

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: P567300

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567300
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-L840-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

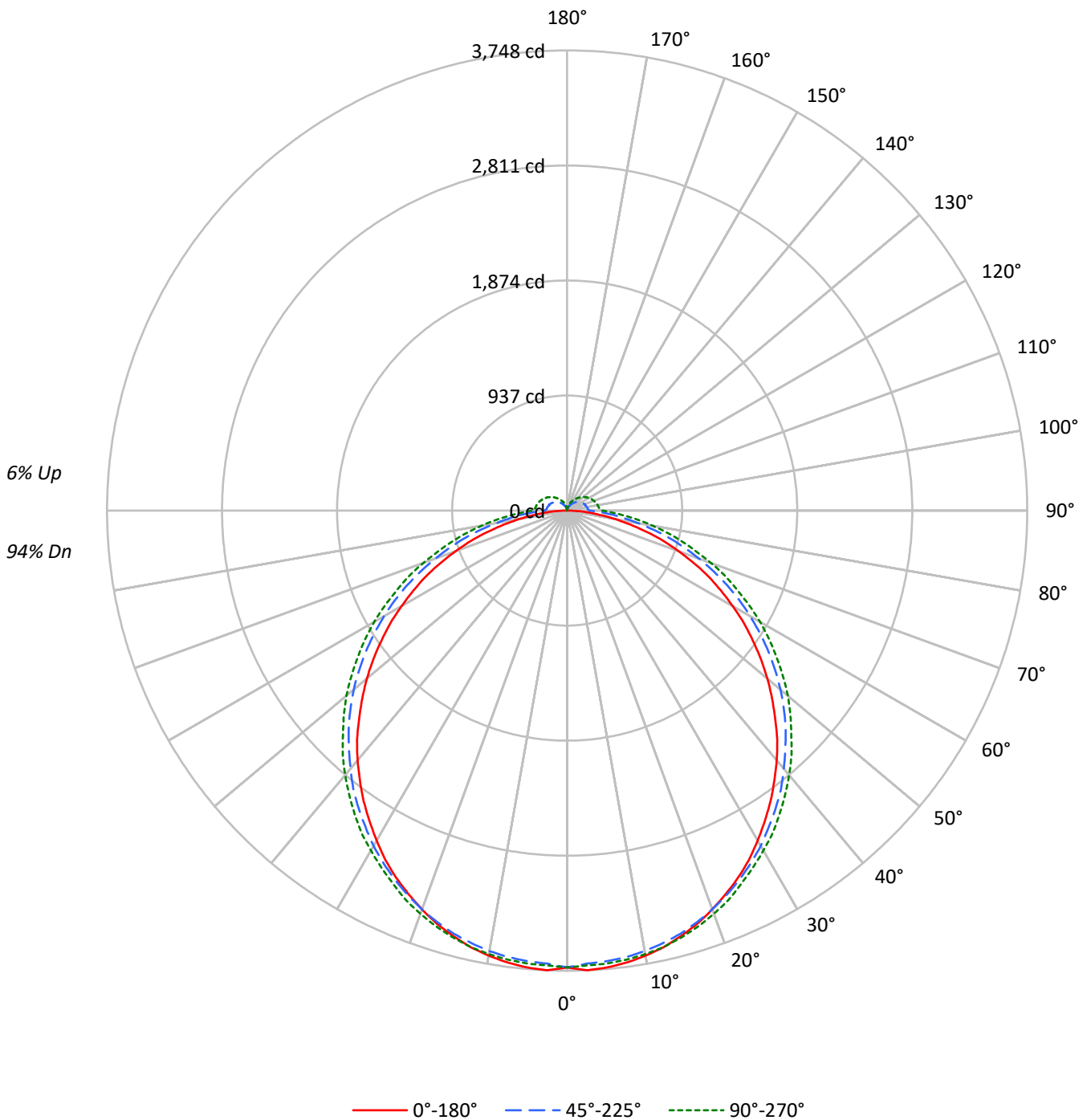
Lumens per Lamp: N/A
Luminaire Lumens: 11824.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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: P567300

CATALOG NUMBER: 8SNX-126SL-FDL-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	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°	20025	20025	20025
5°	20171	19700	19723
10°	20098	19493	19475
15°	19957	19253	19197
20°	19762	18961	18871
25°	19536	18639	18483
30°	19227	18312	18126
35°	18915	17927	17752
40°	18572	17501	17333
45°	18137	17080	16843
50°	17720	16600	16396
55°	17201	16004	15774
60°	16618	15323	15163
65°	16007	14510	14320
70°	14943	13486	13446
75°	13667	12281	12402
80°	11789	10680	11242
85°	9517	9307	9880



TEST NUMBER: P567300

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	3.0
10°-20°	1012.6	8.6
20°-30°	1534.5	13.0
30°-40°	1852.4	15.7
40°-50°	1934.4	16.4
50°-60°	1777.1	15.0
60°-70°	1405.3	11.9
70°-80°	889.4	7.5
80°-90°	382.3	3.2
90°-100°	168.3	1.4
100°-110°	150.6	1.3
110°-120°	127.2	1.1
120°-130°	99.1	0.8
130°-140°	68.7	0.6
140°-150°	41.2	0.3
150°-160°	20.1	0.2
160°-170°	7.0	0.1
170°-180°	1.0	0.0
0°-30°	2899.9	24.5
0°-40°	4752.3	40.2
0°-60°	8463.8	71.6
0°-90°	11140.8	94.2
90°-120°	446.1	3.8
90°-150°	655.1	5.5
90°-180°	683.0	5.8
0°-180°	11824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3721	3721	3721	3721	3721	
5°	3735	3725	3685	3717	3704	355
15°	3587	3587	3568	3606	3599	1012
25°	3298	3312	3317	3361	3354	1519
35°	2890	2923	2961	3007	3017	1806
45°	2395	2454	2517	2565	2582	1850
55°	1847	1922	2002	2067	2081	1652
65°	1271	1342	1436	1503	1526	1252
75°	670	750	858	932	967	710
85°	163	251	360	438	465	180
90°	10	90	184	258	285	14
95°	2	78	168	234	260	2
105°	2	71	157	220	243	2
115°	2	61	142	199	220	2
125°	4	54	119	172	190	4
135°	4	42	96	136	153	3
145°	4	31	67	103	113	3
155°	4	21	44	65	78	2
165°	6	15	23	31	44	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567300

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3720.8	3720.8	3720.8	3720.8	3720.8
2.5°	3748.0	3735.4	3693.6	3722.9	3708.2
5°	3735.4	3725.0	3685.2	3716.6	3704.0
7.5°	3712.4	3704.0	3668.4	3701.9	3689.4
10°	3681.0	3674.7	3643.3	3676.8	3668.4
12.5°	3641.2	3639.1	3607.7	3645.4	3639.1
15°	3586.8	3586.8	3567.9	3605.6	3599.3
17.5°	3528.2	3530.2	3515.6	3555.4	3551.2
20°	3457.0	3467.4	3457.0	3498.8	3494.7
22.5°	3379.5	3394.1	3390.0	3431.8	3433.9
25°	3297.8	3312.5	3316.7	3360.6	3354.4
27.5°	3207.8	3230.8	3239.2	3279.0	3276.9
30°	3103.1	3134.5	3153.4	3186.9	3197.3
32.5°	2996.3	3034.0	3057.0	3103.1	3115.7
35°	2889.5	2923.0	2960.7	3006.8	3017.3
37.5°	2772.3	2810.0	2860.2	2904.2	2916.7
40°	2655.0	2696.9	2745.1	2793.2	2812.1
42.5°	2533.6	2577.5	2629.9	2686.4	2705.3
45°	2395.4	2454.0	2516.8	2565.0	2581.7
47.5°	2263.5	2328.4	2395.4	2447.7	2466.6
50°	2129.5	2198.6	2269.7	2317.9	2347.2
52.5°	1989.2	2064.5	2135.7	2196.5	2215.3
55°	1846.8	1922.2	2001.7	2066.6	2081.3
57.5°	1708.6	1781.9	1861.4	1922.2	1951.5
60°	1557.8	1637.4	1723.2	1784.0	1815.4
62.5°	1411.3	1488.7	1580.9	1645.8	1670.9
65°	1271.0	1342.2	1436.4	1503.4	1526.4
67.5°	1116.0	1197.7	1287.7	1365.2	1394.5
70°	963.2	1040.6	1143.2	1216.5	1245.8
72.5°	820.8	896.2	998.8	1072.1	1099.3
75°	670.0	749.6	858.5	931.8	967.4
77.5°	525.6	613.5	718.2	797.8	837.5
80°	391.6	469.0	582.1	670.0	705.6
82.5°	265.9	349.7	466.9	548.6	588.4
85°	163.3	251.3	360.1	437.6	464.8
87.5°	77.5	161.2	261.7	337.1	370.6
90°	10.5	90.0	184.3	257.5	284.8
92.5°	2.1	77.5	169.6	238.7	263.8
95°	2.1	77.5	167.5	234.5	259.6
97.5°	2.1	75.4	165.4	232.4	255.5
100°	2.1	73.3	163.3	228.2	253.4
102.5°	2.1	73.3	159.1	224.0	247.1
105°	2.1	71.2	157.0	219.9	242.9
107.5°	2.1	69.1	152.9	215.7	238.7
110°	2.1	64.9	150.8	209.4	232.4



TEST NUMBER: P567300

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	62.8	146.6	205.2	226.1
115°	2.1	60.7	142.4	198.9	219.9
117.5°	2.1	58.6	136.1	192.6	213.6
120°	4.2	58.6	131.9	186.4	205.2
122.5°	4.2	56.5	125.6	178.0	196.8
125°	4.2	54.4	119.4	171.7	190.5
127.5°	4.2	52.3	113.1	163.3	180.1
130°	4.2	48.2	108.9	154.9	171.7
132.5°	4.2	46.1	102.6	144.5	161.2
135°	4.2	41.9	96.3	136.1	152.9
137.5°	4.2	39.8	90.0	127.7	142.4
140°	4.2	37.7	81.7	119.4	134.0
142.5°	4.2	33.5	75.4	111.0	123.5
145°	4.2	31.4	67.0	102.6	113.1
147.5°	4.2	27.2	60.7	94.2	104.7
150°	4.2	25.1	54.4	85.8	96.3
152.5°	4.2	23.0	48.2	75.4	85.8
155°	4.2	20.9	44.0	64.9	77.5
157.5°	4.2	18.8	37.7	56.5	69.1
160°	6.3	16.8	33.5	48.2	58.6
162.5°	6.3	14.7	27.2	39.8	52.3
165°	6.3	14.7	23.0	31.4	44.0
167.5°	6.3	12.6	18.8	25.1	35.6
170°	6.3	10.5	16.8	18.8	27.2
172.5°	6.3	8.4	12.6	12.6	14.7
175°	6.3	8.4	10.5	10.5	6.3
177.5°	6.3	6.3	6.3	6.3	4.2
180°	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)