

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: P568136

Luminaire Tested: **8SNX-96SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568136
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-L940-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

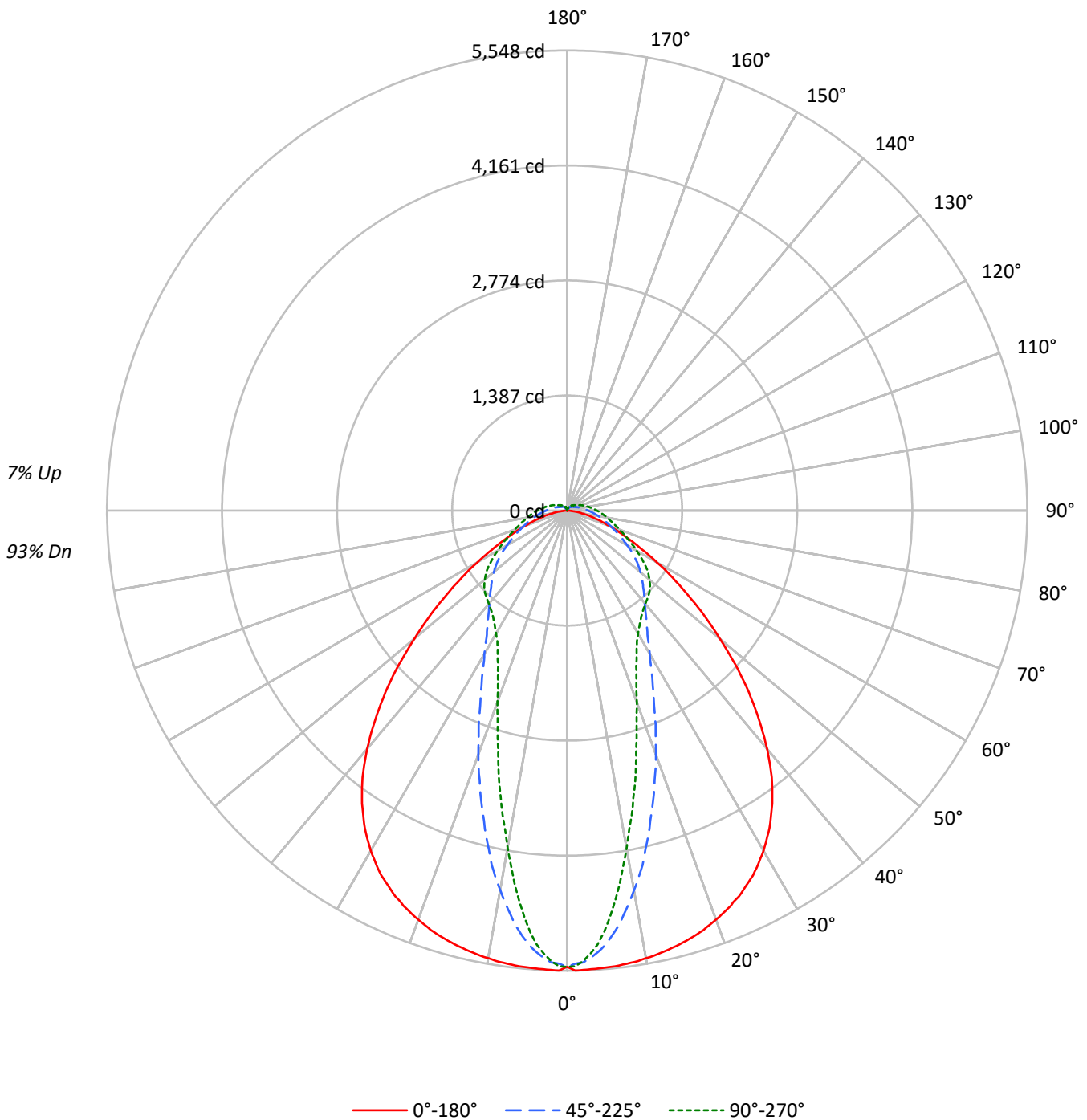
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8770.0 lumens
Efficiency: N/A
Efficacy: 136.6 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

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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°	29610	29610	29610
5°	29818	27248	26044
10°	29831	23390	20206
15°	29873	19100	15144
20°	29836	15232	11333
25°	29627	11948	8995
30°	29071	9680	7672
35°	27919	8200	6979
40°	25897	7248	6606
45°	23098	6638	6402
50°	19639	6116	6047
55°	16208	5549	5523
60°	13036	4888	4845
65°	10197	4298	4216
70°	8005	3809	3729
75°	6296	3430	3397
80°	4587	3147	3158
85°	2753	2943	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.2	5.6
10°-20°	1142.0	13.0
20°-30°	1355.6	15.5
30°-40°	1363.9	15.6
40°-50°	1267.8	14.5
50°-60°	1043.9	11.9
60°-70°	735.6	8.4
70°-80°	480.6	5.5
80°-90°	306.8	3.5
90°-100°	201.2	2.3
100°-110°	136.6	1.6
110°-120°	93.6	1.1
120°-130°	64.8	0.7
130°-140°	43.6	0.5
140°-150°	26.9	0.3
150°-160°	14.0	0.2
160°-170°	5.0	0.1
170°-180°	0.9	0.0
0°-30°	2984.8	34.0
0°-40°	4348.7	49.6
0°-60°	6660.4	75.9
0°-90°	8183.5	93.3
90°-120°	431.5	4.9
90°-150°	566.7	6.5
90°-180°	587.0	6.7
0°-180°	8770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5502	5502	5502	5502	5502	
5°	5529	5456	5258	5157	5102	526
15°	5391	4817	3875	3387	3204	1523
25°	5038	3723	2468	2073	1986	2318
35°	4311	2519	1673	1567	1558	2681
45°	3098	1659	1296	1365	1402	2378
55°	1779	1089	1002	1112	1149	1607
65°	836	657	689	777	804	849
75°	326	340	464	547	570	353
85°	55	156	312	404	423	69
90°	0	106	253	345	358	3
95°	0	78	211	290	303	0
105°	0	55	142	202	221	0
115°	5	46	101	147	156	4
125°	5	37	83	106	115	4
135°	5	32	64	83	87	4
145°	5	23	46	64	69	3
155°	5	18	32	46	51	2
165°	5	9	18	23	28	1
175°	9	9	9	9	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5501.7	5501.7	5501.7	5501.7	5501.7
1°	5547.6	5524.7	5464.9	5506.3	5497.1
2°	5543.0	5520.1	5451.1	5469.5	5437.3
3°	5538.5	5506.3	5400.6	5396.0	5350.0
4°	5533.9	5483.3	5336.2	5281.1	5244.3
5°	5529.3	5455.7	5258.1	5157.0	5101.8
6°	5524.7	5423.5	5157.0	5005.3	4927.2
7°	5515.5	5373.0	5051.3	4844.4	4743.3
8°	5506.3	5327.0	4918.0	4669.8	4545.7
9°	5497.1	5267.3	4784.7	4481.3	4334.2
10°	5478.7	5207.5	4646.8	4288.3	4132.0
11°	5469.5	5138.6	4513.5	4104.4	3920.6
12°	5451.1	5065.0	4371.0	3911.4	3750.5
13°	5432.7	4986.9	4196.4	3745.9	3552.9
14°	5414.4	4904.2	4044.7	3562.1	3382.8
15°	5391.4	4816.8	3874.6	3387.4	3203.6
16°	5368.4	4715.7	3722.9	3208.2	3015.1
17°	5345.4	4619.2	3580.5	3042.7	2868.0
18°	5317.8	4522.7	3415.0	2881.8	2711.8
19°	5281.1	4412.4	3281.7	2734.8	2578.5
20°	5248.9	4311.3	3130.0	2596.9	2459.0
21°	5212.1	4187.2	2978.4	2468.2	2330.3
22.5°	5157.0	4012.5	2785.3	2307.3	2178.6
23°	5129.4	3961.9	2707.2	2247.6	2137.2
24°	5092.6	3828.7	2578.5	2155.6	2045.3
25°	5037.5	3722.9	2468.2	2072.9	1985.6
26°	4986.9	3594.2	2357.9	1999.4	1912.0
27°	4936.3	3470.2	2261.3	1921.2	1847.7
28°	4872.0	3341.5	2155.6	1856.9	1792.5
29°	4803.1	3222.0	2068.3	1801.7	1751.2
30°	4734.1	3088.7	1994.8	1751.2	1709.8
32.5°	4541.1	2794.5	1806.3	1654.6	1627.1
35°	4311.3	2518.7	1673.0	1567.3	1558.1
37.5°	4053.9	2265.9	1553.5	1498.4	1507.6
40°	3750.5	2036.1	1452.4	1447.8	1466.2
42.5°	3428.8	1838.5	1374.3	1406.4	1434.0
45°	3097.9	1659.2	1296.1	1365.1	1401.8
47.5°	2753.1	1503.0	1227.2	1314.5	1355.9
50°	2403.8	1351.3	1153.7	1254.8	1296.1
52.5°	2091.3	1218.0	1080.1	1185.8	1231.8
55°	1778.7	1089.3	1002.0	1112.3	1149.1
57.5°	1507.6	969.8	919.2	1029.6	1057.1
60°	1254.8	854.9	836.5	937.6	969.8
62.5°	1025.0	753.8	758.4	854.9	887.1
65°	836.5	657.3	689.4	776.8	804.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	680.2	565.3	620.5	712.4	735.4
70°	537.8	482.6	565.3	648.1	671.0
72.5°	427.4	409.1	510.2	597.5	615.9
75°	326.3	340.1	464.2	547.0	569.9
77.5°	234.4	285.0	418.3	505.6	524.0
80°	165.5	234.4	381.5	468.8	487.2
82.5°	105.7	193.0	344.7	436.6	455.0
85°	55.2	156.3	312.5	404.5	422.9
87.5°	23.0	128.7	280.4	372.3	390.7
90°	0.0	105.7	252.8	344.7	358.5
92.5°	0.0	91.9	229.8	317.1	330.9
95°	0.0	78.1	211.4	289.6	303.4
97.5°	0.0	73.5	188.4	266.6	280.4
100°	0.0	64.3	170.1	243.6	262.0
102.5°	0.0	59.8	156.3	220.6	239.0
105°	0.0	55.2	142.5	202.2	220.6
107.5°	0.0	50.6	133.3	188.4	202.2
110°	0.0	50.6	119.5	174.7	188.4
112.5°	4.6	46.0	110.3	156.3	170.1
115°	4.6	46.0	101.1	147.1	156.3
117.5°	4.6	46.0	96.5	133.3	142.5
120°	4.6	41.4	91.9	124.1	133.3
122.5°	4.6	41.4	87.3	114.9	119.5
125°	4.6	36.8	82.7	105.7	114.9
127.5°	4.6	36.8	78.1	101.1	105.7
130°	4.6	36.8	73.5	91.9	101.1
132.5°	4.6	32.2	68.9	87.3	91.9
135°	4.6	32.2	64.3	82.7	87.3
137.5°	4.6	27.6	59.8	78.1	82.7
140°	4.6	27.6	55.2	73.5	78.1
142.5°	4.6	23.0	50.6	68.9	73.5
145°	4.6	23.0	46.0	64.3	68.9
147.5°	4.6	23.0	41.4	59.8	64.3
150°	4.6	18.4	36.8	55.2	59.8
152.5°	4.6	18.4	32.2	50.6	55.2
155°	4.6	18.4	32.2	46.0	50.6
157.5°	4.6	13.8	27.6	36.8	46.0
160°	4.6	13.8	23.0	32.2	41.4
162.5°	4.6	13.8	23.0	27.6	32.2
165°	4.6	9.2	18.4	23.0	27.6
167.5°	4.6	9.2	13.8	18.4	23.0
170°	4.6	9.2	13.8	13.8	18.4
172.5°	4.6	9.2	9.2	9.2	9.2
175°	9.2	9.2	9.2	9.2	4.6
177.5°	9.2	9.2	9.2	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)