

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: P567333

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567333
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-SLW-UNV-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

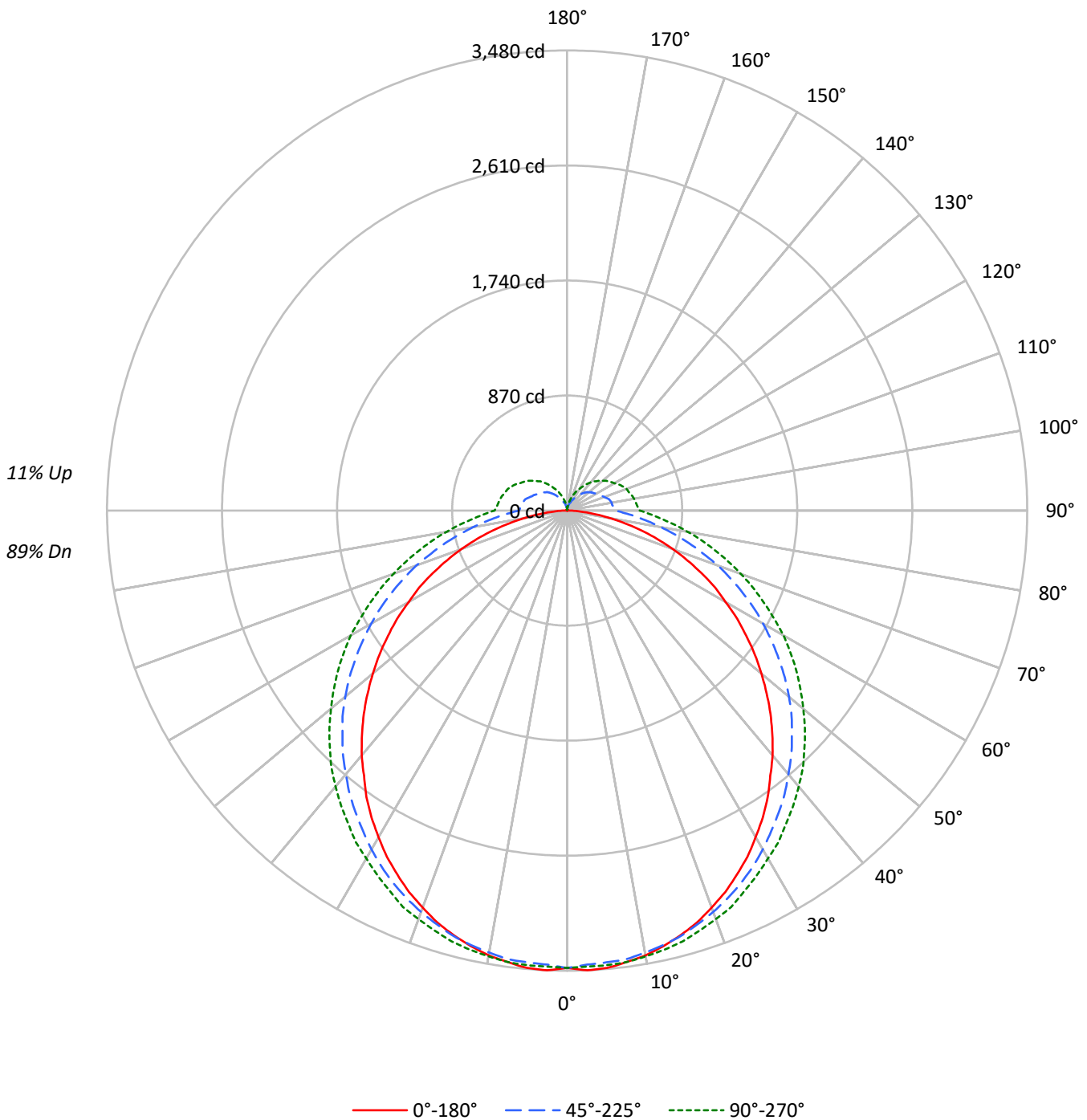
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12312.0 lumens
Efficiency: N/A
Efficacy: 138.6 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: 0.08')
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°	18614	18614	18614
5°	18744	18146	18119
10°	18633	17790	17671
15°	18464	17424	17258
20°	18228	17003	16798
25°	17952	16590	16317
30°	17620	16135	15841
35°	17257	15664	15396
40°	16837	15199	14968
45°	16384	14726	14506
50°	15865	14226	13989
55°	15297	13623	13481
60°	14628	12979	12914
65°	13946	12254	12200
70°	12983	11455	11501
75°	11705	10438	10729
80°	9601	9406	9966
85°	7088	8534	9184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.5	2.7
10°-20°	944.2	7.7
20°-30°	1435.7	11.7
30°-40°	1742.8	14.2
40°-50°	1841.6	15.0
50°-60°	1723.3	14.0
60°-70°	1414.0	11.5
70°-80°	972.5	7.9
80°-90°	532.6	4.3
90°-100°	343.0	2.8
100°-110°	307.8	2.5
110°-120°	254.7	2.1
120°-130°	196.1	1.6
130°-140°	137.8	1.1
140°-150°	83.0	0.7
150°-160°	39.8	0.3
160°-170°	13.1	0.1
170°-180°	1.6	0.0
0°-30°	2708.4	22.0
0°-40°	4451.1	36.2
0°-60°	8016.0	65.1
0°-90°	10935.2	88.8
90°-120°	905.4	7.4
90°-150°	1322.5	10.7
90°-180°	1377.0	11.2
0°-180°	12312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3458	3458	3458	3458	3458	
5°	3473	3466	3430	3458	3451	329
15°	3323	3337	3330	3373	3373	937
25°	3038	3073	3109	3173	3173	1400
35°	2646	2710	2788	2867	2888	1653
45°	2175	2275	2403	2510	2539	1676
55°	1654	1790	1954	2075	2118	1480
65°	1120	1269	1462	1597	1640	1109
75°	585	742	956	1105	1155	616
85°	128	307	521	663	713	148
90°	0	171	364	499	549	9
95°	0	164	349	478	528	0
105°	0	136	328	449	492	5
115°	7	121	278	399	449	7
125°	7	100	235	342	385	6
135°	7	78	192	278	314	5
145°	7	57	136	214	235	4
155°	7	36	86	136	157	3
165°	7	21	43	64	78	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°	3458.5	3458.5	3458.5	3458.5	3458.5
2.5°	3479.9	3472.7	3437.1	3465.6	3451.3
5°	3472.7	3465.6	3429.9	3458.5	3451.3
7.5°	3444.2	3444.2	3422.8	3451.3	3444.2
10°	3415.7	3415.7	3394.3	3429.9	3422.8
12.5°	3372.9	3380.0	3365.8	3408.6	3401.4
15°	3323.0	3337.2	3330.1	3372.9	3372.9
17.5°	3265.9	3280.2	3280.2	3330.1	3330.1
20°	3194.6	3216.0	3230.3	3287.3	3287.3
22.5°	3123.3	3151.8	3173.2	3223.2	3244.5
25°	3037.7	3073.4	3109.1	3173.2	3173.2
27.5°	2952.2	2995.0	3037.7	3101.9	3109.1
30°	2852.3	2902.3	2959.3	3023.5	3037.7
32.5°	2752.5	2816.7	2873.7	2952.2	2973.6
35°	2645.6	2709.7	2788.2	2866.6	2888.0
37.5°	2524.3	2602.8	2702.6	2788.2	2809.6
40°	2417.4	2502.9	2602.8	2702.6	2724.0
42.5°	2296.1	2388.8	2510.1	2602.8	2638.4
45°	2174.9	2274.7	2403.1	2510.1	2538.6
47.5°	2046.6	2160.7	2303.3	2403.1	2438.8
50°	1918.2	2039.4	2189.2	2303.3	2331.8
52.5°	1789.8	1918.2	2075.1	2189.2	2224.8
55°	1654.4	1789.8	1953.9	2075.1	2117.9
57.5°	1526.0	1661.5	1832.6	1961.0	2003.8
60°	1383.4	1540.3	1711.4	1839.8	1889.7
62.5°	1262.2	1404.8	1590.2	1718.5	1761.3
65°	1119.5	1269.3	1461.8	1597.3	1640.1
67.5°	984.1	1140.9	1333.5	1476.1	1518.9
70°	848.6	1005.5	1212.2	1347.7	1397.6
72.5°	713.1	877.1	1076.8	1226.5	1276.4
75°	584.7	741.6	955.5	1105.3	1155.2
77.5°	449.2	620.4	834.3	984.1	1041.1
80°	328.0	506.3	720.2	870.0	927.0
82.5°	221.1	399.3	613.3	763.0	820.0
85°	128.4	306.6	520.6	663.2	713.1
87.5°	64.2	235.3	435.0	577.6	627.5
90°	0.0	171.1	363.7	499.2	549.1
92.5°	0.0	164.0	356.5	484.9	534.8
95°	0.0	164.0	349.4	477.8	527.7
97.5°	0.0	156.9	342.3	477.8	520.6
100°	0.0	149.7	342.3	470.6	513.4
102.5°	0.0	142.6	335.2	463.5	506.3
105°	0.0	135.5	328.0	449.2	492.0
107.5°	7.1	135.5	313.8	442.1	484.9
110°	7.1	128.4	299.5	435.0	477.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.1	121.2	285.2	420.7	463.5
115°	7.1	121.2	278.1	399.3	449.2
117.5°	7.1	114.1	263.8	385.1	435.0
120°	7.1	114.1	256.7	370.8	413.6
122.5°	7.1	107.0	242.4	356.5	399.3
125°	7.1	99.8	235.3	342.3	385.1
127.5°	7.1	92.7	228.2	328.0	370.8
130°	7.1	85.6	213.9	313.8	349.4
132.5°	7.1	85.6	206.8	292.4	335.2
135°	7.1	78.4	192.5	278.1	313.8
137.5°	7.1	71.3	178.3	263.8	299.5
140°	7.1	64.2	164.0	249.6	278.1
142.5°	7.1	64.2	149.7	228.2	256.7
145°	7.1	57.0	135.5	213.9	235.3
147.5°	7.1	49.9	121.2	192.5	213.9
150°	7.1	49.9	107.0	171.1	192.5
152.5°	7.1	42.8	92.7	156.9	178.3
155°	7.1	35.7	85.6	135.5	156.9
157.5°	7.1	35.7	71.3	114.1	135.5
160°	7.1	28.5	64.2	92.7	114.1
162.5°	7.1	28.5	57.0	78.4	99.8
165°	7.1	21.4	42.8	64.2	78.4
167.5°	7.1	21.4	35.7	49.9	64.2
170°	7.1	14.3	28.5	35.7	49.9
172.5°	7.1	14.3	21.4	21.4	21.4
175°	7.1	7.1	14.3	14.3	7.1
177.5°	7.1	7.1	7.1	7.1	7.1
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)