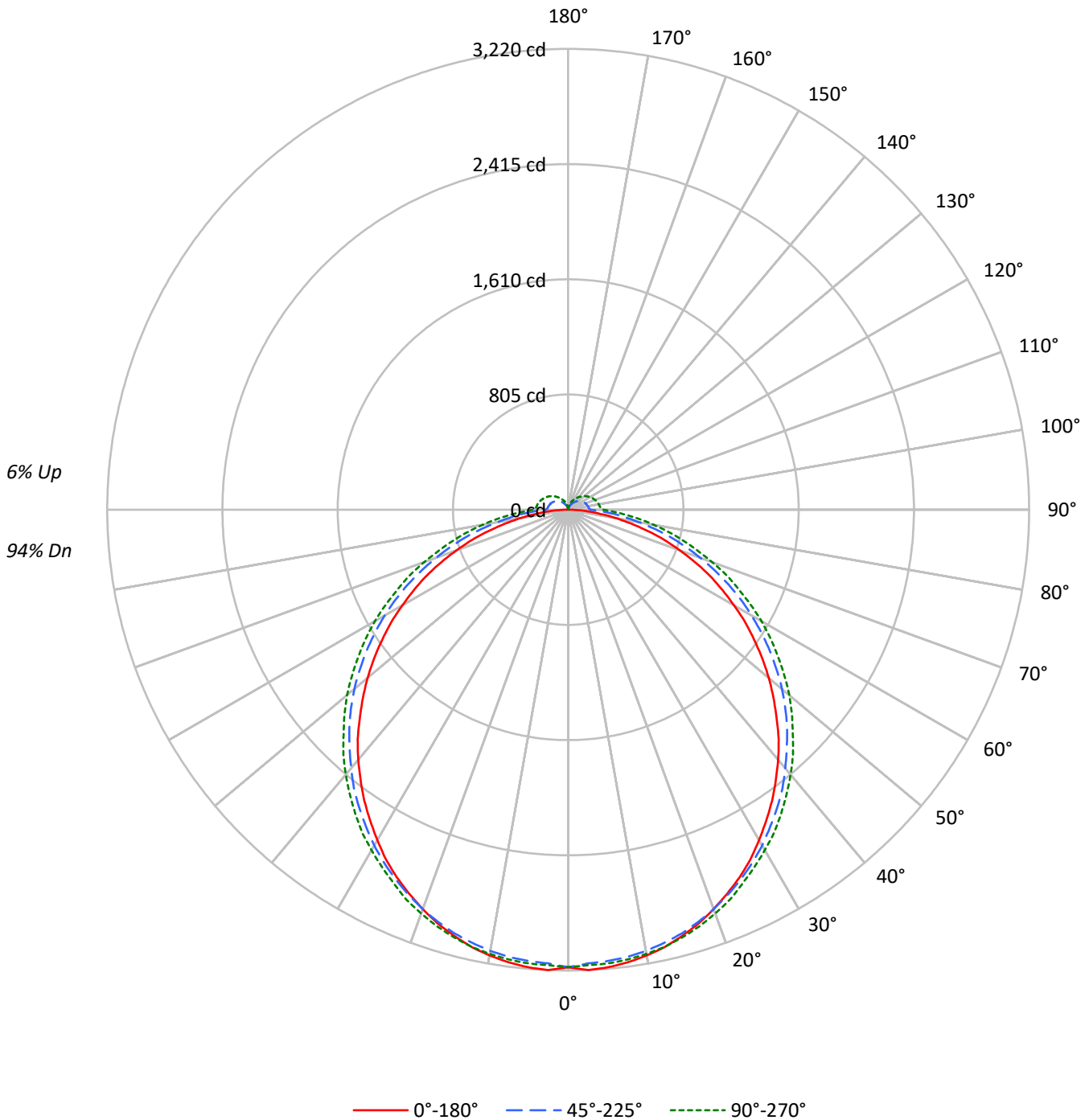
Lumens per Lamp: N/A
Luminaire Lumens: 10159.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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

TEST NUMBER: P567305

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L950-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17205	17205	17205
5°	17331	16926	16946
10°	17268	16748	16733
15°	17147	16542	16494
20°	16979	16291	16213
25°	16785	16014	15880
30°	16519	15733	15573
35°	16252	15402	15252
40°	15956	15037	14892
45°	15584	14675	14471
50°	15224	14262	14087
55°	14778	13751	13553
60°	14279	13166	13028
65°	13753	12467	12304
70°	12838	11588	11553
75°	11743	10552	10655
80°	10127	9176	9660
85°	8177	7997	8490



TEST NUMBER: P567305

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.2	3.0
10°-20°	870.0	8.6
20°-30°	1318.4	13.0
30°-40°	1591.6	15.7
40°-50°	1662.0	16.4
50°-60°	1526.9	15.0
60°-70°	1207.4	11.9
70°-80°	764.2	7.5
80°-90°	328.5	3.2
90°-100°	144.6	1.4
100°-110°	129.4	1.3
110°-120°	109.3	1.1
120°-130°	85.2	0.8
130°-140°	59.0	0.6
140°-150°	35.4	0.3
150°-160°	17.3	0.2
160°-170°	6.0	0.1
170°-180°	0.9	0.0
0°-30°	2491.6	24.5
0°-40°	4083.1	40.2
0°-60°	7272.0	71.6
0°-90°	9572.1	94.2
90°-120°	383.3	3.8
90°-150°	562.8	5.5
90°-180°	587.0	5.8
0°-180°	10159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3197	3197	3197	3197	3197	
5°	3209	3200	3166	3193	3182	305
15°	3082	3082	3066	3098	3092	869
25°	2833	2846	2850	2887	2882	1305
35°	2483	2511	2544	2583	2592	1552
45°	2058	2108	2162	2204	2218	1590
55°	1587	1652	1720	1776	1788	1420
65°	1092	1153	1234	1292	1312	1075
75°	576	644	738	801	831	610
85°	140	216	309	376	399	155
90°	9	77	158	221	245	12
95°	2	67	144	202	223	1
105°	2	61	135	189	209	2
115°	2	52	122	171	189	2
125°	4	47	102	148	164	3
135°	4	36	83	117	131	3
145°	4	27	58	88	97	2
155°	4	18	38	56	67	2
165°	5	13	20	27	38	2
175°	5	7	9	9	5	1
180°	5	5	5	5	5	



TEST NUMBER: P567305

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3196.8	3196.8	3196.8	3196.8	3196.8
2.5°	3220.2	3209.4	3173.5	3198.6	3186.1
5°	3209.4	3200.4	3166.3	3193.2	3182.5
7.5°	3189.7	3182.5	3151.9	3180.7	3169.9
10°	3162.7	3157.3	3130.3	3159.1	3151.9
12.5°	3128.5	3126.7	3099.7	3132.1	3126.7
15°	3081.7	3081.7	3065.5	3097.9	3092.5
17.5°	3031.3	3033.1	3020.5	3054.7	3051.1
20°	2970.2	2979.2	2970.2	3006.2	3002.6
22.5°	2903.6	2916.2	2912.6	2948.6	2950.4
25°	2833.4	2846.0	2849.6	2887.4	2882.0
27.5°	2756.1	2775.9	2783.1	2817.3	2815.5
30°	2666.1	2693.1	2709.3	2738.1	2747.1
32.5°	2574.4	2606.8	2626.6	2666.1	2676.9
35°	2482.6	2511.4	2543.8	2583.4	2592.4
37.5°	2381.9	2414.3	2457.5	2495.2	2506.0
40°	2281.1	2317.1	2358.5	2399.9	2416.1
42.5°	2176.8	2214.6	2259.6	2308.1	2324.3
45°	2058.1	2108.4	2162.4	2203.8	2218.2
47.5°	1944.7	2000.5	2058.1	2103.0	2119.2
50°	1829.6	1889.0	1950.1	1991.5	2016.7
52.5°	1709.1	1773.8	1835.0	1887.2	1903.4
55°	1586.7	1651.5	1719.9	1775.6	1788.2
57.5°	1468.0	1531.0	1599.3	1651.5	1676.7
60°	1338.5	1406.8	1480.6	1532.8	1559.7
62.5°	1212.5	1279.1	1358.3	1414.0	1435.6
65°	1092.0	1153.2	1234.1	1291.7	1311.5
67.5°	958.9	1029.0	1106.4	1173.0	1198.1
70°	827.5	894.1	982.3	1045.2	1070.4
72.5°	705.2	770.0	858.1	921.1	944.5
75°	575.7	644.0	737.6	800.6	831.1
77.5°	451.6	527.1	617.1	685.4	719.6
80°	336.4	403.0	500.1	575.7	606.3
82.5°	228.5	300.4	401.2	471.3	505.5
85°	140.3	215.9	309.4	376.0	399.4
87.5°	66.6	138.5	224.9	289.6	318.4
90°	9.0	77.4	158.3	221.3	244.7
92.5°	1.8	66.6	145.7	205.1	226.7
95°	1.8	66.6	143.9	201.5	223.1
97.5°	1.8	64.8	142.1	199.7	219.5
100°	1.8	63.0	140.3	196.1	217.7
102.5°	1.8	63.0	136.7	192.5	212.3
105°	1.8	61.2	134.9	188.9	208.7
107.5°	1.8	59.4	131.3	185.3	205.1
110°	1.8	55.8	129.5	179.9	199.7



TEST NUMBER: P567305

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	54.0	125.9	176.3	194.3
115°	1.8	52.2	122.3	170.9	188.9
117.5°	1.8	50.4	116.9	165.5	183.5
120°	3.6	50.4	113.3	160.1	176.3
122.5°	3.6	48.6	107.9	152.9	169.1
125°	3.6	46.8	102.5	147.5	163.7
127.5°	3.6	45.0	97.1	140.3	154.7
130°	3.6	41.4	93.5	133.1	147.5
132.5°	3.6	39.6	88.2	124.1	138.5
135°	3.6	36.0	82.8	116.9	131.3
137.5°	3.6	34.2	77.4	109.7	122.3
140°	3.6	32.4	70.2	102.5	115.1
142.5°	3.6	28.8	64.8	95.3	106.1
145°	3.6	27.0	57.6	88.2	97.1
147.5°	3.6	23.4	52.2	81.0	90.0
150°	3.6	21.6	46.8	73.8	82.8
152.5°	3.6	19.8	41.4	64.8	73.8
155°	3.6	18.0	37.8	55.8	66.6
157.5°	3.6	16.2	32.4	48.6	59.4
160°	5.4	14.4	28.8	41.4	50.4
162.5°	5.4	12.6	23.4	34.2	45.0
165°	5.4	12.6	19.8	27.0	37.8
167.5°	5.4	10.8	16.2	21.6	30.6
170°	5.4	9.0	14.4	16.2	23.4
172.5°	5.4	7.2	10.8	10.8	12.6
175°	5.4	7.2	9.0	9.0	5.4
177.5°	5.4	5.4	5.4	5.4	3.6
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)