

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: P567324

Luminaire Tested: **8SNX-126SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567324
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-L840-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

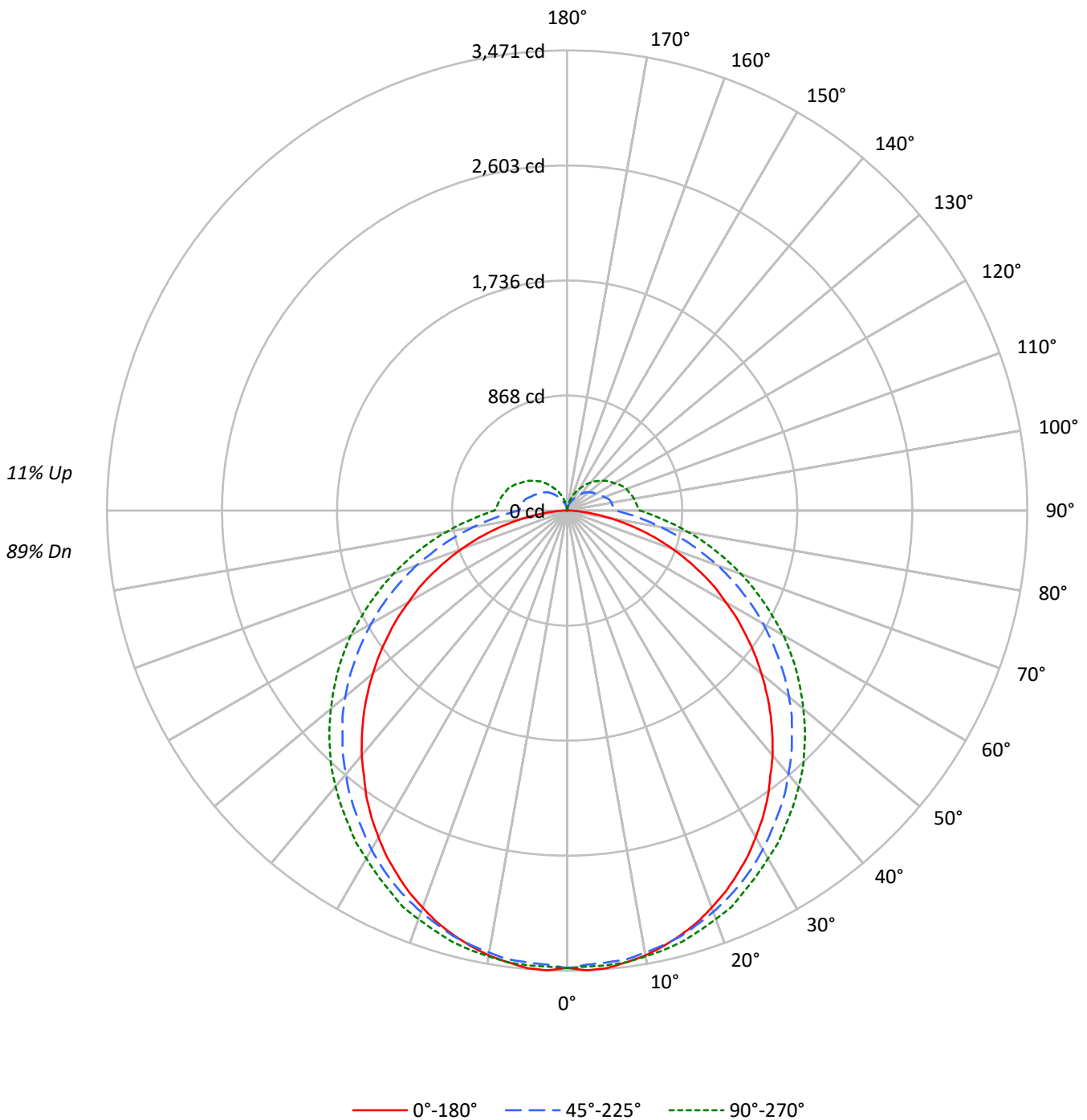
Lumens per Lamp: N/A
Luminaire Lumens: 12281.0 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 88.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P567324

CATALOG NUMBER: 8SNX-126SL-LW-UNV-L840-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	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	77	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°	18567	18567	18567
5°	18680	17730	17574
10°	18552	17042	16696
15°	18366	16375	15905
20°	18113	15680	15113
25°	17821	15013	14338
30°	17471	14324	13597
35°	17089	13632	12903
40°	16650	12955	12241
45°	16175	12277	11564
50°	15632	11577	10852
55°	15037	10793	10154
60°	14336	9975	9416
65°	13613	9091	8575
70°	12598	8147	7747
75°	11254	7042	6869
80°	9069	5926	5995
85°	6384	4890	5095



TEST NUMBER: P567324

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	2.7
10°-20°	941.8	7.7
20°-30°	1432.1	11.7
30°-40°	1738.4	14.2
40°-50°	1837.0	15.0
50°-60°	1719.0	14.0
60°-70°	1410.4	11.5
70°-80°	970.1	7.9
80°-90°	531.3	4.3
90°-100°	342.1	2.8
100°-110°	307.0	2.5
110°-120°	254.1	2.1
120°-130°	195.7	1.6
130°-140°	137.5	1.1
140°-150°	82.8	0.7
150°-160°	39.7	0.3
160°-170°	13.0	0.1
170°-180°	1.6	0.0
0°-30°	2701.5	22.0
0°-40°	4439.9	36.2
0°-60°	7995.8	65.1
0°-90°	10907.6	88.8
90°-120°	903.2	7.4
90°-150°	1319.1	10.7
90°-180°	1373.0	11.2
0°-180°	12281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3450	3450	3450	3450	3450	
5°	3464	3457	3421	3450	3443	328
15°	3315	3329	3322	3364	3364	935
25°	3030	3066	3101	3165	3165	1396
35°	2639	2703	2781	2859	2881	1648
45°	2169	2269	2397	2504	2532	1672
55°	1650	1785	1949	2070	2112	1477
65°	1117	1266	1458	1593	1636	1106
75°	583	740	953	1102	1152	614
85°	128	306	519	662	711	148
90°	0	171	363	498	548	9
95°	0	164	348	477	526	0
105°	0	135	327	448	491	5
115°	7	121	277	398	448	7
125°	7	100	235	341	384	6
135°	7	78	192	277	313	5
145°	7	57	135	213	235	4
155°	7	36	85	135	156	3
165°	7	21	43	64	78	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



TEST NUMBER: P567324

CATALOG NUMBER: 8SNX-126SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3449.8	3449.8	3449.8	3449.8	3449.8
2.5°	3471.1	3464.0	3428.4	3456.9	3442.6
5°	3464.0	3456.9	3421.3	3449.8	3442.6
7.5°	3435.5	3435.5	3414.2	3442.6	3435.5
10°	3407.1	3407.1	3385.7	3421.3	3414.2
12.5°	3364.4	3371.5	3357.3	3400.0	3392.9
15°	3314.6	3328.8	3321.7	3364.4	3364.4
17.5°	3257.7	3271.9	3271.9	3321.7	3321.7
20°	3186.6	3207.9	3222.1	3279.1	3279.1
22.5°	3115.5	3143.9	3165.2	3215.0	3236.4
25°	3030.1	3065.7	3101.2	3165.2	3165.2
27.5°	2944.7	2987.4	3030.1	3094.1	3101.2
30°	2845.2	2895.0	2951.9	3015.9	3030.1
32.5°	2745.6	2809.6	2866.5	2944.7	2966.1
35°	2638.9	2702.9	2781.1	2859.4	2880.7
37.5°	2518.0	2596.2	2695.8	2781.1	2802.5
40°	2411.3	2496.6	2596.2	2695.8	2717.1
42.5°	2290.4	2382.8	2503.7	2596.2	2631.8
45°	2169.4	2269.0	2397.1	2503.7	2532.2
47.5°	2041.4	2155.2	2297.5	2397.1	2432.6
50°	1913.4	2034.3	2183.7	2297.5	2325.9
52.5°	1785.3	1913.4	2069.9	2183.7	2219.2
55°	1650.2	1785.3	1948.9	2069.9	2112.5
57.5°	1522.2	1657.3	1828.0	1956.1	1998.7
60°	1379.9	1536.4	1707.1	1835.1	1884.9
62.5°	1259.0	1401.2	1586.2	1714.2	1756.9
65°	1116.7	1266.1	1458.1	1593.3	1636.0
67.5°	981.6	1138.1	1330.1	1472.4	1515.0
70°	846.4	1002.9	1209.2	1344.3	1394.1
72.5°	711.3	874.9	1074.0	1223.4	1273.2
75°	583.3	739.7	953.1	1102.5	1152.3
77.5°	448.1	618.8	832.2	981.6	1038.5
80°	327.2	505.0	718.4	867.8	924.7
82.5°	220.5	398.3	611.7	761.1	818.0
85°	128.0	305.9	519.2	661.5	711.3
87.5°	64.0	234.7	433.9	576.1	625.9
90°	0.0	170.7	362.8	497.9	547.7
92.5°	0.0	163.6	355.6	483.7	533.5
95°	0.0	163.6	348.5	476.6	526.4
97.5°	0.0	156.5	341.4	476.6	519.2
100°	0.0	149.4	341.4	469.5	512.1
102.5°	0.0	142.3	334.3	462.3	505.0
105°	0.0	135.1	327.2	448.1	490.8
107.5°	7.1	135.1	313.0	441.0	483.7
110°	7.1	128.0	298.7	433.9	476.6



TEST NUMBER: P567324

CATALOG NUMBER: 8SNX-126SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.1	120.9	284.5	419.7	462.3
115°	7.1	120.9	277.4	398.3	448.1
117.5°	7.1	113.8	263.2	384.1	433.9
120°	7.1	113.8	256.1	369.9	412.5
122.5°	7.1	106.7	241.8	355.6	398.3
125°	7.1	99.6	234.7	341.4	384.1
127.5°	7.1	92.5	227.6	327.2	369.9
130°	7.1	85.4	213.4	313.0	348.5
132.5°	7.1	85.4	206.3	291.6	334.3
135°	7.1	78.2	192.0	277.4	313.0
137.5°	7.1	71.1	177.8	263.2	298.7
140°	7.1	64.0	163.6	249.0	277.4
142.5°	7.1	64.0	149.4	227.6	256.1
145°	7.1	56.9	135.1	213.4	234.7
147.5°	7.1	49.8	120.9	192.0	213.4
150°	7.1	49.8	106.7	170.7	192.0
152.5°	7.1	42.7	92.5	156.5	177.8
155°	7.1	35.6	85.4	135.1	156.5
157.5°	7.1	35.6	71.1	113.8	135.1
160°	7.1	28.5	64.0	92.5	113.8
162.5°	7.1	28.5	56.9	78.2	99.6
165°	7.1	21.3	42.7	64.0	78.2
167.5°	7.1	21.3	35.6	49.8	64.0
170°	7.1	14.2	28.5	35.6	49.8
172.5°	7.1	14.2	21.3	21.3	21.3
175°	7.1	7.1	14.2	14.2	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)