

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: P567301

Luminaire Tested: **8SNX-126SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567301
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-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

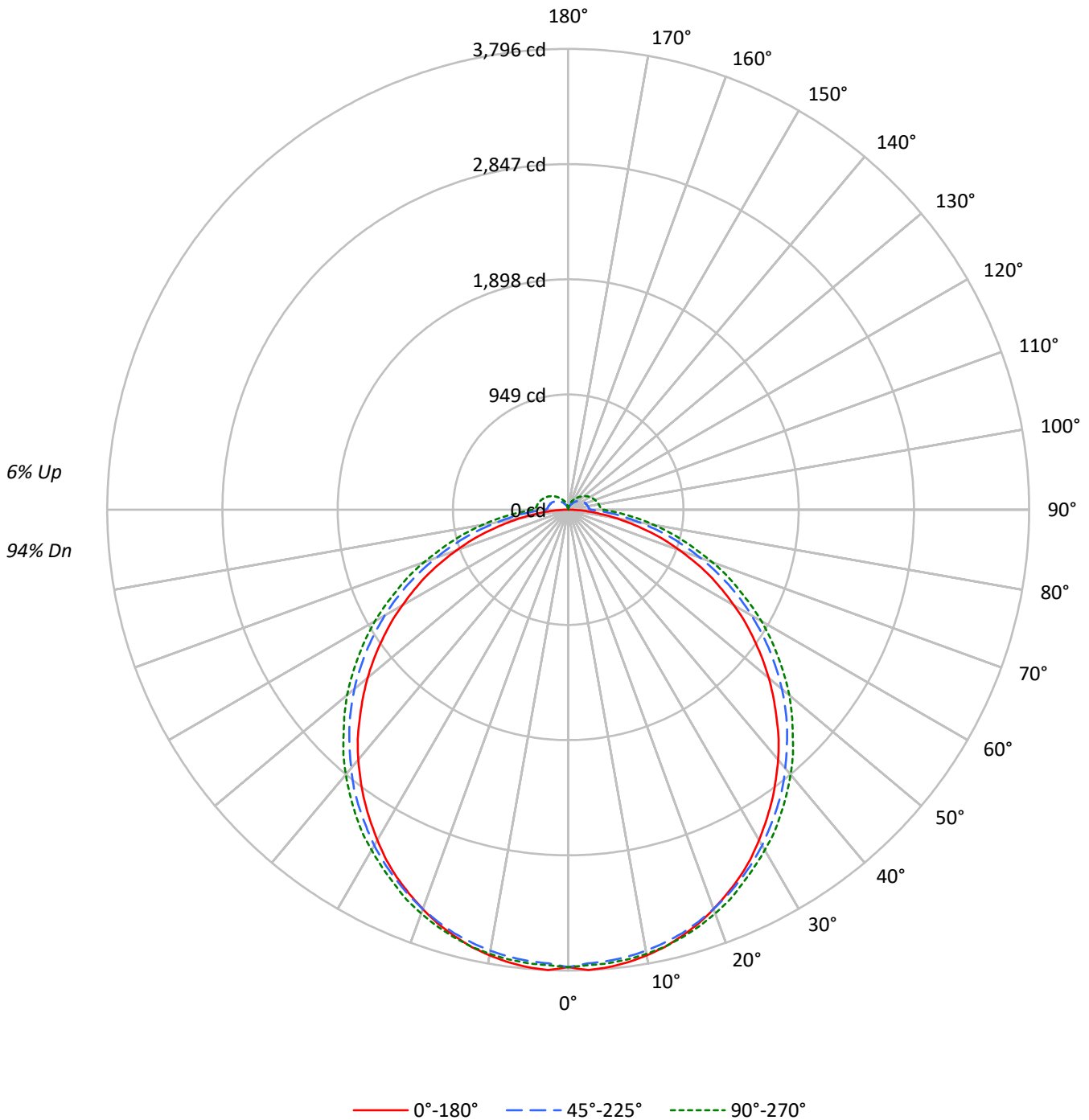
Lumens per Lamp: N/A
Luminaire Lumens: 11975.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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

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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	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°	20281	20281	20281
5°	20429	19952	19975
10°	20355	19742	19724
15°	20212	19499	19443
20°	20014	19203	19111
25°	19785	18877	18719
30°	19472	18545	18357
35°	19157	18156	17979
40°	18809	17724	17554
45°	18369	17299	17058
50°	17946	16812	16606
55°	17421	16209	15976
60°	16830	15519	15357
65°	16211	14695	14503
70°	15134	13658	13619
75°	13842	12437	12560
80°	11939	10816	11386
85°	9640	9426	10008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	3.0
10°-20°	1025.5	8.6
20°-30°	1554.1	13.0
30°-40°	1876.1	15.7
40°-50°	1959.1	16.4
50°-60°	1799.8	15.0
60°-70°	1423.3	11.9
70°-80°	900.7	7.5
80°-90°	387.2	3.2
90°-100°	170.4	1.4
100°-110°	152.5	1.3
110°-120°	128.8	1.1
120°-130°	100.4	0.8
130°-140°	69.5	0.6
140°-150°	41.7	0.3
150°-160°	20.4	0.2
160°-170°	7.1	0.1
170°-180°	1.0	0.0
0°-30°	2937.0	24.5
0°-40°	4813.0	40.2
0°-60°	8571.9	71.6
0°-90°	11283.1	94.2
90°-120°	451.7	3.8
90°-150°	663.4	5.5
90°-180°	692.0	5.8
0°-180°	11975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3768	3768	3768	3768	3768	
5°	3783	3772	3732	3764	3751	359
15°	3633	3633	3614	3652	3645	1025
25°	3340	3355	3359	3404	3397	1538
35°	2926	2960	2998	3045	3056	1829
45°	2426	2485	2549	2598	2615	1874
55°	1870	1947	2027	2093	2108	1673
65°	1287	1359	1455	1523	1546	1268
75°	679	759	869	944	980	719
85°	165	254	365	443	471	183
90°	11	91	187	261	288	14
95°	2	78	170	238	263	2
105°	2	72	159	223	246	2
115°	2	62	144	202	223	2
125°	4	55	121	174	193	4
135°	4	42	98	138	155	3
145°	4	32	68	104	114	3
155°	4	21	44	66	78	2
165°	6	15	23	32	44	2
175°	6	8	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3768.3	3768.3	3768.3	3768.3	3768.3
2.5°	3795.9	3783.2	3740.7	3770.4	3755.6
5°	3783.2	3772.5	3732.3	3764.1	3751.3
7.5°	3759.8	3751.3	3715.3	3749.2	3736.5
10°	3728.0	3721.7	3689.8	3723.8	3715.3
12.5°	3687.7	3685.6	3653.8	3692.0	3685.6
15°	3632.6	3632.6	3613.5	3651.7	3645.3
17.5°	3573.2	3575.3	3560.5	3600.8	3596.5
20°	3501.1	3511.7	3501.1	3543.5	3539.3
22.5°	3422.6	3437.5	3433.3	3475.7	3477.8
25°	3339.9	3354.8	3359.0	3403.6	3397.2
27.5°	3248.8	3272.1	3280.6	3320.9	3318.7
30°	3142.7	3174.5	3193.6	3227.6	3238.2
32.5°	3034.6	3072.8	3096.1	3142.7	3155.5
35°	2926.4	2960.4	2998.5	3045.2	3055.8
37.5°	2807.7	2845.8	2896.7	2941.3	2954.0
40°	2688.9	2731.3	2780.1	2828.9	2848.0
42.5°	2565.9	2610.5	2663.5	2720.7	2739.8
45°	2426.0	2485.3	2549.0	2597.7	2614.7
47.5°	2292.4	2358.1	2426.0	2479.0	2498.1
50°	2156.7	2226.6	2298.7	2347.5	2377.2
52.5°	2014.6	2090.9	2163.0	2224.5	2243.6
55°	1870.4	1946.7	2027.3	2093.0	2107.9
57.5°	1730.4	1804.6	1885.2	1946.7	1976.4
60°	1577.7	1658.3	1745.3	1806.8	1838.6
62.5°	1429.3	1507.7	1601.1	1666.8	1692.2
65°	1287.2	1359.3	1454.7	1522.6	1545.9
67.5°	1130.3	1213.0	1304.2	1382.6	1412.3
70°	975.5	1053.9	1157.8	1232.1	1261.8
72.5°	831.3	907.6	1011.5	1085.7	1113.3
75°	678.6	759.2	869.4	943.7	979.7
77.5°	532.3	621.3	727.4	807.9	848.2
80°	396.6	475.0	589.5	678.6	714.6
82.5°	269.3	354.1	472.9	555.6	595.9
85°	165.4	254.5	364.7	443.2	470.8
87.5°	78.5	163.3	265.1	341.4	375.3
90°	10.6	91.2	186.6	260.8	288.4
92.5°	2.1	78.5	171.8	241.7	267.2
95°	2.1	78.5	169.6	237.5	263.0
97.5°	2.1	76.3	167.5	235.4	258.7
100°	2.1	74.2	165.4	231.1	256.6
102.5°	2.1	74.2	161.2	226.9	250.2
105°	2.1	72.1	159.0	222.7	246.0
107.5°	2.1	70.0	154.8	218.4	241.7
110°	2.1	65.7	152.7	212.1	235.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	63.6	148.4	207.8	229.0
115°	2.1	61.5	144.2	201.5	222.7
117.5°	2.1	59.4	137.8	195.1	216.3
120°	4.2	59.4	133.6	188.7	207.8
122.5°	4.2	57.3	127.2	180.3	199.3
125°	4.2	55.1	120.9	173.9	193.0
127.5°	4.2	53.0	114.5	165.4	182.4
130°	4.2	48.8	110.3	156.9	173.9
132.5°	4.2	46.7	103.9	146.3	163.3
135°	4.2	42.4	97.5	137.8	154.8
137.5°	4.2	40.3	91.2	129.4	144.2
140°	4.2	38.2	82.7	120.9	135.7
142.5°	4.2	33.9	76.3	112.4	125.1
145°	4.2	31.8	67.9	103.9	114.5
147.5°	4.2	27.6	61.5	95.4	106.0
150°	4.2	25.4	55.1	86.9	97.5
152.5°	4.2	23.3	48.8	76.3	86.9
155°	4.2	21.2	44.5	65.7	78.5
157.5°	4.2	19.1	38.2	57.3	70.0
160°	6.4	17.0	33.9	48.8	59.4
162.5°	6.4	14.8	27.6	40.3	53.0
165°	6.4	14.8	23.3	31.8	44.5
167.5°	6.4	12.7	19.1	25.4	36.1
170°	6.4	10.6	17.0	19.1	27.6
172.5°	6.4	8.5	12.7	12.7	14.8
175°	6.4	8.5	10.6	10.6	6.4
177.5°	6.4	6.4	6.4	6.4	4.2
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)