

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: P567221

Luminaire Tested: **8SNX-114SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567221
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-L850-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

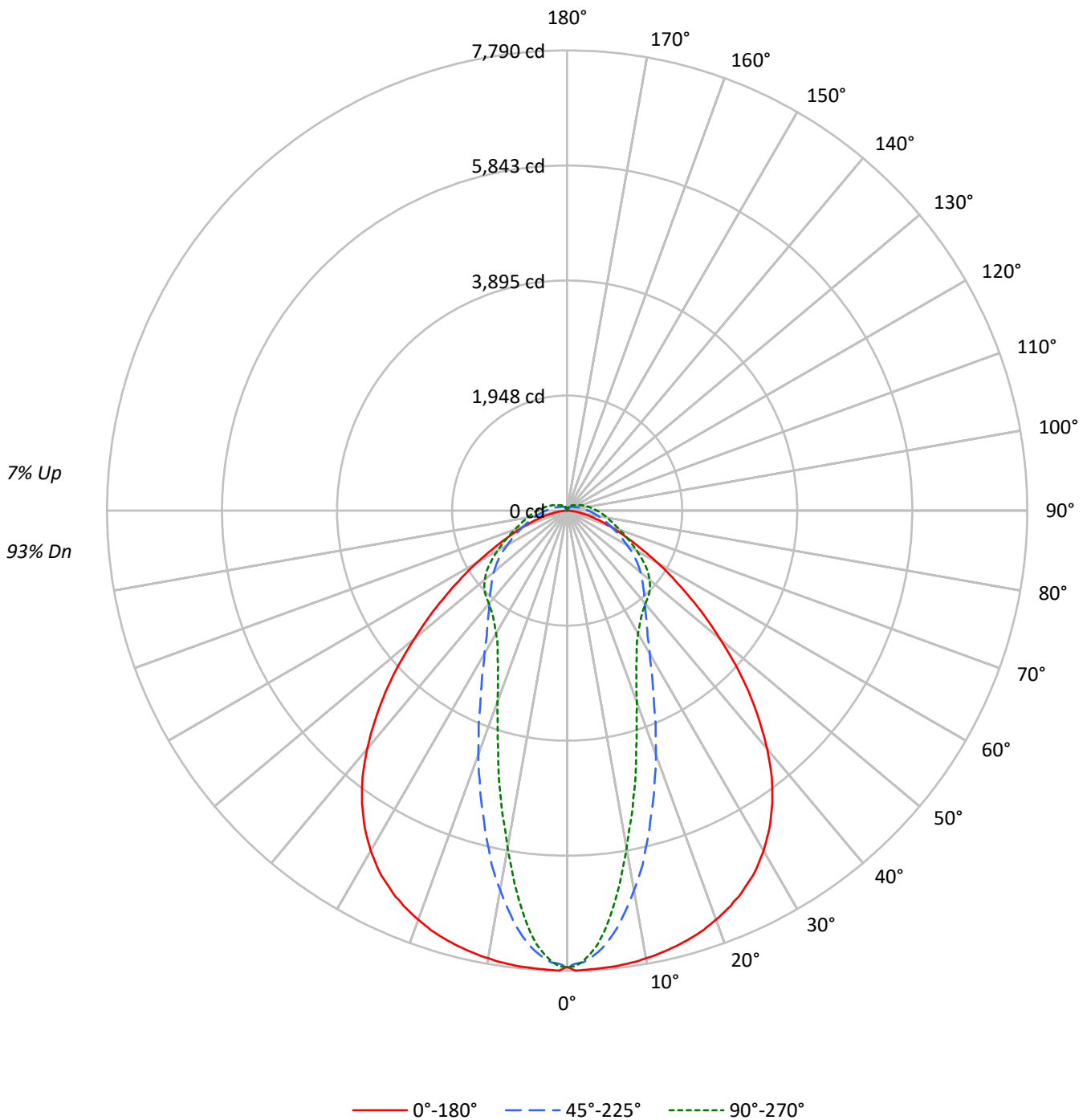
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12314.0 lumens
Efficiency: N/A
Efficacy: 155.1 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°	41575	41575	41575
5°	41867	38259	36568
10°	41887	32842	28372
15°	41945	26819	21264
20°	41893	21387	15913
25°	41598	16777	12629
30°	40818	13592	10773
35°	39201	11514	9800
40°	36362	10176	9275
45°	32431	9321	8989
50°	27575	8587	8491
55°	22757	7792	7755
60°	18303	6864	6802
65°	14319	6035	5920
70°	11239	5348	5236
75°	8841	4816	4770
80°	6439	4418	4435
85°	3860	4133	4253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.1	5.6
10°-20°	1603.5	13.0
20°-30°	1903.4	15.5
30°-40°	1915.0	15.6
40°-50°	1780.1	14.5
50°-60°	1465.8	11.9
60°-70°	1032.9	8.4
70°-80°	674.8	5.5
80°-90°	430.8	3.5
90°-100°	282.6	2.3
100°-110°	191.8	1.6
110°-120°	131.5	1.1
120°-130°	91.0	0.7
130°-140°	61.2	0.5
140°-150°	37.7	0.3
150°-160°	19.6	0.2
160°-170°	7.1	0.1
170°-180°	1.2	0.0
0°-30°	4191.0	34.0
0°-40°	6106.1	49.6
0°-60°	9352.0	75.9
0°-90°	11490.4	93.3
90°-120°	605.8	4.9
90°-150°	795.7	6.5
90°-180°	824.0	6.7
0°-180°	12314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7725	7725	7725	7725	7725	
5°	7764	7660	7383	7241	7164	739
15°	7570	6763	5440	4756	4498	2138
25°	7073	5227	3466	2911	2788	3255
35°	6054	3537	2349	2201	2188	3765
45°	4350	2330	1820	1917	1968	3339
55°	2498	1530	1407	1562	1613	2256
65°	1175	923	968	1091	1129	1192
75°	458	478	652	768	800	495
85°	77	219	439	568	594	97
90°	0	148	355	484	503	4
95°	0	110	297	407	426	0
105°	0	77	200	284	310	0
115°	6	64	142	206	219	6
125°	6	52	116	148	161	6
135°	6	45	90	116	123	5
145°	6	32	64	90	97	4
155°	6	26	45	64	71	3
165°	6	13	26	32	39	2
175°	13	13	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7724.9	7724.9	7724.9	7724.9	7724.9
1°	7789.5	7757.2	7673.3	7731.4	7718.5
2°	7783.0	7750.8	7654.0	7679.8	7634.6
3°	7776.6	7731.4	7583.0	7576.5	7512.0
4°	7770.1	7699.1	7492.6	7415.2	7363.5
5°	7763.7	7660.4	7382.9	7240.9	7163.5
6°	7757.2	7615.2	7240.9	7028.0	6918.2
7°	7744.3	7544.2	7092.5	6802.1	6660.1
8°	7731.4	7479.7	6905.3	6556.8	6382.6
9°	7718.5	7395.8	6718.2	6292.2	6085.7
10°	7692.7	7311.9	6524.6	6021.2	5801.8
11°	7679.8	7215.1	6337.4	5763.1	5504.9
12°	7654.0	7111.9	6137.4	5492.0	5266.1
13°	7628.1	7002.1	5892.1	5259.7	4988.6
14°	7602.3	6886.0	5679.2	5001.5	4749.8
15°	7570.1	6763.4	5440.4	4756.3	4498.1
16°	7537.8	6621.4	5227.4	4504.6	4233.6
17°	7505.5	6485.9	5027.3	4272.3	4027.0
18°	7466.8	6350.3	4795.0	4046.4	3807.6
19°	7415.2	6195.4	4607.9	3839.9	3620.5
20°	7370.0	6053.5	4394.9	3646.3	3452.7
21°	7318.4	5879.2	4181.9	3465.6	3272.0
22.5°	7240.9	5634.0	3910.9	3239.7	3059.0
23°	7202.2	5563.0	3801.2	3155.8	3000.9
24°	7150.6	5375.8	3620.5	3026.7	2871.8
25°	7073.1	5227.4	3465.6	2910.6	2787.9
26°	7002.1	5046.7	3310.7	2807.3	2684.7
27°	6931.2	4872.5	3175.2	2697.6	2594.3
28°	6840.8	4691.8	3026.7	2607.2	2516.9
29°	6744.0	4524.0	2904.1	2529.8	2458.8
30°	6647.2	4336.8	2800.9	2458.8	2400.7
32.5°	6376.1	3923.8	2536.3	2323.3	2284.6
35°	6053.5	3536.6	2349.1	2200.7	2187.8
37.5°	5692.1	3181.6	2181.3	2103.9	2116.8
40°	5266.1	2858.9	2039.3	2032.9	2058.7
42.5°	4814.4	2581.4	1929.6	1974.8	2013.5
45°	4349.7	2329.7	1819.9	1916.7	1968.3
47.5°	3865.7	2110.3	1723.1	1845.7	1903.8
50°	3375.2	1897.4	1619.8	1761.8	1819.9
52.5°	2936.4	1710.2	1516.6	1665.0	1729.6
55°	2497.5	1529.5	1406.9	1561.8	1613.4
57.5°	2116.8	1361.7	1290.7	1445.6	1484.3
60°	1761.8	1200.4	1174.6	1316.5	1361.7
62.5°	1439.1	1058.4	1064.8	1200.4	1245.5
65°	1174.6	922.9	968.0	1090.7	1129.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	955.1	793.8	871.2	1000.3	1032.6
70°	755.1	677.6	793.8	910.0	942.2
72.5°	600.2	574.4	716.3	839.0	864.8
75°	458.2	477.6	651.8	768.0	800.2
77.5°	329.1	400.1	587.3	709.9	735.7
80°	232.3	329.1	535.6	658.3	684.1
82.5°	148.4	271.1	484.0	613.1	638.9
85°	77.4	219.4	438.8	567.9	593.7
87.5°	32.3	180.7	393.7	522.7	548.6
90°	0.0	148.4	354.9	484.0	503.4
92.5°	0.0	129.1	322.7	445.3	464.7
95°	0.0	109.7	296.9	406.6	425.9
97.5°	0.0	103.3	264.6	374.3	393.7
100°	0.0	90.4	238.8	342.0	367.9
102.5°	0.0	83.9	219.4	309.8	335.6
105°	0.0	77.4	200.1	284.0	309.8
107.5°	0.0	71.0	187.2	264.6	284.0
110°	0.0	71.0	167.8	245.2	264.6
112.5°	6.5	64.5	154.9	219.4	238.8
115°	6.5	64.5	142.0	206.5	219.4
117.5°	6.5	64.5	135.5	187.2	200.1
120°	6.5	58.1	129.1	174.2	187.2
122.5°	6.5	58.1	122.6	161.3	167.8
125°	6.5	51.6	116.2	148.4	161.3
127.5°	6.5	51.6	109.7	142.0	148.4
130°	6.5	51.6	103.3	129.1	142.0
132.5°	6.5	45.2	96.8	122.6	129.1
135°	6.5	45.2	90.4	116.2	122.6
137.5°	6.5	38.7	83.9	109.7	116.2
140°	6.5	38.7	77.4	103.3	109.7
142.5°	6.5	32.3	71.0	96.8	103.3
145°	6.5	32.3	64.5	90.4	96.8
147.5°	6.5	32.3	58.1	83.9	90.4
150°	6.5	25.8	51.6	77.4	83.9
152.5°	6.5	25.8	45.2	71.0	77.4
155°	6.5	25.8	45.2	64.5	71.0
157.5°	6.5	19.4	38.7	51.6	64.5
160°	6.5	19.4	32.3	45.2	58.1
162.5°	6.5	19.4	32.3	38.7	45.2
165°	6.5	12.9	25.8	32.3	38.7
167.5°	6.5	12.9	19.4	25.8	32.3
170°	6.5	12.9	19.4	19.4	25.8
172.5°	6.5	12.9	12.9	12.9	12.9
175°	12.9	12.9	12.9	12.9	6.5
177.5°	12.9	12.9	12.9	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)