

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: P567325

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-LW-UNV-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

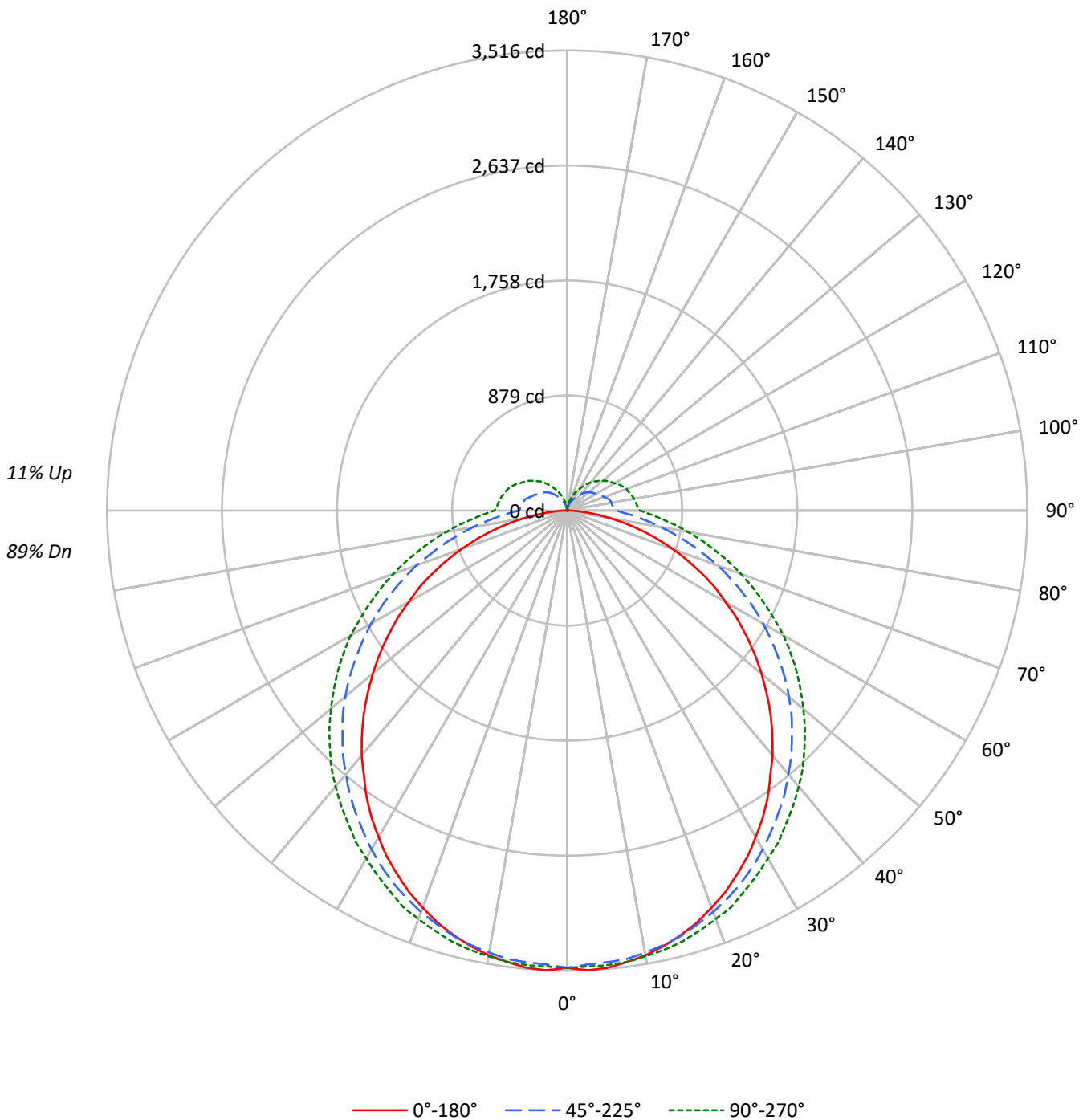
Lumens per Lamp: N/A
Luminaire Lumens: 12438.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18804	18804	18804
5°	18919	17956	17799
10°	18788	17260	16909
15°	18601	16584	16108
20°	18345	15880	15306
25°	18048	15205	14522
30°	17694	14507	13771
35°	17307	13806	13069
40°	16863	13121	12398
45°	16382	12433	11712
50°	15832	11725	10991
55°	15229	10932	10284
60°	14519	10103	9536
65°	13787	9208	8684
70°	12760	8251	7847
75°	11397	7132	6957
80°	9186	6002	6071
85°	6469	4953	5161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.9	2.7
10°-20°	953.9	7.7
20°-30°	1450.4	11.7
30°-40°	1760.6	14.2
40°-50°	1860.4	15.0
50°-60°	1740.9	14.0
60°-70°	1428.4	11.5
70°-80°	982.5	7.9
80°-90°	538.1	4.3
90°-100°	346.5	2.8
100°-110°	310.9	2.5
110°-120°	257.3	2.1
120°-130°	198.2	1.6
130°-140°	139.2	1.1
140°-150°	83.9	0.7
150°-160°	40.2	0.3
160°-170°	13.2	0.1
170°-180°	1.6	0.0
0°-30°	2736.1	22.0
0°-40°	4496.7	36.2
0°-60°	8098.1	65.1
0°-90°	11047.1	88.8
90°-120°	914.7	7.4
90°-150°	1336.0	10.7
90°-180°	1391.0	11.2
0°-180°	12438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3494	3494	3494	3494	3494	
5°	3508	3501	3465	3494	3487	333
15°	3357	3371	3364	3407	3407	947
25°	3069	3105	3141	3206	3206	1414
35°	2673	2738	2817	2896	2918	1670
45°	2197	2298	2428	2536	2565	1693
55°	1671	1808	1974	2096	2140	1496
65°	1131	1282	1477	1614	1657	1120
75°	591	749	965	1117	1167	622
85°	130	310	526	670	720	150
90°	0	173	367	504	555	9
95°	0	166	353	483	533	0
105°	0	137	331	454	497	5
115°	7	122	281	403	454	7
125°	7	101	238	346	389	6
135°	7	79	194	281	317	6
145°	7	58	137	216	238	5
155°	7	36	86	137	158	3
165°	7	22	43	65	79	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3493.9	3493.9	3493.9	3493.9	3493.9
2.5°	3515.5	3508.3	3472.3	3501.1	3486.7
5°	3508.3	3501.1	3465.0	3493.9	3486.7
7.5°	3479.5	3479.5	3457.8	3486.7	3479.5
10°	3450.6	3450.6	3429.0	3465.0	3457.8
12.5°	3407.4	3414.6	3400.2	3443.4	3436.2
15°	3357.0	3371.4	3364.2	3407.4	3407.4
17.5°	3299.4	3313.8	3313.8	3364.2	3364.2
20°	3227.3	3248.9	3263.3	3321.0	3321.0
22.5°	3155.3	3184.1	3205.7	3256.1	3277.7
25°	3068.8	3104.9	3140.9	3205.7	3205.7
27.5°	2982.4	3025.6	3068.8	3133.7	3140.9
30°	2881.5	2932.0	2989.6	3054.4	3068.8
32.5°	2780.7	2845.5	2903.1	2982.4	3004.0
35°	2672.6	2737.5	2816.7	2895.9	2917.6
37.5°	2550.2	2629.4	2730.3	2816.7	2838.3
40°	2442.1	2528.5	2629.4	2730.3	2751.9
42.5°	2319.6	2413.3	2535.8	2629.4	2665.4
45°	2197.2	2298.0	2427.7	2535.8	2564.6
47.5°	2067.5	2182.8	2326.8	2427.7	2463.7
50°	1937.8	2060.3	2211.6	2326.8	2355.7
52.5°	1808.2	1937.8	2096.3	2211.6	2247.6
55°	1671.3	1808.2	1973.9	2096.3	2139.5
57.5°	1541.6	1678.5	1851.4	1981.1	2024.3
60°	1397.5	1556.0	1728.9	1858.6	1909.0
62.5°	1275.1	1419.2	1606.5	1736.1	1779.3
65°	1131.0	1282.3	1476.8	1613.7	1656.9
67.5°	994.1	1152.6	1347.1	1491.2	1534.4
70°	857.3	1015.7	1224.7	1361.5	1412.0
72.5°	720.4	886.1	1087.8	1239.1	1289.5
75°	590.7	749.2	965.3	1116.6	1167.0
77.5°	453.8	626.7	842.8	994.1	1051.8
80°	331.4	511.5	727.6	878.9	936.5
82.5°	223.3	403.4	619.5	770.8	828.4
85°	129.7	309.8	525.9	670.0	720.4
87.5°	64.8	237.7	439.4	583.5	633.9
90°	0.0	172.9	367.4	504.3	554.7
92.5°	0.0	165.7	360.2	489.9	540.3
95°	0.0	165.7	353.0	482.7	533.1
97.5°	0.0	158.5	345.8	482.7	525.9
100°	0.0	151.3	345.8	475.5	518.7
102.5°	0.0	144.1	338.6	468.2	511.5
105°	0.0	136.9	331.4	453.8	497.1
107.5°	7.2	136.9	317.0	446.6	489.9
110°	7.2	129.7	302.6	439.4	482.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.2	122.5	288.2	425.0	468.2
115°	7.2	122.5	280.9	403.4	453.8
117.5°	7.2	115.3	266.5	389.0	439.4
120°	7.2	115.3	259.3	374.6	417.8
122.5°	7.2	108.1	244.9	360.2	403.4
125°	7.2	100.9	237.7	345.8	389.0
127.5°	7.2	93.6	230.5	331.4	374.6
130°	7.2	86.4	216.1	317.0	353.0
132.5°	7.2	86.4	208.9	295.4	338.6
135°	7.2	79.2	194.5	280.9	317.0
137.5°	7.2	72.0	180.1	266.5	302.6
140°	7.2	64.8	165.7	252.1	280.9
142.5°	7.2	64.8	151.3	230.5	259.3
145°	7.2	57.6	136.9	216.1	237.7
147.5°	7.2	50.4	122.5	194.5	216.1
150°	7.2	50.4	108.1	172.9	194.5
152.5°	7.2	43.2	93.6	158.5	180.1
155°	7.2	36.0	86.4	136.9	158.5
157.5°	7.2	36.0	72.0	115.3	136.9
160°	7.2	28.8	64.8	93.6	115.3
162.5°	7.2	28.8	57.6	79.2	100.9
165°	7.2	21.6	43.2	64.8	79.2
167.5°	7.2	21.6	36.0	50.4	64.8
170°	7.2	14.4	28.8	36.0	50.4
172.5°	7.2	14.4	21.6	21.6	21.6
175°	7.2	7.2	14.4	14.4	7.2
177.5°	7.2	7.2	7.2	7.2	7.2
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)