

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: P567306

Luminaire Tested: **8SNX-126SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-LC-UNV-L830-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

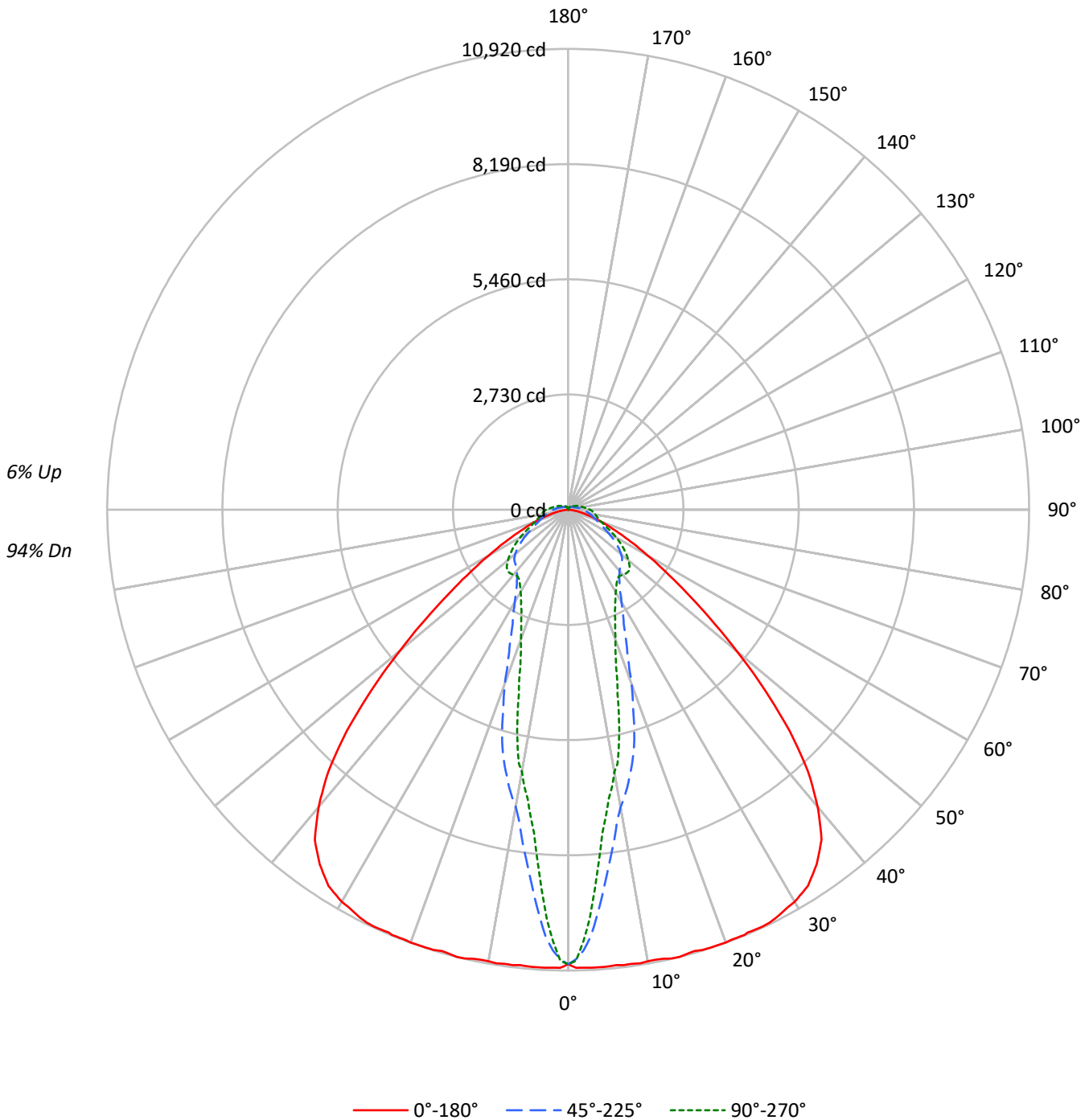
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13276.0 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57964	57964	57964
5°	58594	47668	42615
10°	59162	36027	30842
15°	60355	29481	21356
20°	62032	21355	15083
25°	64102	15315	11866
30°	65885	12248	10105
35°	66440	10371	9051
40°	63515	9438	9073
45°	55292	9129	9321
50°	42579	8693	8698
55°	30997	7611	7718
60°	22619	6361	6526
65°	16587	5387	5349
70°	12354	4767	4612
75°	8925	4424	4299
80°	6034	4154	4234
85°	3052	3973	4240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.0	6.4
10°-20°	1839.3	13.9
20°-30°	2105.3	15.9
30°-40°	2109.1	15.9
40°-50°	1996.5	15.0
50°-60°	1531.2	11.5
60°-70°	986.9	7.4
70°-80°	629.4	4.7
80°-90°	417.9	3.1
90°-100°	280.9	2.1
100°-110°	185.1	1.4
110°-120°	128.8	1.0
120°-130°	89.8	0.7
130°-140°	62.4	0.5
140°-150°	38.2	0.3
150°-160°	19.4	0.1
160°-170°	7.4	0.1
170°-180°	1.4	0.0
0°-30°	4791.6	36.1
0°-40°	6900.6	52.0
0°-60°	10428.3	78.6
0°-90°	12462.6	93.9
90°-120°	594.8	4.5
90°-150°	785.2	5.9
90°-180°	813.0	6.1
0°-180°	13276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10770	10770	10770	10770	10770	
5°	10865	10267	9198	8579	8348	###
15°	10893	7845	5980	4912	4518	3090
25°	10899	5552	3164	2749	2619	5025
35°	10260	3089	2116	2048	2021	6366
45°	7416	1953	1782	1973	2041	5638
55°	3402	1395	1374	1544	1606	3128
65°	1361	878	864	986	1020	1400
75°	463	476	599	687	721	509
85°	61	218	422	551	592	84
90°	0	150	354	490	510	3
95°	0	109	293	401	422	0
105°	0	82	190	272	293	4
115°	7	68	143	197	211	7
125°	7	61	122	143	150	6
135°	7	48	95	116	122	5
145°	7	34	68	88	95	4
155°	7	20	41	61	68	3
165°	14	14	27	34	41	3
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10770.1	10770.1	10770.1	10770.1	10770.1
1°	10858.6	10797.3	10654.5	10695.3	10688.5
2°	10858.6	10729.3	10450.4	10368.7	10246.3
3°	10865.4	10613.7	10137.4	9872.1	9702.0
4°	10865.4	10443.6	9674.8	9232.5	9014.8
5°	10865.4	10266.7	9198.5	8579.4	8348.0
6°	10851.8	10055.8	8715.4	8062.3	7715.3
7°	10872.2	9824.4	8280.0	7579.2	7307.1
8°	10865.4	9552.3	7878.6	7211.8	6912.5
9°	10885.8	9286.9	7443.2	6864.9	6640.3
10°	10865.4	9042.0	7157.4	6538.3	6307.0
11°	10865.4	8803.9	6953.3	6327.4	6130.1
12°	10879.0	8531.7	6728.8	6028.0	5755.9
13°	10913.0	8252.8	6470.2	5701.4	5381.7
14°	10919.8	8041.9	6232.1	5286.4	4953.0
15°	10892.6	7844.6	5980.4	4912.2	4517.6
16°	10879.0	7640.5	5681.0	4558.4	4204.6
17°	10906.2	7402.3	5340.8	4197.8	3871.3
18°	10913.0	7184.6	4980.3	3925.7	3639.9
19°	10913.0	7014.5	4687.7	3674.0	3429.0
20°	10913.0	6851.2	4388.3	3483.5	3272.5
21°	10899.4	6647.1	4048.2	3286.1	3109.3
22.5°	10906.2	6266.1	3660.3	3054.8	2912.0
23°	10885.8	6170.9	3565.1	2993.6	2843.9
24°	10892.6	5898.7	3361.0	2871.1	2728.3
25°	10899.4	5551.8	3163.7	2748.7	2619.4
26°	10885.8	5272.8	3000.4	2633.0	2544.6
27°	10851.8	5048.3	2884.7	2537.8	2456.1
28°	10804.2	4748.9	2762.3	2456.1	2381.3
29°	10756.5	4408.7	2639.8	2367.7	2313.2
30°	10729.3	4136.6	2524.1	2299.6	2252.0
32.5°	10566.0	3599.1	2286.0	2163.6	2122.7
35°	10259.9	3088.8	2115.9	2047.9	2020.7
37.5°	9858.4	2694.2	1986.7	1973.1	1979.9
40°	9198.5	2381.3	1891.4	1952.6	2013.9
42.5°	8409.3	2136.3	1823.4	1973.1	2041.1
45°	7415.9	1952.6	1782.5	1973.1	2041.1
47.5°	6313.8	1803.0	1734.9	1905.0	1973.1
50°	5211.6	1666.9	1639.7	1803.0	1864.2
52.5°	4238.7	1537.6	1517.2	1673.7	1734.9
55°	3401.8	1394.7	1374.3	1544.4	1605.7
57.5°	2728.3	1258.7	1238.3	1394.7	1456.0
60°	2177.2	1122.6	1088.6	1245.1	1306.3
62.5°	1734.9	993.3	972.9	1109.0	1163.4
65°	1360.7	877.7	864.1	986.5	1020.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1075.0	768.8	775.6	877.7	918.5
70°	830.0	666.8	707.6	802.8	830.0
72.5°	625.9	564.7	653.1	734.8	768.8
75°	462.6	476.3	598.7	687.2	721.2
77.5°	319.8	394.6	551.1	646.3	680.4
80°	217.7	319.8	503.5	612.3	653.1
82.5°	129.3	265.3	462.6	578.3	625.9
85°	61.2	217.7	421.8	551.1	591.9
87.5°	20.4	176.9	381.0	523.9	557.9
90°	0.0	149.7	353.8	489.9	510.3
92.5°	0.0	129.3	319.8	449.0	462.6
95°	0.0	108.9	292.6	401.4	421.8
97.5°	0.0	102.1	272.1	360.6	387.8
100°	0.0	95.3	244.9	326.6	353.8
102.5°	0.0	81.6	217.7	292.6	319.8
105°	0.0	81.6	190.5	272.1	292.6
107.5°	6.8	74.8	176.9	244.9	272.1
110°	6.8	74.8	156.5	231.3	251.7
112.5°	6.8	74.8	149.7	210.9	238.1
115°	6.8	68.0	142.9	197.3	210.9
117.5°	6.8	68.0	136.1	176.9	190.5
120°	6.8	61.2	129.3	163.3	170.1
122.5°	6.8	61.2	122.5	149.7	156.5
125°	6.8	61.2	122.5	142.9	149.7
127.5°	6.8	54.4	115.7	136.1	136.1
130°	6.8	54.4	108.9	129.3	129.3
132.5°	6.8	47.6	102.1	122.5	129.3
135°	6.8	47.6	95.3	115.7	122.5
137.5°	6.8	40.8	88.4	108.9	115.7
140°	6.8	40.8	81.6	102.1	108.9
142.5°	6.8	34.0	74.8	95.3	102.1
145°	6.8	34.0	68.0	88.4	95.3
147.5°	6.8	34.0	61.2	81.6	88.4
150°	6.8	27.2	54.4	74.8	81.6
152.5°	6.8	27.2	47.6	68.0	74.8
155°	6.8	20.4	40.8	61.2	68.0
157.5°	6.8	20.4	40.8	54.4	61.2
160°	13.6	20.4	34.0	47.6	54.4
162.5°	6.8	13.6	34.0	40.8	47.6
165°	13.6	13.6	27.2	34.0	40.8
167.5°	13.6	13.6	20.4	27.2	34.0
170°	13.6	13.6	20.4	20.4	27.2
172.5°	13.6	13.6	13.6	20.4	13.6
175°	13.6	13.6	13.6	13.6	6.8
177.5°	13.6	13.6	13.6	13.6	6.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.6	13.6	13.6	13.6	13.6

(END OF REPORT)