

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: P567331

Luminaire Tested: **8SNX-126SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567331
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-L835-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

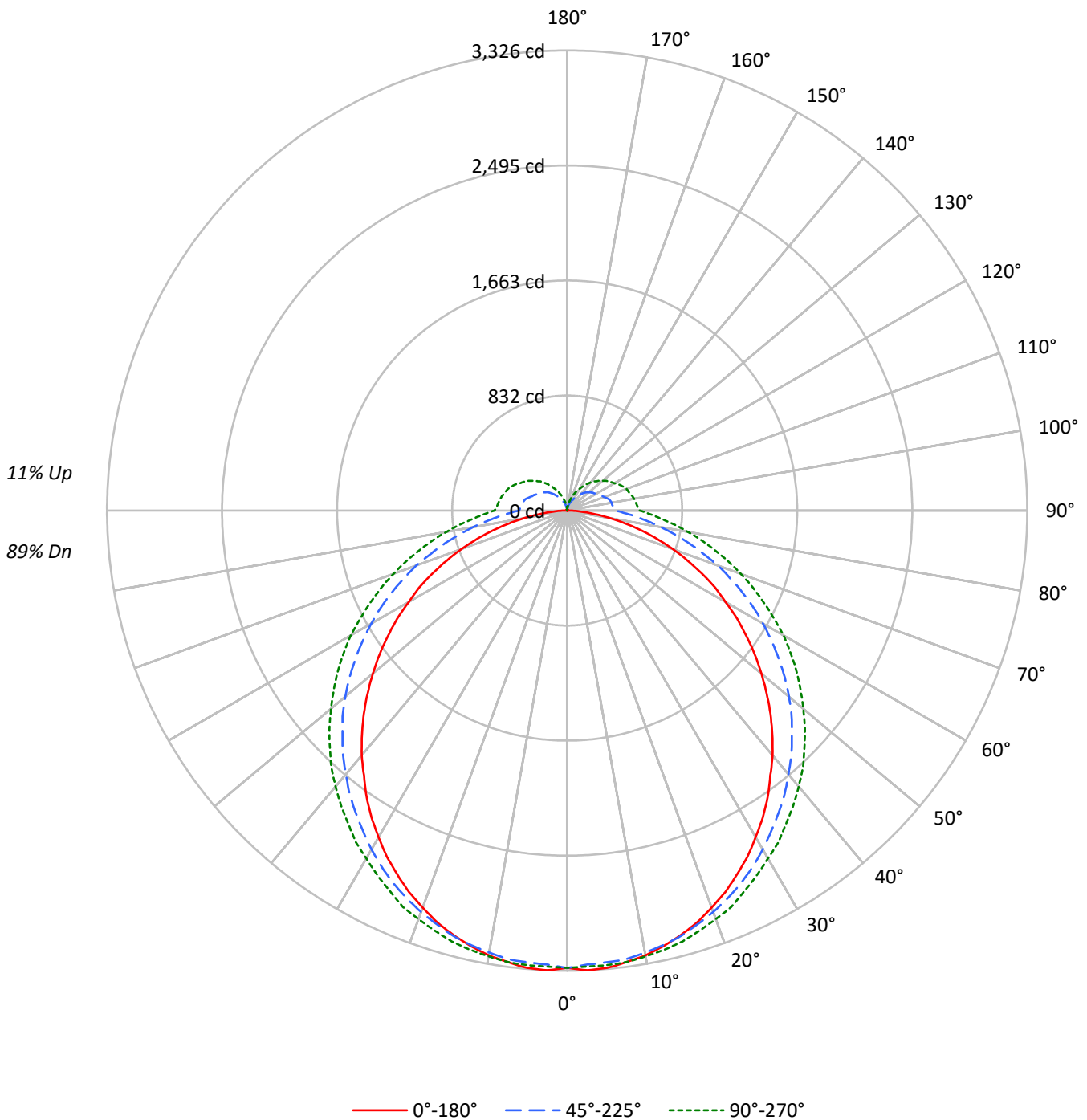
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11767.0 lumens
Efficiency: N/A
Efficacy: 132.5 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	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°	17790	17790	17790
5°	17915	17343	17318
10°	17808	17003	16889
15°	17646	16653	16494
20°	17421	16250	16054
25°	17158	15855	15595
30°	16841	15421	15141
35°	16492	14970	14714
40°	16092	14526	14305
45°	15658	14074	13864
50°	15162	13596	13370
55°	14619	13020	12884
60°	13981	12405	12342
65°	13330	11711	11660
70°	12408	10949	10993
75°	11187	9976	10254
80°	9177	8990	9525
85°	6774	8155	8777



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	2.7
10°-20°	902.4	7.7
20°-30°	1372.1	11.7
30°-40°	1665.6	14.2
40°-50°	1760.1	15.0
50°-60°	1647.0	14.0
60°-70°	1351.4	11.5
70°-80°	929.5	7.9
80°-90°	509.0	4.3
90°-100°	327.8	2.8
100°-110°	294.1	2.5
110°-120°	243.5	2.1
120°-130°	187.5	1.6
130°-140°	131.7	1.1
140°-150°	79.4	0.7
150°-160°	38.0	0.3
160°-170°	12.5	0.1
170°-180°	1.5	0.0
0°-30°	2588.5	22.0
0°-40°	4254.1	36.2
0°-60°	7661.2	65.1
0°-90°	10451.1	88.8
90°-120°	865.3	7.4
90°-150°	1263.9	10.7
90°-180°	1316.0	11.2
0°-180°	11767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3305	3305	3305	3305	3305	
5°	3319	3312	3278	3305	3299	315
15°	3176	3190	3183	3224	3224	896
25°	2903	2937	2971	3033	3033	1338
35°	2528	2590	2665	2740	2760	1579
45°	2079	2174	2297	2399	2426	1602
55°	1581	1711	1867	1983	2024	1415
65°	1070	1213	1397	1527	1568	1060
75°	559	709	913	1056	1104	588
85°	123	293	498	634	682	142
90°	0	164	348	477	525	8
95°	0	157	334	457	504	0
105°	0	130	314	429	470	4
115°	7	116	266	382	429	7
125°	7	95	225	327	368	6
135°	7	75	184	266	300	5
145°	7	54	130	204	225	4
155°	7	34	82	130	150	3
165°	7	20	41	61	75	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°	3305.4	3305.4	3305.4	3305.4	3305.4
2.5°	3325.8	3319.0	3284.9	3312.2	3298.6
5°	3319.0	3312.2	3278.1	3305.4	3298.6
7.5°	3291.7	3291.7	3271.3	3298.6	3291.7
10°	3264.5	3264.5	3244.0	3278.1	3271.3
12.5°	3223.6	3230.4	3216.8	3257.7	3250.9
15°	3175.9	3189.5	3182.7	3223.6	3223.6
17.5°	3121.4	3135.0	3135.0	3182.7	3182.7
20°	3053.2	3073.7	3087.3	3141.8	3141.8
22.5°	2985.1	3012.3	3032.8	3080.5	3100.9
25°	2903.3	2937.4	2971.4	3032.8	3032.8
27.5°	2821.5	2862.4	2903.3	2964.6	2971.4
30°	2726.1	2773.8	2828.3	2889.6	2903.3
32.5°	2630.7	2692.0	2746.5	2821.5	2841.9
35°	2528.4	2589.8	2664.7	2739.7	2760.2
37.5°	2412.6	2487.6	2583.0	2664.7	2685.2
40°	2310.4	2392.1	2487.6	2583.0	2603.4
42.5°	2194.5	2283.1	2399.0	2487.6	2521.6
45°	2078.6	2174.1	2296.7	2399.0	2426.2
47.5°	1956.0	2065.0	2201.3	2296.7	2330.8
50°	1833.3	1949.2	2092.3	2201.3	2228.6
52.5°	1710.6	1833.3	1983.2	2092.3	2126.3
55°	1581.1	1710.6	1867.4	1983.2	2024.1
57.5°	1458.5	1587.9	1751.5	1874.2	1915.1
60°	1322.2	1472.1	1635.7	1758.3	1806.0
62.5°	1206.3	1342.6	1519.8	1642.5	1683.4
65°	1070.0	1213.1	1397.1	1526.6	1567.5
67.5°	940.5	1090.4	1274.4	1410.7	1451.6
70°	811.0	960.9	1158.6	1288.1	1335.8
72.5°	681.5	838.3	1029.1	1172.2	1219.9
75°	558.8	708.8	913.2	1056.4	1104.1
77.5°	429.4	592.9	797.4	940.5	995.0
80°	313.5	483.9	688.3	831.5	886.0
82.5°	211.3	381.7	586.1	729.2	783.7
85°	122.7	293.1	497.5	633.8	681.5
87.5°	61.3	224.9	415.7	552.0	599.7
90°	0.0	163.6	347.6	477.1	524.8
92.5°	0.0	156.7	340.8	463.4	511.1
95°	0.0	156.7	333.9	456.6	504.3
97.5°	0.0	149.9	327.1	456.6	497.5
100°	0.0	143.1	327.1	449.8	490.7
102.5°	0.0	136.3	320.3	443.0	483.9
105°	0.0	129.5	313.5	429.4	470.2
107.5°	6.8	129.5	299.9	422.5	463.4
110°	6.8	122.7	286.2	415.7	456.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.8	115.9	272.6	402.1	443.0
115°	6.8	115.9	265.8	381.7	429.4
117.5°	6.8	109.0	252.2	368.0	415.7
120°	6.8	109.0	245.3	354.4	395.3
122.5°	6.8	102.2	231.7	340.8	381.7
125°	6.8	95.4	224.9	327.1	368.0
127.5°	6.8	88.6	218.1	313.5	354.4
130°	6.8	81.8	204.5	299.9	333.9
132.5°	6.8	81.8	197.6	279.4	320.3
135°	6.8	75.0	184.0	265.8	299.9
137.5°	6.8	68.2	170.4	252.2	286.2
140°	6.8	61.3	156.7	238.5	265.8
142.5°	6.8	61.3	143.1	218.1	245.3
145°	6.8	54.5	129.5	204.5	224.9
147.5°	6.8	47.7	115.9	184.0	204.5
150°	6.8	47.7	102.2	163.6	184.0
152.5°	6.8	40.9	88.6	149.9	170.4
155°	6.8	34.1	81.8	129.5	149.9
157.5°	6.8	34.1	68.2	109.0	129.5
160°	6.8	27.3	61.3	88.6	109.0
162.5°	6.8	27.3	54.5	75.0	95.4
165°	6.8	20.4	40.9	61.3	75.0
167.5°	6.8	20.4	34.1	47.7	61.3
170°	6.8	13.6	27.3	34.1	47.7
172.5°	6.8	13.6	20.4	20.4	20.4
175°	6.8	6.8	13.6	13.6	6.8
177.5°	6.8	6.8	6.8	6.8	6.8
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)