

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: P567340

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567340
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-L840-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

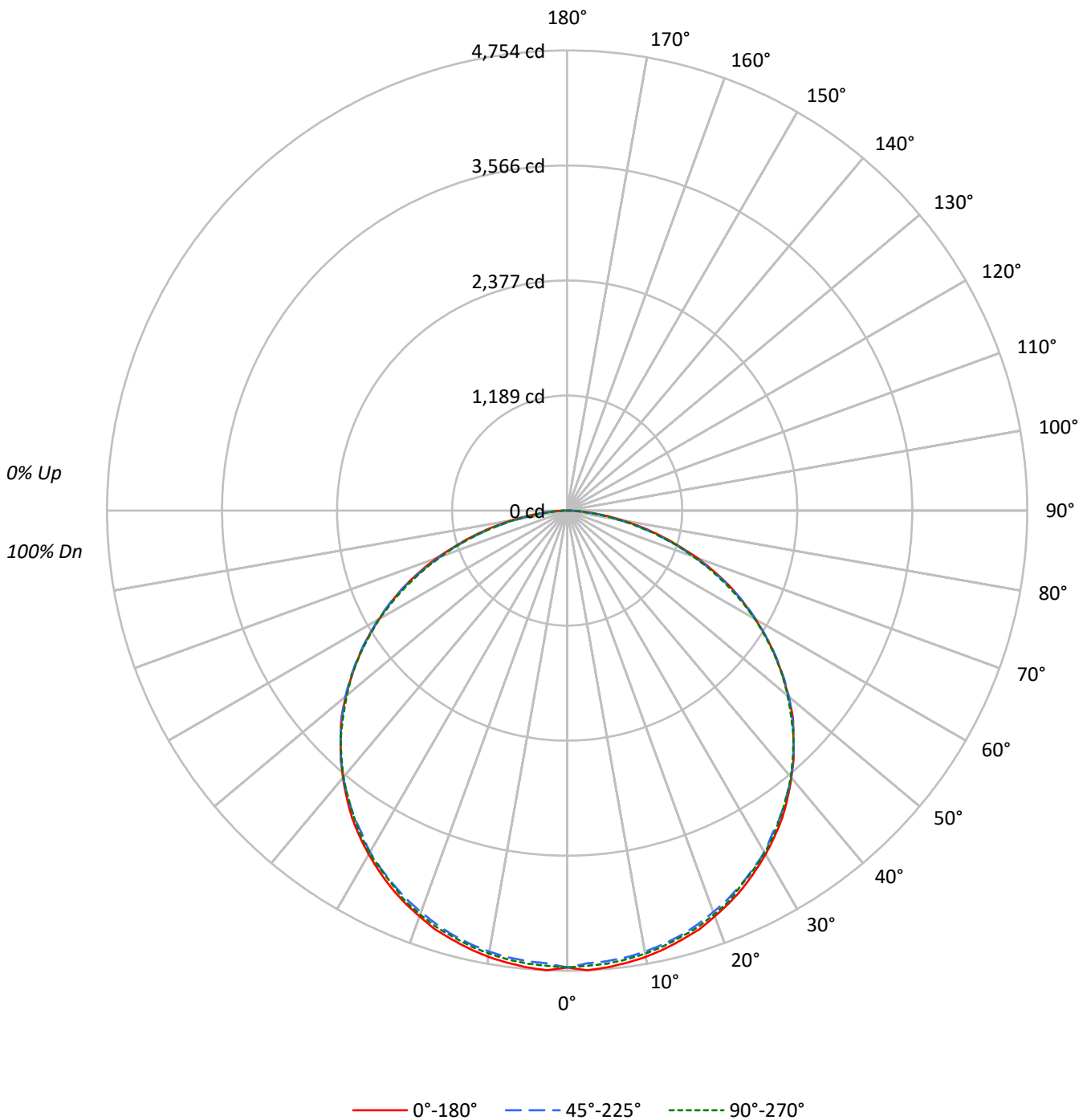
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14113.0 lumens
Efficiency: N/A
Efficacy: 158.9 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

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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	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°	25403	25403	25403
5°	25592	25248	25386
10°	25587	25285	25401
15°	25566	25306	25401
20°	25551	25283	25429
25°	25534	25282	25332
30°	25482	25324	25376
35°	25462	25267	25294
40°	25318	25289	25259
45°	25167	25199	25167
50°	24985	25056	24878
55°	24654	24733	24614
60°	24169	24261	24124
65°	23677	23514	23190
70°	22510	22041	21775
75°	20566	19861	19948
80°	17759	16445	16839
85°	13369	12844	11535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.8	3.2
10°-20°	1290.2	9.1
20°-30°	1974.2	14.0
30°-40°	2413.8	17.1
40°-50°	2553.3	18.1
50°-60°	2352.6	16.7
60°-70°	1812.9	12.8
70°-80°	1015.8	7.2
80°-90°	252.5	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°	3712.2	26.3
0°-40°	6126.0	43.4
0°-60°	11031.9	78.2
0°-90°	14113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4720	4720	4720	4720	4720	
5°	4737	4720	4673	4720	4699	450
15°	4588	4580	4542	4580	4559	1296
25°	4300	4291	4257	4291	4266	1982
35°	3875	3867	3846	3858	3850	2421
45°	3307	3319	3311	3307	3307	2554
55°	2628	2649	2636	2636	2623	2346
65°	1859	1859	1846	1800	1821	1829
75°	989	976	955	921	959	1049
85°	216	204	208	208	187	267
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4720.1	4720.1	4720.1	4720.1	4720.1
2.5°	4754.0	4732.8	4681.9	4728.6	4707.3
5°	4737.1	4720.1	4673.4	4720.1	4698.9
7.5°	4711.6	4698.9	4656.4	4698.9	4677.6
10°	4681.9	4669.1	4626.7	4669.1	4647.9
12.5°	4639.4	4630.9	4588.5	4630.9	4609.7
15°	4588.5	4580.0	4541.8	4580.0	4558.8
17.5°	4537.6	4520.6	4482.4	4524.8	4507.8
20°	4461.2	4452.7	4414.5	4452.7	4439.9
22.5°	4384.8	4376.3	4342.3	4376.3	4367.8
25°	4299.9	4291.4	4257.4	4291.4	4265.9
27.5°	4202.2	4206.5	4168.3	4189.5	4176.8
30°	4100.4	4100.4	4074.9	4083.4	4083.4
32.5°	3990.0	3990.0	3951.8	3977.3	3973.0
35°	3875.4	3866.9	3845.7	3858.4	3849.9
37.5°	3739.6	3735.3	3722.6	3731.1	3722.6
40°	3603.7	3608.0	3599.5	3595.2	3595.2
42.5°	3463.7	3472.1	3459.4	3455.2	3450.9
45°	3306.6	3319.3	3310.8	3306.6	3306.6
47.5°	3162.3	3166.5	3153.8	3149.6	3136.8
50°	2984.0	3001.0	2992.5	2984.0	2971.3
52.5°	2805.7	2831.2	2814.2	2805.7	2805.7
55°	2627.5	2648.7	2635.9	2635.9	2623.2
57.5°	2440.7	2461.9	2444.9	2444.9	2428.0
60°	2245.4	2266.7	2253.9	2241.2	2241.2
62.5°	2050.2	2067.2	2062.9	2041.7	2029.0
65°	1859.2	1859.2	1846.4	1799.7	1821.0
67.5°	1642.7	1638.4	1621.5	1574.8	1604.5
70°	1430.5	1430.5	1400.7	1345.6	1383.8
72.5°	1201.2	1214.0	1175.8	1137.6	1175.8
75°	989.0	976.3	955.1	921.1	959.3
77.5°	785.3	764.0	738.6	721.6	742.8
80°	573.0	560.3	530.6	530.6	543.3
82.5°	390.5	377.8	356.6	360.8	343.8
85°	216.5	203.7	208.0	208.0	186.8
87.5°	89.1	89.1	89.1	80.6	72.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)