

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: P567225

Luminaire Tested: **8SNX-114SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567225
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-114SL-LN-UNV-L950-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

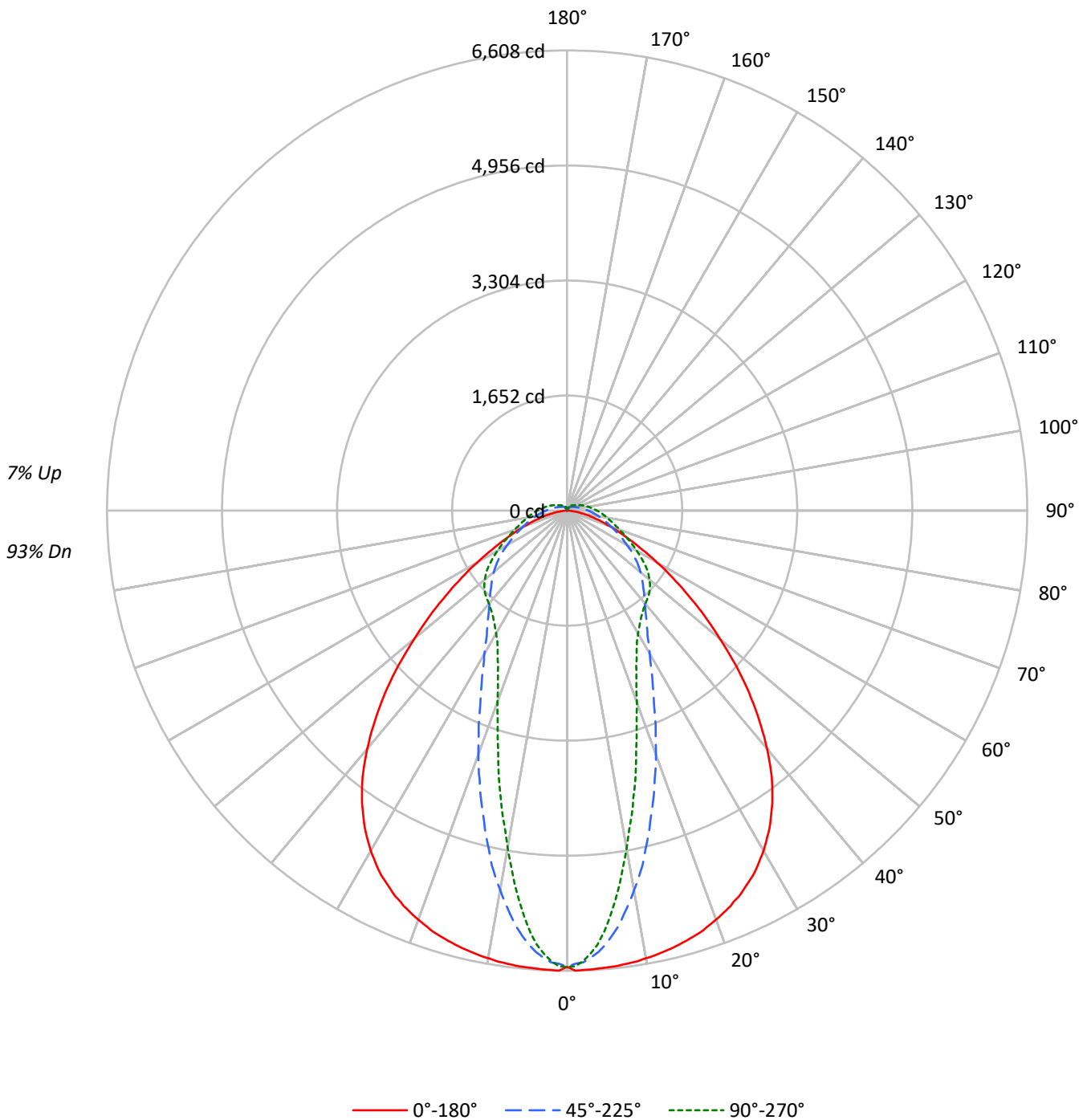
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10446.0 lumens
Efficiency: N/A
Efficacy: 131.6 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): 79.4
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°	35269	35269	35269
5°	35516	32455	31021
10°	35532	27859	24068
15°	35582	22751	18039
20°	35538	18143	13499
25°	35288	14232	10714
30°	34626	11530	9138
35°	33254	9768	8313
40°	30846	8633	7868
45°	27512	7907	7625
50°	23392	7285	7203
55°	19306	6610	6578
60°	15527	5822	5770
65°	12146	5120	5022
70°	9533	4537	4442
75°	7500	4085	4047
80°	5463	3749	3762
85°	3277	3506	3608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.3	5.6
10°-20°	1360.3	13.0
20°-30°	1614.7	15.5
30°-40°	1624.5	15.6
40°-50°	1510.1	14.5
50°-60°	1243.4	11.9
60°-70°	876.2	8.4
70°-80°	572.4	5.5
80°-90°	365.5	3.5
90°-100°	239.7	2.3
100°-110°	162.7	1.6
110°-120°	111.5	1.1
120°-130°	77.2	0.7
130°-140°	51.9	0.5
140°-150°	32.0	0.3
150°-160°	16.6	0.2
160°-170°	6.0	0.1
170°-180°	1.0	0.0
0°-30°	3555.3	34.0
0°-40°	5179.8	49.6
0°-60°	7933.3	75.9
0°-90°	9747.4	93.3
90°-120°	513.9	4.9
90°-150°	675.0	6.5
90°-180°	699.0	6.7
0°-180°	10446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6553	6553	6553	6553	6553	
5°	6586	6498	6263	6142	6077	627
15°	6422	5737	4615	4035	3816	1814
25°	6000	4434	2940	2469	2365	2761
35°	5135	3000	1993	1867	1856	3194
45°	3690	1976	1544	1626	1670	2833
55°	2119	1298	1194	1325	1369	1914
65°	996	783	821	925	958	1011
75°	389	405	553	652	679	420
85°	66	186	372	482	504	83
90°	0	126	301	411	427	4
95°	0	93	252	345	361	0
105°	0	66	170	241	263	0
115°	6	55	120	175	186	5
125°	6	44	98	126	137	5
135°	6	38	77	98	104	4
145°	6	27	55	77	82	3
155°	6	22	38	55	60	3
165°	6	11	22	27	33	2
175°	11	11	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6553.1	6553.1	6553.1	6553.1	6553.1
1°	6607.8	6580.5	6509.3	6558.6	6547.6
2°	6602.4	6575.0	6492.9	6514.8	6476.4
3°	6596.9	6558.6	6432.6	6427.2	6372.4
4°	6591.4	6531.2	6356.0	6290.3	6246.5
5°	6585.9	6498.3	6262.9	6142.5	6076.8
6°	6580.5	6460.0	6142.5	5961.8	5868.8
7°	6569.5	6399.8	6016.6	5770.2	5649.8
8°	6558.6	6345.1	5857.8	5562.2	5414.4
9°	6547.6	6273.9	5699.1	5337.7	5162.5
10°	6525.7	6202.7	5534.8	5107.8	4921.7
11°	6514.8	6120.6	5376.1	4888.8	4669.8
12°	6492.9	6033.0	5206.3	4658.9	4467.3
13°	6471.0	5939.9	4998.3	4461.8	4231.9
14°	6449.1	5841.4	4817.6	4242.8	4029.3
15°	6421.7	5737.4	4615.1	4034.8	3815.8
16°	6394.3	5616.9	4434.4	3821.3	3591.3
17°	6367.0	5502.0	4264.7	3624.2	3416.1
18°	6334.1	5387.0	4067.6	3432.6	3230.0
19°	6290.3	5255.6	3908.9	3257.4	3071.2
20°	6252.0	5135.2	3728.2	3093.1	2928.9
21°	6208.2	4987.4	3547.5	2939.9	2775.6
22.5°	6142.5	4779.3	3317.6	2748.2	2595.0
23°	6109.6	4719.1	3224.5	2677.1	2545.7
24°	6065.8	4560.3	3071.2	2567.6	2436.2
25°	6000.2	4434.4	2939.9	2469.0	2365.0
26°	5939.9	4281.1	2808.5	2381.4	2277.4
27°	5879.7	4133.3	2693.5	2288.4	2200.8
28°	5803.1	3980.0	2567.6	2211.7	2135.1
29°	5721.0	3837.7	2463.6	2146.0	2085.8
30°	5638.8	3678.9	2376.0	2085.8	2036.5
32.5°	5408.9	3328.6	2151.5	1970.9	1938.0
35°	5135.2	3000.1	1992.8	1866.8	1855.9
37.5°	4828.6	2699.0	1850.4	1784.7	1795.7
40°	4467.3	2425.2	1730.0	1724.5	1746.4
42.5°	4084.0	2189.8	1636.9	1675.2	1708.1
45°	3689.9	1976.3	1543.8	1626.0	1669.8
47.5°	3279.3	1790.2	1461.7	1565.7	1615.0
50°	2863.2	1609.5	1374.1	1494.6	1543.8
52.5°	2490.9	1450.8	1286.5	1412.4	1467.2
55°	2118.7	1297.5	1193.5	1324.9	1368.6
57.5°	1795.7	1155.1	1094.9	1226.3	1259.2
60°	1494.6	1018.3	996.4	1116.8	1155.1
62.5°	1220.8	897.8	903.3	1018.3	1056.6
65°	996.4	782.9	821.2	925.2	958.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	810.2	673.4	739.1	848.6	875.9
70°	640.5	574.8	673.4	771.9	799.3
72.5°	509.1	487.2	607.7	711.7	733.6
75°	388.7	405.1	552.9	651.5	678.8
77.5°	279.2	339.4	498.2	602.2	624.1
80°	197.1	279.2	454.4	558.4	580.3
82.5°	125.9	229.9	410.6	520.1	542.0
85°	65.7	186.1	372.3	481.8	503.7
87.5°	27.4	153.3	334.0	443.4	465.3
90°	0.0	125.9	301.1	410.6	427.0
92.5°	0.0	109.5	273.7	377.7	394.2
95°	0.0	93.1	251.8	344.9	361.3
97.5°	0.0	87.6	224.5	317.5	334.0
100°	0.0	76.6	202.6	290.2	312.1
102.5°	0.0	71.2	186.1	262.8	284.7
105°	0.0	65.7	169.7	240.9	262.8
107.5°	0.0	60.2	158.8	224.5	240.9
110°	0.0	60.2	142.3	208.0	224.5
112.5°	5.5	54.7	131.4	186.1	202.6
115°	5.5	54.7	120.4	175.2	186.1
117.5°	5.5	54.7	115.0	158.8	169.7
120°	5.5	49.3	109.5	147.8	158.8
122.5°	5.5	49.3	104.0	136.9	142.3
125°	5.5	43.8	98.5	125.9	136.9
127.5°	5.5	43.8	93.1	120.4	125.9
130°	5.5	43.8	87.6	109.5	120.4
132.5°	5.5	38.3	82.1	104.0	109.5
135°	5.5	38.3	76.6	98.5	104.0
137.5°	5.5	32.8	71.2	93.1	98.5
140°	5.5	32.8	65.7	87.6	93.1
142.5°	5.5	27.4	60.2	82.1	87.6
145°	5.5	27.4	54.7	76.6	82.1
147.5°	5.5	27.4	49.3	71.2	76.6
150°	5.5	21.9	43.8	65.7	71.2
152.5°	5.5	21.9	38.3	60.2	65.7
155°	5.5	21.9	38.3	54.7	60.2
157.5°	5.5	16.4	32.8	43.8	54.7
160°	5.5	16.4	27.4	38.3	49.3
162.5°	5.5	16.4	27.4	32.8	38.3
165°	5.5	10.9	21.9	27.4	32.8
167.5°	5.5	10.9	16.4	21.9	27.4
170°	5.5	10.9	16.4	16.4	21.9
172.5°	5.5	10.9	10.9	10.9	10.9
175°	10.9	10.9	10.9	10.9	5.5
177.5°	10.9	10.9	10.9	5.5	5.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)