

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: P568137

Luminaire Tested: **8SNX-96SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568137
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-96SL-LN-UNV-L950-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

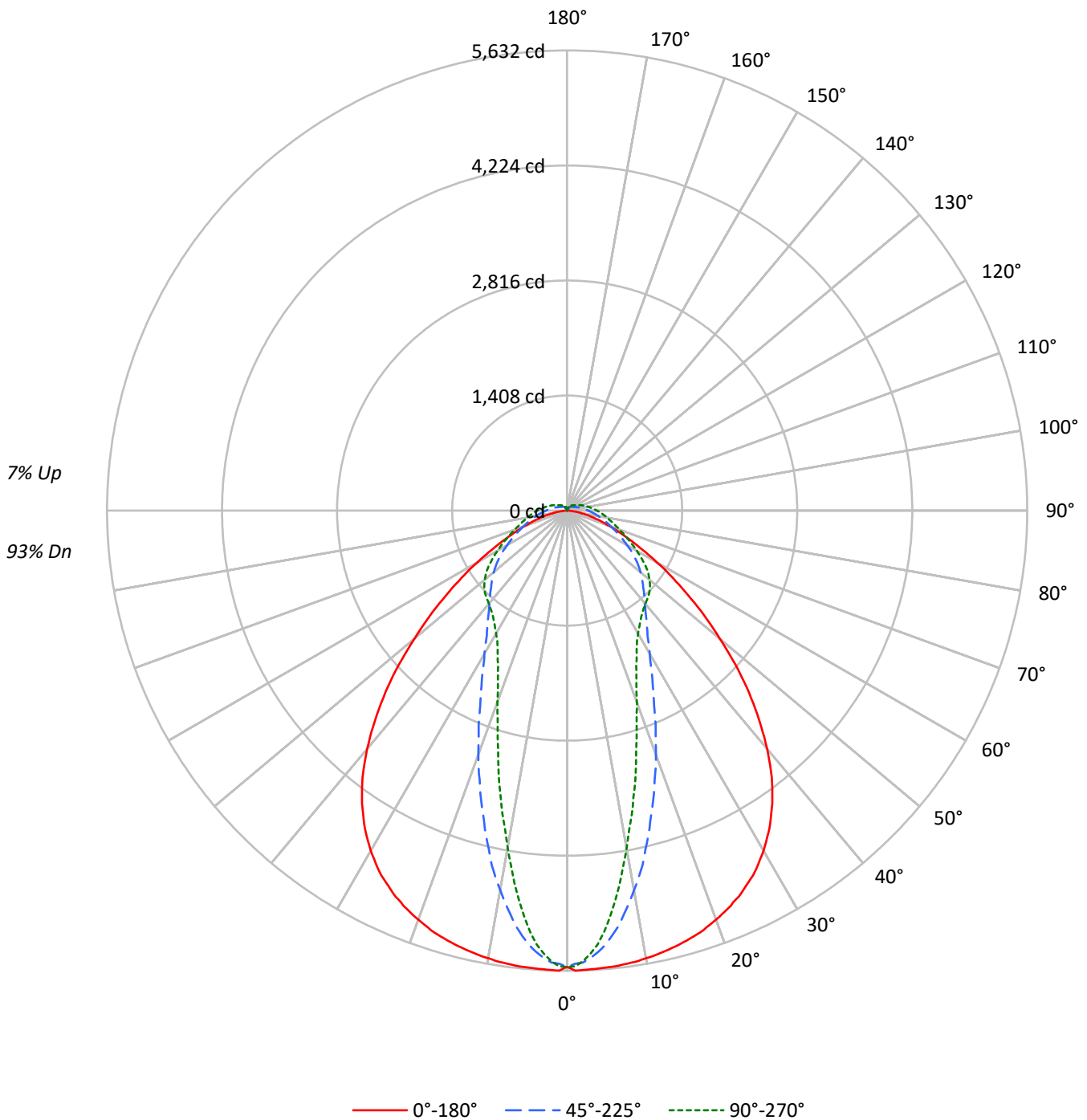
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8903.0 lumens
Efficiency: N/A
Efficacy: 138.7 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): 64.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P568137
CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568137

CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

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	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°	30059	30059	30059
5°	30270	27661	26439
10°	30284	23745	20513
15°	30326	19390	15374
20°	30289	15463	11505
25°	30076	12129	9131
30°	29512	9826	7789
35°	28342	8325	7085
40°	26290	7357	6706
45°	23447	6739	6499
50°	19937	6208	6139
55°	16454	5633	5607
60°	13234	4962	4918
65°	10352	4364	4280
70°	8125	3866	3785
75°	6392	3482	3449
80°	4657	3195	3206
85°	2793	2988	3075



TEST NUMBER: P568137

CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.6	5.6
10°-20°	1159.3	13.0
20°-30°	1376.2	15.5
30°-40°	1384.6	15.6
40°-50°	1287.0	14.5
50°-60°	1059.8	11.9
60°-70°	746.8	8.4
70°-80°	487.9	5.5
80°-90°	311.5	3.5
90°-100°	204.3	2.3
100°-110°	138.7	1.6
110°-120°	95.1	1.1
120°-130°	65.8	0.7
130°-140°	44.3	0.5
140°-150°	27.3	0.3
150°-160°	14.2	0.2
160°-170°	5.1	0.1
170°-180°	0.9	0.0
0°-30°	3030.1	34.0
0°-40°	4414.7	49.6
0°-60°	6761.5	75.9
0°-90°	8307.6	93.3
90°-120°	438.0	4.9
90°-150°	575.3	6.5
90°-180°	595.0	6.7
0°-180°	8903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5585	5585	5585	5585	5585	
5°	5613	5538	5338	5235	5179	534
15°	5473	4890	3933	3439	3252	1546
25°	5114	3779	2506	2104	2016	2353
35°	4377	2557	1698	1591	1582	2722
45°	3145	1684	1316	1386	1423	2414
55°	1806	1106	1017	1129	1166	1631
65°	849	667	700	788	816	862
75°	331	345	471	555	579	358
85°	56	159	317	411	429	70
90°	0	107	257	350	364	3
95°	0	79	215	294	308	0
105°	0	56	145	205	224	0
115°	5	47	103	149	159	4
125°	5	37	84	107	117	4
135°	5	33	65	84	89	4
145°	5	23	47	65	70	3
155°	5	19	33	47	51	2
165°	5	9	19	23	28	1
175°	9	9	9	9	5	1
180°	5	5	5	5	5	



TEST NUMBER: P568137

CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5585.1	5585.1	5585.1	5585.1	5585.1
1°	5631.8	5608.4	5547.8	5589.8	5580.5
2°	5627.1	5603.8	5533.8	5552.5	5519.8
3°	5622.4	5589.8	5482.5	5477.8	5431.1
4°	5617.8	5566.5	5417.1	5361.2	5323.8
5°	5613.1	5538.5	5337.8	5235.2	5179.2
6°	5608.4	5505.8	5235.2	5081.2	5001.9
7°	5599.1	5454.5	5127.9	4917.9	4815.2
8°	5589.8	5407.8	4992.5	4740.6	4614.6
9°	5580.5	5347.2	4857.2	4549.3	4400.0
10°	5561.8	5286.5	4717.3	4353.3	4194.7
11°	5552.5	5216.5	4581.9	4166.7	3980.0
12°	5533.8	5141.9	4437.3	3970.7	3807.4
13°	5515.1	5062.5	4260.0	3802.7	3606.8
14°	5496.5	4978.5	4106.0	3616.1	3434.1
15°	5473.1	4889.9	3933.4	3438.8	3252.2
16°	5449.8	4787.2	3779.4	3256.8	3060.9
17°	5426.5	4689.3	3634.8	3088.8	2911.5
18°	5398.5	4591.3	3466.8	2925.5	2752.9
19°	5361.2	4479.3	3331.5	2776.2	2617.6
20°	5328.5	4376.6	3177.5	2636.3	2496.3
21°	5291.2	4250.7	3023.5	2505.6	2365.6
22.5°	5235.2	4073.4	2827.6	2342.3	2211.7
23°	5207.2	4022.0	2748.2	2281.6	2169.7
24°	5169.9	3886.7	2617.6	2188.3	2076.3
25°	5113.9	3779.4	2505.6	2104.3	2015.7
26°	5062.5	3648.8	2393.6	2029.7	1941.0
27°	5011.2	3522.8	2295.6	1950.4	1875.7
28°	4945.9	3392.1	2188.3	1885.0	1819.7
29°	4875.9	3270.8	2099.7	1829.0	1777.7
30°	4805.9	3135.5	2025.0	1777.7	1735.7
32.5°	4609.9	2836.9	1833.7	1679.7	1651.7
35°	4376.6	2556.9	1698.4	1591.1	1581.8
37.5°	4115.4	2300.3	1577.1	1521.1	1530.4
40°	3807.4	2067.0	1474.4	1469.8	1488.4
42.5°	3480.8	1866.4	1395.1	1427.8	1455.8
45°	3144.8	1684.4	1315.8	1385.8	1423.1
47.5°	2794.9	1525.8	1245.8	1334.5	1376.4
50°	2440.3	1371.8	1171.1	1273.8	1315.8
52.5°	2123.0	1236.5	1096.5	1203.8	1250.5
55°	1805.7	1105.8	1017.2	1129.2	1166.5
57.5°	1530.4	984.5	933.2	1045.2	1073.2
60°	1273.8	867.9	849.2	951.8	984.5
62.5°	1040.5	765.2	769.9	867.9	900.5
65°	849.2	667.2	699.9	788.5	816.5



TEST NUMBER: P568137

CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	690.6	573.9	629.9	723.2	746.5
70°	545.9	489.9	573.9	657.9	681.2
72.5°	433.9	415.3	517.9	606.6	625.2
75°	331.3	345.3	471.3	555.2	578.6
77.5°	238.0	289.3	424.6	513.3	531.9
80°	168.0	238.0	387.3	475.9	494.6
82.5°	107.3	196.0	349.9	443.3	461.9
85°	56.0	158.6	317.3	410.6	429.3
87.5°	23.3	130.6	284.6	377.9	396.6
90°	0.0	107.3	256.6	349.9	363.9
92.5°	0.0	93.3	233.3	321.9	335.9
95°	0.0	79.3	214.6	294.0	308.0
97.5°	0.0	74.7	191.3	270.6	284.6
100°	0.0	65.3	172.6	247.3	266.0
102.5°	0.0	60.7	158.6	224.0	242.6
105°	0.0	56.0	144.6	205.3	224.0
107.5°	0.0	51.3	135.3	191.3	205.3
110°	0.0	51.3	121.3	177.3	191.3
112.5°	4.7	46.7	112.0	158.6	172.6
115°	4.7	46.7	102.7	149.3	158.6
117.5°	4.7	46.7	98.0	135.3	144.6
120°	4.7	42.0	93.3	126.0	135.3
122.5°	4.7	42.0	88.7	116.6	121.3
125°	4.7	37.3	84.0	107.3	116.6
127.5°	4.7	37.3	79.3	102.7	107.3
130°	4.7	37.3	74.7	93.3	102.7
132.5°	4.7	32.7	70.0	88.7	93.3
135°	4.7	32.7	65.3	84.0	88.7
137.5°	4.7	28.0	60.7	79.3	84.0
140°	4.7	28.0	56.0	74.7	79.3
142.5°	4.7	23.3	51.3	70.0	74.7
145°	4.7	23.3	46.7	65.3	70.0
147.5°	4.7	23.3	42.0	60.7	65.3
150°	4.7	18.7	37.3	56.0	60.7
152.5°	4.7	18.7	32.7	51.3	56.0
155°	4.7	18.7	32.7	46.7	51.3
157.5°	4.7	14.0	28.0	37.3	46.7
160°	4.7	14.0	23.3	32.7	42.0
162.5°	4.7	14.0	23.3	28.0	32.7
165°	4.7	9.3	18.7	23.3	28.0
167.5°	4.7	9.3	14.0	18.7	23.3
170°	4.7	9.3	14.0	14.0	18.7
172.5°	4.7	9.3	9.3	9.3	9.3
175°	9.3	9.3	9.3	9.3	4.7
177.5°	9.3	9.3	9.3	4.7	4.7



TEST NUMBER: P568137

CATALOG NUMBER: 8SNX-96SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)