

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: P568203

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568203
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-4000K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

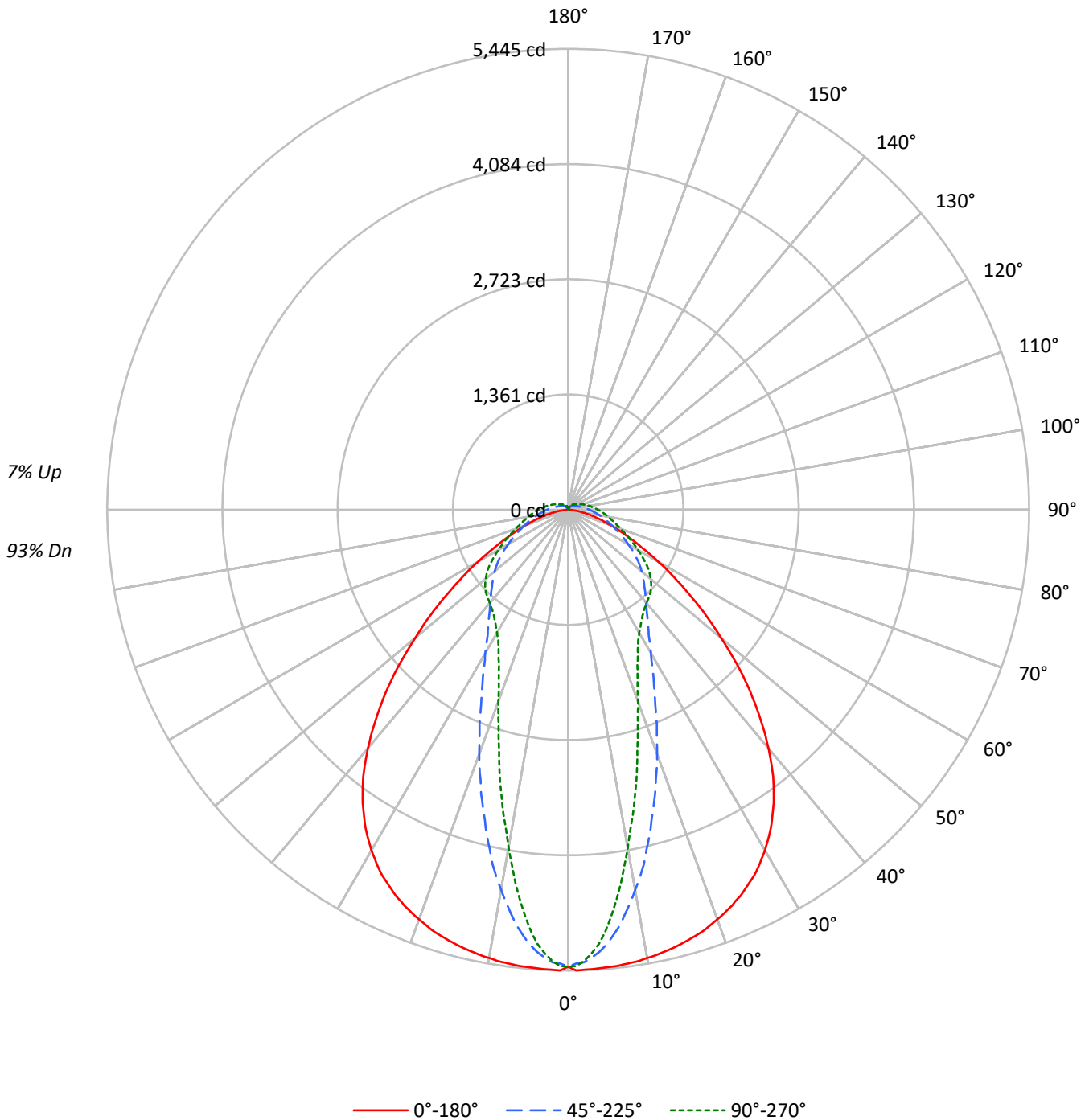
Lumens per Lamp: N/A
Luminaire Lumens: 8608.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 64.548
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: P568203

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-MED

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°	29063	29063	29063
5°	29267	26745	25563
10°	29280	22957	19833
15°	29321	18748	14865
20°	29285	14950	11124
25°	29079	11728	8829
30°	28534	9501	7531
35°	27403	8049	6850
40°	25418	7114	6484
45°	22670	6516	6284
50°	19276	6003	5936
55°	15909	5447	5421
60°	12795	4798	4755
65°	10009	4219	4138
70°	7856	3738	3660
75°	6180	3366	3335
80°	4501	3089	3100
85°	2698	2889	2973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.2	5.6
10°-20°	1120.9	13.0
20°-30°	1330.6	15.5
30°-40°	1338.7	15.6
40°-50°	1244.4	14.5
50°-60°	1024.7	11.9
60°-70°	722.0	8.4
70°-80°	471.7	5.5
80°-90°	301.2	3.5
90°-100°	197.5	2.3
100°-110°	134.1	1.6
110°-120°	91.9	1.1
120°-130°	63.6	0.7
130°-140°	42.8	0.5
140°-150°	26.4	0.3
150°-160°	13.7	0.2
160°-170°	4.9	0.1
170°-180°	0.9	0.0
0°-30°	2929.7	34.0
0°-40°	4268.4	49.6
0°-60°	6537.4	75.9
0°-90°	8032.3	93.3
90°-120°	423.5	4.9
90°-150°	556.2	6.5
90°-180°	576.0	6.7
0°-180°	8608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5400	5400	5400	5400	5400	
5°	5427	5355	5161	5062	5008	517
15°	5292	4728	3803	3325	3144	1494
25°	4944	3654	2423	2035	1949	2275
35°	4232	2472	1642	1538	1529	2632
45°	3041	1629	1272	1340	1376	2334
55°	1746	1069	984	1092	1128	1577
65°	821	645	677	762	790	833
75°	320	334	456	537	559	346
85°	54	153	307	397	415	68
90°	0	104	248	338	352	3
95°	0	77	208	284	298	0
105°	0	54	140	198	216	0
115°	4	45	99	144	153	4
125°	4	36	81	104	113	4
135°	4	32	63	81	86	3
145°	4	23	45	63	68	3
155°	4	18	32	45	50	2
165°	4	9	18	23	27	1
175°	9	9	9	9	4	1
180°	4	4	4	4	4	



TEST NUMBER: P568203

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5400.1	5400.1	5400.1	5400.1	5400.1
1°	5445.2	5422.6	5364.0	5404.6	5395.5
2°	5440.7	5418.1	5350.4	5368.5	5336.9
3°	5436.1	5404.6	5300.8	5296.3	5251.2
4°	5431.6	5382.0	5237.6	5183.5	5147.4
5°	5427.1	5354.9	5161.0	5061.7	5007.6
6°	5422.6	5323.4	5061.7	4912.8	4836.1
7°	5413.6	5273.7	4957.9	4754.9	4655.7
8°	5404.6	5228.6	4827.1	4583.5	4461.7
9°	5395.5	5170.0	4696.3	4398.5	4254.2
10°	5377.5	5111.3	4560.9	4209.1	4055.7
11°	5368.5	5043.7	4430.1	4028.6	3848.2
12°	5350.4	4971.5	4290.3	3839.1	3681.2
13°	5332.4	4894.8	4118.8	3676.7	3487.3
14°	5314.3	4813.6	3970.0	3496.3	3320.3
15°	5291.8	4727.9	3803.0	3324.8	3144.4
16°	5269.2	4628.6	3654.2	3148.9	2959.4
17°	5246.7	4533.9	3514.3	2986.5	2815.1
18°	5219.6	4439.1	3351.9	2828.6	2661.7
19°	5183.5	4330.9	3221.1	2684.2	2530.9
20°	5151.9	4231.6	3072.2	2548.9	2413.6
21°	5115.8	4109.8	2923.3	2422.6	2287.2
22.5°	5061.7	3938.4	2733.9	2264.7	2138.4
23°	5034.6	3888.8	2657.2	2206.0	2097.8
24°	4998.5	3757.9	2530.9	2115.8	2007.5
25°	4944.4	3654.2	2422.6	2034.6	1948.9
26°	4894.8	3527.9	2314.3	1962.4	1876.7
27°	4845.2	3406.1	2219.6	1885.7	1813.6
28°	4782.0	3279.7	2115.8	1822.6	1759.4
29°	4714.3	3162.4	2030.1	1768.4	1718.8
30°	4646.7	3031.6	1957.9	1718.8	1678.2
32.5°	4457.2	2742.9	1773.0	1624.1	1597.0
35°	4231.6	2472.2	1642.1	1538.4	1529.3
37.5°	3979.0	2224.1	1524.8	1470.7	1479.7
40°	3681.2	1998.5	1425.6	1421.1	1439.1
42.5°	3365.4	1804.5	1348.9	1380.5	1407.5
45°	3040.6	1628.6	1272.2	1339.9	1376.0
47.5°	2702.3	1475.2	1204.5	1290.2	1330.8
50°	2359.4	1326.3	1132.3	1231.6	1272.2
52.5°	2052.7	1195.5	1060.2	1163.9	1209.0
55°	1745.9	1069.2	983.5	1091.7	1127.8
57.5°	1479.7	951.9	902.3	1010.5	1037.6
60°	1231.6	839.1	821.1	920.3	951.9
62.5°	1006.0	739.9	744.4	839.1	870.7
65°	821.1	645.1	676.7	762.4	789.5



TEST NUMBER: P568203

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	667.7	554.9	609.0	699.3	721.8
70°	527.8	473.7	554.9	636.1	658.7
72.5°	419.6	401.5	500.8	586.5	604.5
75°	320.3	333.8	455.6	536.8	559.4
77.5°	230.1	279.7	410.5	496.2	514.3
80°	162.4	230.1	374.4	460.2	478.2
82.5°	103.8	189.5	338.3	428.6	446.6
85°	54.1	153.4	306.8	397.0	415.0
87.5°	22.6	126.3	275.2	365.4	383.5
90°	0.0	103.8	248.1	338.3	351.9
92.5°	0.0	90.2	225.6	311.3	324.8
95°	0.0	76.7	207.5	284.2	297.7
97.5°	0.0	72.2	185.0	261.7	275.2
100°	0.0	63.2	166.9	239.1	257.1
102.5°	0.0	58.6	153.4	216.5	234.6
105°	0.0	54.1	139.9	198.5	216.5
107.5°	0.0	49.6	130.8	185.0	198.5
110°	0.0	49.6	117.3	171.4	185.0
112.5°	4.5	45.1	108.3	153.4	166.9
115°	4.5	45.1	99.2	144.4	153.4
117.5°	4.5	45.1	94.7	130.8	139.9
120°	4.5	40.6	90.2	121.8	130.8
122.5°	4.5	40.6	85.7	112.8	117.3
125°	4.5	36.1	81.2	103.8	112.8
127.5°	4.5	36.1	76.7	99.2	103.8
130°	4.5	36.1	72.2	90.2	99.2
132.5°	4.5	31.6	67.7	85.7	90.2
135°	4.5	31.6	63.2	81.2	85.7
137.5°	4.5	27.1	58.6	76.7	81.2
140°	4.5	27.1	54.1	72.2	76.7
142.5°	4.5	22.6	49.6	67.7	72.2
145°	4.5	22.6	45.1	63.2	67.7
147.5°	4.5	22.6	40.6	58.6	63.2
150°	4.5	18.0	36.1	54.1	58.6
152.5°	4.5	18.0	31.6	49.6	54.1
155°	4.5	18.0	31.6	45.1	49.6
157.5°	4.5	13.5	27.1	36.1	45.1
160°	4.5	13.5	22.6	31.6	40.6
162.5°	4.5	13.5	22.6	27.1	31.6
165°	4.5	9.0	18.0	22.6	27.1
167.5°	4.5	9.0	13.5	18.0	22.6
170°	4.5	9.0	13.5	13.5	18.0
172.5°	4.5	9.0	9.0	9.0	9.0
175°	9.0	9.0	9.0	9.0	4.5
177.5°	9.0	9.0	9.0	4.5	4.5



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CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)