

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: P568132

Luminaire Tested: **8SNX-96SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568132
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-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

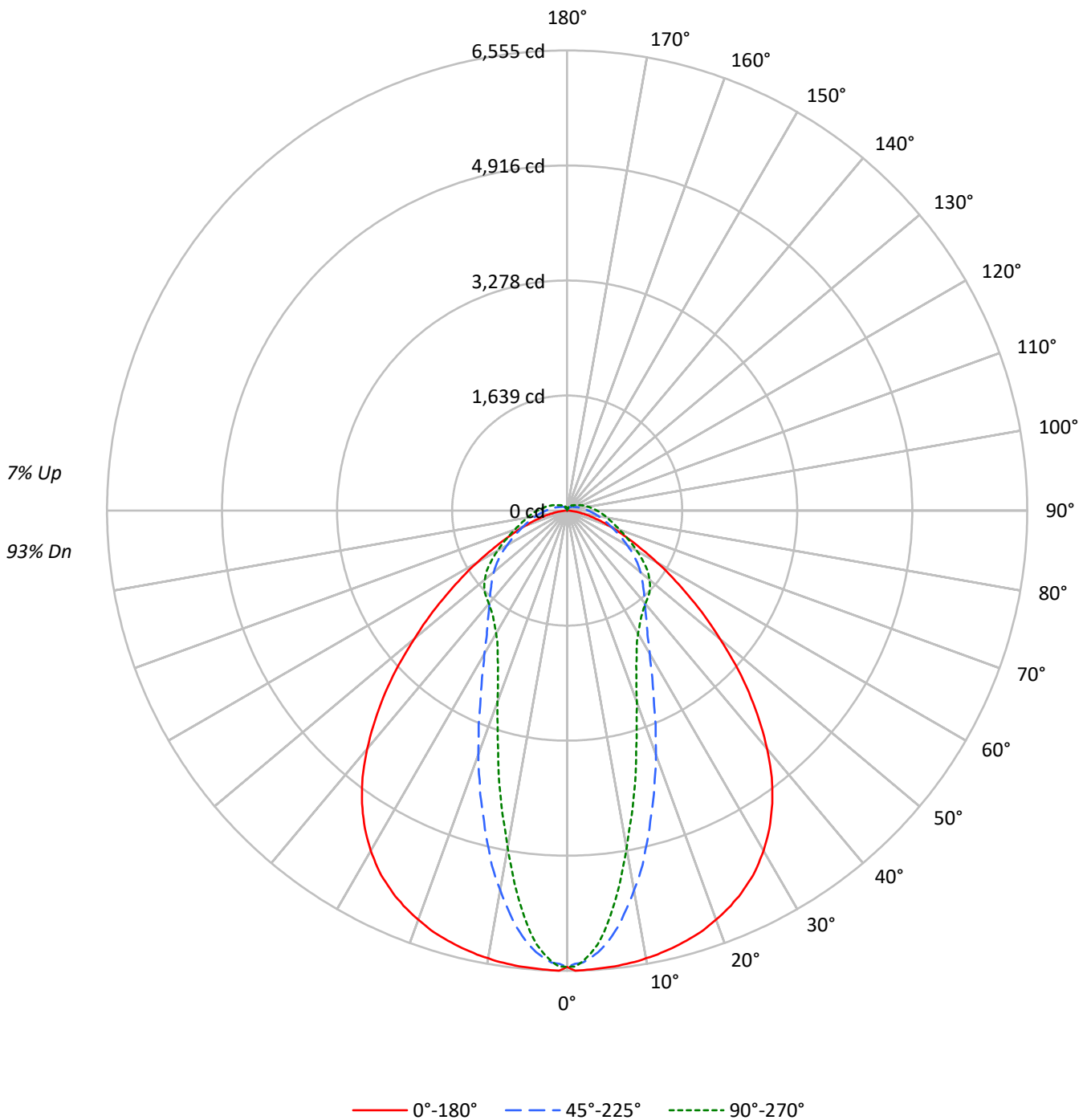
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10363.0 lumens
Efficiency: N/A
Efficacy: 161.4 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): 64.2
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	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°	34988	34988	34988
5°	35234	32197	30774
10°	35250	27638	23877
15°	35299	22570	17895
20°	35255	17999	13392
25°	35008	14119	10628
30°	34351	11438	9066
35°	32990	9690	8247
40°	30601	8564	7805
45°	27293	7844	7565
50°	23207	7227	7146
55°	19152	6557	6526
60°	15404	5776	5725
65°	12050	5079	4981
70°	9457	4500	4406
75°	7440	4053	4015
80°	5419	3719	3732
85°	3252	3478	3580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.7	5.6
10°-20°	1349.5	13.0
20°-30°	1601.8	15.5
30°-40°	1611.6	15.6
40°-50°	1498.1	14.5
50°-60°	1233.6	11.9
60°-70°	869.2	8.4
70°-80°	567.9	5.5
80°-90°	362.6	3.5
90°-100°	237.8	2.3
100°-110°	161.4	1.6
110°-120°	110.6	1.1
120°-130°	76.5	0.7
130°-140°	51.5	0.5
140°-150°	31.7	0.3
150°-160°	16.5	0.2
160°-170°	6.0	0.1
170°-180°	1.0	0.0
0°-30°	3527.0	34.0
0°-40°	5138.6	49.6
0°-60°	7870.3	75.9
0°-90°	9669.9	93.3
90°-120°	509.8	4.9
90°-150°	669.6	6.5
90°-180°	693.0	6.7
0°-180°	10363.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6501	6501	6501	6501	6501	
5°	6534	6447	6213	6094	6028	622
15°	6371	5692	4578	4003	3786	1799
25°	5952	4399	2916	2449	2346	2739
35°	5094	2976	1977	1852	1841	3168
45°	3661	1961	1532	1613	1656	2810
55°	2102	1287	1184	1314	1358	1898
65°	988	777	815	918	950	1003
75°	386	402	548	646	674	417
85°	65	185	369	478	500	82
90°	0	125	299	407	424	4
95°	0	92	250	342	358	0
105°	0	65	168	239	261	0
115°	5	54	120	174	185	5
125°	5	43	98	125	136	5
135°	5	38	76	98	103	4
145°	5	27	54	76	82	3
155°	5	22	38	54	60	2
165°	5	11	22	27	33	2
175°	11	11	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6501.0	6501.0	6501.0	6501.0	6501.0
1°	6555.3	6528.2	6457.6	6506.5	6495.6
2°	6549.9	6522.7	6441.3	6463.0	6425.0
3°	6544.5	6506.5	6381.5	6376.1	6321.8
4°	6539.0	6479.3	6305.5	6240.3	6196.9
5°	6533.6	6446.7	6213.2	6093.7	6028.5
6°	6528.2	6408.7	6093.7	5914.5	5822.1
7°	6517.3	6348.9	5968.8	5724.4	5604.9
8°	6506.5	6294.6	5811.3	5518.0	5371.4
9°	6495.6	6224.0	5653.8	5295.3	5121.5
10°	6473.9	6153.4	5490.8	5067.2	4882.6
11°	6463.0	6072.0	5333.3	4850.0	4632.7
12°	6441.3	5985.1	5165.0	4621.9	4431.8
13°	6419.6	5892.7	4958.6	4426.3	4198.2
14°	6397.8	5795.0	4779.4	4209.1	3997.3
15°	6370.7	5691.8	4578.4	4002.7	3785.5
16°	6343.5	5572.3	4399.2	3790.9	3562.8
17°	6316.4	5458.3	4230.8	3595.4	3389.0
18°	6283.8	5344.2	4035.3	3405.3	3204.3
19°	6240.3	5213.9	3877.8	3231.5	3046.8
20°	6202.3	5094.4	3698.6	3068.6	2905.6
21°	6158.9	4947.7	3519.3	2916.5	2753.6
22.5°	6093.7	4741.3	3291.2	2726.4	2574.3
23°	6061.1	4681.6	3198.9	2655.8	2525.5
24°	6017.7	4524.1	3046.8	2547.2	2416.8
25°	5952.5	4399.2	2916.5	2449.4	2346.2
26°	5892.7	4247.1	2786.2	2362.5	2259.3
27°	5833.0	4100.5	2672.1	2270.2	2183.3
28°	5757.0	3948.4	2547.2	2194.2	2118.1
29°	5675.5	3807.2	2444.0	2129.0	2069.2
30°	5594.0	3649.7	2357.1	2069.2	2020.4
32.5°	5365.9	3302.1	2134.4	1955.2	1922.6
35°	5094.4	2976.2	1976.9	1852.0	1841.1
37.5°	4790.2	2677.5	1835.7	1770.5	1781.4
40°	4431.8	2406.0	1716.2	1710.8	1732.5
42.5°	4051.6	2172.4	1623.9	1661.9	1694.5
45°	3660.6	1960.6	1531.6	1613.0	1656.5
47.5°	3253.2	1776.0	1450.1	1553.3	1602.2
50°	2840.5	1596.7	1363.2	1482.7	1531.6
52.5°	2471.1	1439.2	1276.3	1401.2	1455.5
55°	2101.8	1287.2	1184.0	1314.3	1357.8
57.5°	1781.4	1146.0	1086.2	1216.6	1249.2
60°	1482.7	1010.2	988.5	1107.9	1146.0
62.5°	1211.1	890.7	896.1	1010.2	1048.2
65°	988.5	776.6	814.7	917.9	950.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	803.8	668.0	733.2	841.8	869.0
70°	635.4	570.3	668.0	765.8	792.9
72.5°	505.1	483.4	602.9	706.0	727.8
75°	385.6	401.9	548.5	646.3	673.5
77.5°	277.0	336.7	494.2	597.4	619.1
80°	195.5	277.0	450.8	554.0	575.7
82.5°	124.9	228.1	407.3	516.0	537.7
85°	65.2	184.7	369.3	477.9	499.7
87.5°	27.2	152.1	331.3	439.9	461.6
90°	0.0	124.9	298.7	407.3	423.6
92.5°	0.0	108.6	271.6	374.7	391.0
95°	0.0	92.3	249.8	342.2	358.5
97.5°	0.0	86.9	222.7	315.0	331.3
100°	0.0	76.0	201.0	287.8	309.6
102.5°	0.0	70.6	184.7	260.7	282.4
105°	0.0	65.2	168.4	239.0	260.7
107.5°	0.0	59.7	157.5	222.7	239.0
110°	0.0	59.7	141.2	206.4	222.7
112.5°	5.4	54.3	130.3	184.7	201.0
115°	5.4	54.3	119.5	173.8	184.7
117.5°	5.4	54.3	114.1	157.5	168.4
120°	5.4	48.9	108.6	146.6	157.5
122.5°	5.4	48.9	103.2	135.8	141.2
125°	5.4	43.4	97.8	124.9	135.8
127.5°	5.4	43.4	92.3	119.5	124.9
130°	5.4	43.4	86.9	108.6	119.5
132.5°	5.4	38.0	81.5	103.2	108.6
135°	5.4	38.0	76.0	97.8	103.2
137.5°	5.4	32.6	70.6	92.3	97.8
140°	5.4	32.6	65.2	86.9	92.3
142.5°	5.4	27.2	59.7	81.5	86.9
145°	5.4	27.2	54.3	76.0	81.5
147.5°	5.4	27.2	48.9	70.6	76.0
150°	5.4	21.7	43.4	65.2	70.6
152.5°	5.4	21.7	38.0	59.7	65.2
155°	5.4	21.7	38.0	54.3	59.7
157.5°	5.4	16.3	32.6	43.4	54.3
160°	5.4	16.3	27.2	38.0	48.9
162.5°	5.4	16.3	27.2	32.6	38.0
165°	5.4	10.9	21.7	27.2	32.6
167.5°	5.4	10.9	16.3	21.7	27.2
170°	5.4	10.9	16.3	16.3	21.7
172.5°	5.4	10.9	10.9	10.9	10.9
175°	10.9	10.9	10.9	10.9	5.4
177.5°	10.9	10.9	10.9	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)