

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: P568204

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-LN-UNV-CC83-CD-5000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

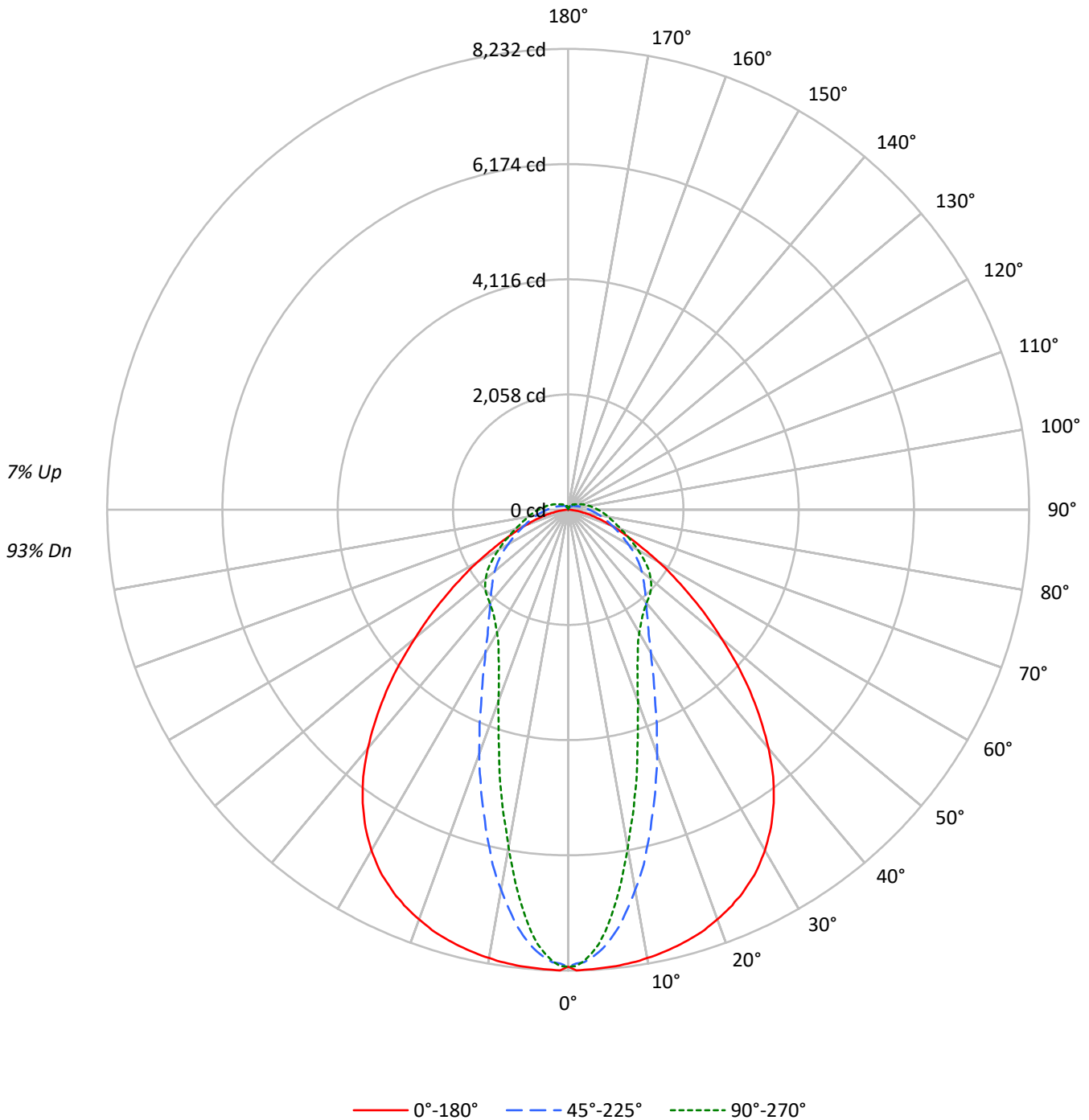
Lumens per Lamp: N/A
Luminaire Lumens: 13013.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 102.2
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43935	43935	43935
5°	44244	40431	38644
10°	44264	34706	29982
15°	44326	28342	22471
20°	44271	22601	16817
25°	43960	17729	13346
30°	43135	14363	11384
35°	41426	12168	10356
40°	38427	10754	9802
45°	34272	9850	9499
50°	29141	9075	8973
55°	24049	8234	8195
60°	19342	7253	7189
65°	15130	6378	6255
70°	11876	5652	5533
75°	9342	5089	5042
80°	6805	4670	4686
85°	4080	4368	4494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.9	5.6
10°-20°	1694.5	13.0
20°-30°	2011.5	15.5
30°-40°	2023.7	15.6
40°-50°	1881.2	14.5
50°-60°	1549.0	11.9
60°-70°	1091.5	8.4
70°-80°	713.1	5.5
80°-90°	455.3	3.5
90°-100°	298.6	2.3
100°-110°	202.7	1.6
110°-120°	138.9	1.1
120°-130°	96.1	0.7
130°-140°	64.7	0.5
140°-150°	39.9	0.3
150°-160°	20.7	0.2
160°-170°	7.5	0.1
170°-180°	1.3	0.0
0°-30°	4428.9	34.0
0°-40°	6452.7	49.6
0°-60°	9882.8	75.9
0°-90°	12142.7	93.3
90°-120°	640.2	4.9
90°-150°	840.9	6.5
90°-180°	870.0	6.7
0°-180°	13013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8163	8163	8163	8163	8163	
5°	8204	8095	7802	7652	7570	781
15°	8000	7147	5749	5026	4754	2259
25°	7475	5524	3662	3076	2946	3440
35°	6397	3737	2482	2326	2312	3978
45°	4597	2462	1923	2026	2080	3529
55°	2639	1616	1487	1650	1705	2384
65°	1241	975	1023	1153	1194	1259
75°	484	505	689	812	846	524
85°	82	232	464	600	627	103
90°	0	157	375	512	532	5
95°	0	116	314	430	450	0
105°	0	82	211	300	327	0
115°	7	68	150	218	232	6
125°	7	55	123	157	170	6
135°	7	48	96	123	130	5
145°	7	34	68	96	102	4
155°	7	27	48	68	75	3
165°	7	14	27	34	41	2
175°	14	14	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°	8163.4	8163.4	8163.4	8163.4	8163.4
1°	8231.6	8197.5	8108.9	8170.3	8156.6
2°	8224.8	8190.7	8088.4	8115.7	8068.0
3°	8218.0	8170.3	8013.4	8006.6	7938.4
4°	8211.2	8136.2	7917.9	7836.1	7781.5
5°	8204.4	8095.2	7802.0	7652.0	7570.1
6°	8197.5	8047.5	7652.0	7426.9	7311.0
7°	8183.9	7972.5	7495.1	7188.2	7038.2
8°	8170.3	7904.3	7297.3	6929.0	6744.9
9°	8156.6	7815.6	7099.5	6649.4	6431.2
10°	8129.3	7727.0	6894.9	6363.0	6131.1
11°	8115.7	7624.7	6697.2	6090.2	5817.4
12°	8088.4	7515.6	6485.7	5803.8	5565.1
13°	8061.1	7399.6	6226.6	5558.2	5271.8
14°	8033.9	7276.9	6001.5	5285.4	5019.5
15°	7999.8	7147.3	5749.2	5026.3	4753.5
16°	7965.7	6997.2	5524.1	4760.3	4473.9
17°	7931.6	6854.0	5312.7	4514.8	4255.6
18°	7890.6	6710.8	5067.2	4276.1	4023.8
19°	7836.1	6547.1	4869.4	4057.9	3826.0
20°	7788.3	6397.1	4644.4	3853.3	3648.7
21°	7733.8	6212.9	4419.3	3662.3	3457.7
22.5°	7652.0	5953.8	4132.9	3423.6	3232.6
23°	7611.0	5878.8	4016.9	3334.9	3171.3
24°	7556.5	5681.0	3826.0	3198.5	3034.9
25°	7474.6	5524.1	3662.3	3075.8	2946.2
26°	7399.6	5333.2	3498.6	2966.7	2837.1
27°	7324.6	5149.0	3355.4	2850.7	2741.6
28°	7229.1	4958.1	3198.5	2755.2	2659.8
29°	7126.8	4780.8	3069.0	2673.4	2598.4
30°	7024.5	4583.0	2959.8	2598.4	2537.0
32.5°	6738.1	4146.5	2680.2	2455.2	2414.3
35°	6397.1	3737.3	2482.5	2325.6	2312.0
37.5°	6015.2	3362.2	2305.1	2223.3	2236.9
40°	5565.1	3021.2	2155.1	2148.3	2175.6
42.5°	5087.7	2728.0	2039.2	2086.9	2127.8
45°	4596.6	2462.0	1923.2	2025.5	2080.1
47.5°	4085.1	2230.1	1820.9	1950.5	2011.9
50°	3566.8	2005.1	1711.8	1861.8	1923.2
52.5°	3103.1	1807.3	1602.7	1759.5	1827.7
55°	2639.3	1616.3	1486.7	1650.4	1705.0
57.5°	2236.9	1439.0	1364.0	1527.7	1568.6
60°	1861.8	1268.5	1241.2	1391.3	1439.0
62.5°	1520.8	1118.5	1125.3	1268.5	1316.2
65°	1241.2	975.2	1023.0	1152.6	1193.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1009.3	838.9	920.7	1057.1	1091.2
70°	797.9	716.1	838.9	961.6	995.7
72.5°	634.3	607.0	757.0	886.6	913.9
75°	484.2	504.7	688.8	811.6	845.7
77.5°	347.8	422.8	620.6	750.2	777.5
80°	245.5	347.8	566.1	695.6	722.9
82.5°	156.9	286.4	511.5	647.9	675.2
85°	81.8	231.9	463.8	600.2	627.4
87.5°	34.1	191.0	416.0	552.4	579.7
90°	0.0	156.9	375.1	511.5	532.0
92.5°	0.0	136.4	341.0	470.6	491.0
95°	0.0	115.9	313.7	429.7	450.1
97.5°	0.0	109.1	279.6	395.6	416.0
100°	0.0	95.5	252.3	361.5	388.7
102.5°	0.0	88.7	231.9	327.4	354.6
105°	0.0	81.8	211.4	300.1	327.4
107.5°	0.0	75.0	197.8	279.6	300.1
110°	0.0	75.0	177.3	259.2	279.6
112.5°	6.8	68.2	163.7	231.9	252.3
115°	6.8	68.2	150.0	218.2	231.9
117.5°	6.8	68.2	143.2	197.8	211.4
120°	6.8	61.4	136.4	184.1	197.8
122.5°	6.8	61.4	129.6	170.5	177.3
125°	6.8	54.6	122.8	156.9	170.5
127.5°	6.8	54.6	115.9	150.0	156.9
130°	6.8	54.6	109.1	136.4	150.0
132.5°	6.8	47.7	102.3	129.6	136.4
135°	6.8	47.7	95.5	122.8	129.6
137.5°	6.8	40.9	88.7	115.9	122.8
140°	6.8	40.9	81.8	109.1	115.9
142.5°	6.8	34.1	75.0	102.3	109.1
145°	6.8	34.1	68.2	95.5	102.3
147.5°	6.8	34.1	61.4	88.7	95.5
150°	6.8	27.3	54.6	81.8	88.7
152.5°	6.8	27.3	47.7	75.0	81.8
155°	6.8	27.3	47.7	68.2	75.0
157.5°	6.8	20.5	40.9	54.6	68.2
160°	6.8	20.5	34.1	47.7	61.4
162.5°	6.8	20.5	34.1	40.9	47.7
165°	6.8	13.6	27.3	34.1	40.9
167.5°	6.8	13.6	20.5	27.3	34.1
170°	6.8	13.6	20.5	20.5	27.3
172.5°	6.8	13.6	13.6	13.6	13.6
175°	13.6	13.6	13.6	13.6	6.8
177.5°	13.6	13.6	13.6	6.8	6.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)