

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: P567341

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-UNV-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

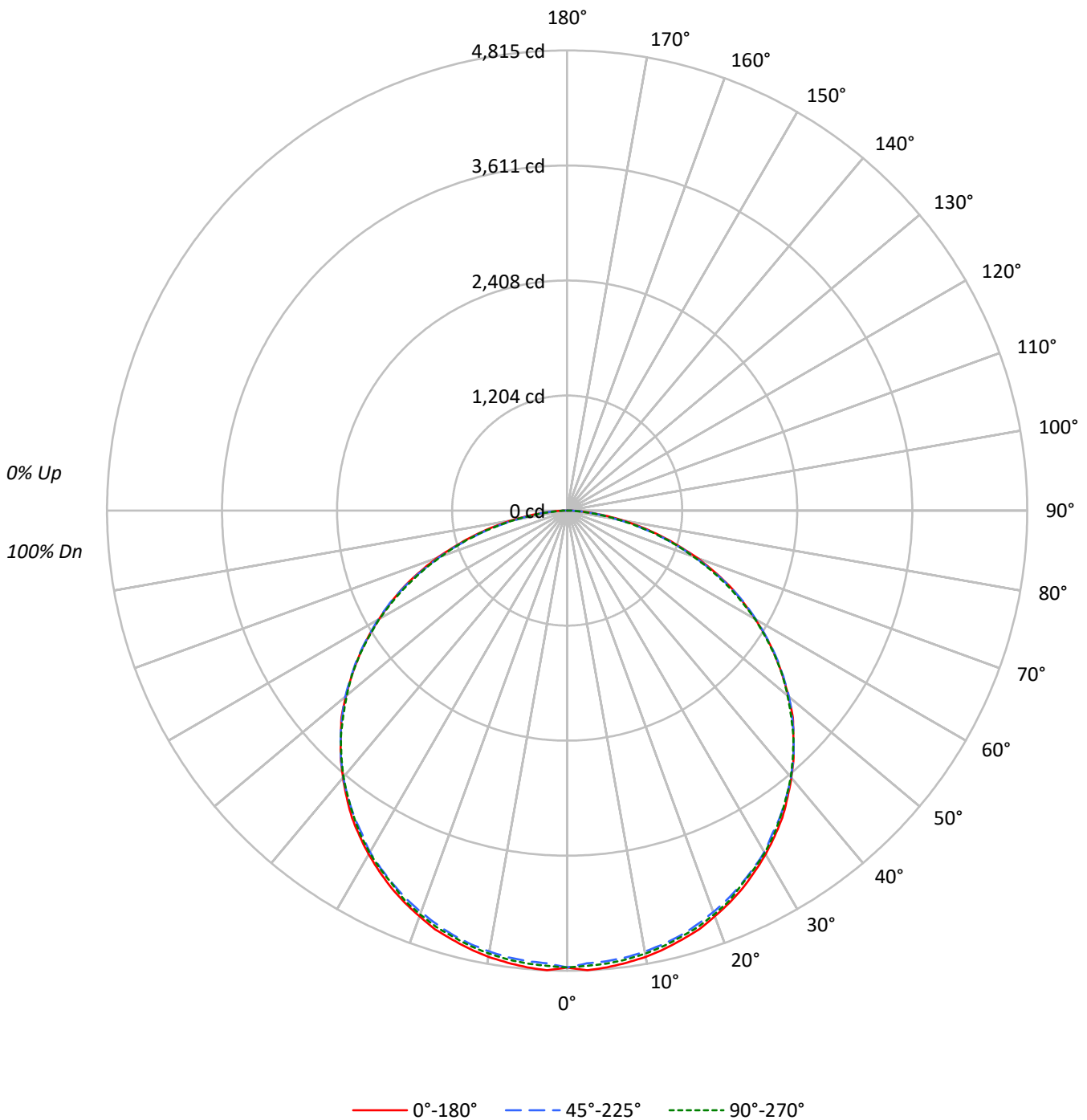
Lumens per Lamp: N/A
Luminaire Lumens: 14293.0 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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: P567341

CATALOG NUMBER: 8SNX-126SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567341

CATALOG NUMBER: 8SNX-126SL-UNV-L850-CD

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25727	25727	25727
5°	25919	25570	25709
10°	25913	25607	25725
15°	25892	25629	25725
20°	25877	25606	25754
25°	25860	25604	25655
30°	25807	25647	25700
35°	25787	25589	25617
40°	25642	25611	25581
45°	25489	25521	25489
50°	25304	25376	25196
55°	24969	25049	24928
60°	24478	24571	24432
65°	23978	23814	23486
70°	22796	22323	22052
75°	20828	20112	20202
80°	17986	16656	17053
85°	13536	13005	11677



TEST NUMBER: P567341

CATALOG NUMBER: 8SNX-126SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.5	3.2
10°-20°	1306.7	9.1
20°-30°	1999.3	14.0
30°-40°	2444.6	17.1
40°-50°	2585.9	18.1
50°-60°	2382.6	16.7
60°-70°	1836.0	12.8
70°-80°	1028.7	7.2
80°-90°	255.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3759.5	26.3
0°-40°	6204.1	43.4
0°-60°	11172.6	78.2
0°-90°	14293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4780	4780	4780	4780	4780	
5°	4798	4780	4733	4780	4759	456
15°	4647	4638	4600	4638	4617	1313
25°	4355	4346	4312	4346	4320	2007
35°	3925	3916	3895	3908	3899	2452
45°	3349	3362	3353	3349	3349	2587
55°	2661	2682	2670	2670	2657	2376
65°	1883	1883	1870	1823	1844	1852
75°	1002	989	967	933	972	1062
85°	219	206	211	211	189	271
90°	0	0	0	0	0	



TEST NUMBER: P567341

CATALOG NUMBER: 8SNX-126SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4780.3	4780.3	4780.3	4780.3	4780.3
2.5°	4814.7	4793.2	4741.6	4788.9	4767.4
5°	4797.5	4780.3	4733.0	4780.3	4758.8
7.5°	4771.7	4758.8	4715.8	4758.8	4737.3
10°	4741.6	4728.7	4685.7	4728.7	4707.2
12.5°	4698.6	4690.0	4647.0	4690.0	4668.5
15°	4647.0	4638.4	4599.7	4638.4	4616.9
17.5°	4595.4	4578.2	4539.5	4582.5	4565.3
20°	4518.1	4509.5	4470.8	4509.5	4496.6
22.5°	4440.7	4432.1	4397.7	4432.1	4423.5
25°	4354.7	4346.1	4311.7	4346.1	4320.3
27.5°	4255.8	4260.1	4221.4	4242.9	4230.0
30°	4152.7	4152.7	4126.9	4135.5	4135.5
32.5°	4040.9	4040.9	4002.2	4028.0	4023.7
35°	3924.8	3916.2	3894.7	3907.6	3899.0
37.5°	3787.3	3783.0	3770.1	3778.7	3770.1
40°	3649.7	3654.0	3645.4	3641.1	3641.1
42.5°	3507.8	3516.4	3503.5	3499.2	3494.9
45°	3348.8	3361.7	3353.1	3348.8	3348.8
47.5°	3202.6	3206.9	3194.0	3189.7	3176.8
50°	3022.1	3039.3	3030.7	3022.1	3009.2
52.5°	2841.5	2867.3	2850.1	2841.5	2841.5
55°	2661.0	2682.5	2669.6	2669.6	2656.7
57.5°	2471.8	2493.3	2476.1	2476.1	2458.9
60°	2274.1	2295.6	2282.7	2269.8	2269.8
62.5°	2076.3	2093.5	2089.2	2067.7	2054.8
65°	1882.9	1882.9	1870.0	1822.7	1844.2
67.5°	1663.6	1659.3	1642.1	1594.9	1625.0
70°	1448.7	1448.7	1418.6	1362.7	1401.4
72.5°	1216.6	1229.5	1190.8	1152.1	1190.8
75°	1001.6	988.7	967.2	932.8	971.5
77.5°	795.3	773.8	748.0	730.8	752.3
80°	580.3	567.4	537.4	537.4	550.2
82.5°	395.5	382.6	361.1	365.4	348.2
85°	219.2	206.3	210.6	210.6	189.1
87.5°	90.3	90.3	90.3	81.7	73.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)