

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: P565953

Luminaire Tested: **4SNX-100HL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-100HL-LC-UNV-L850-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

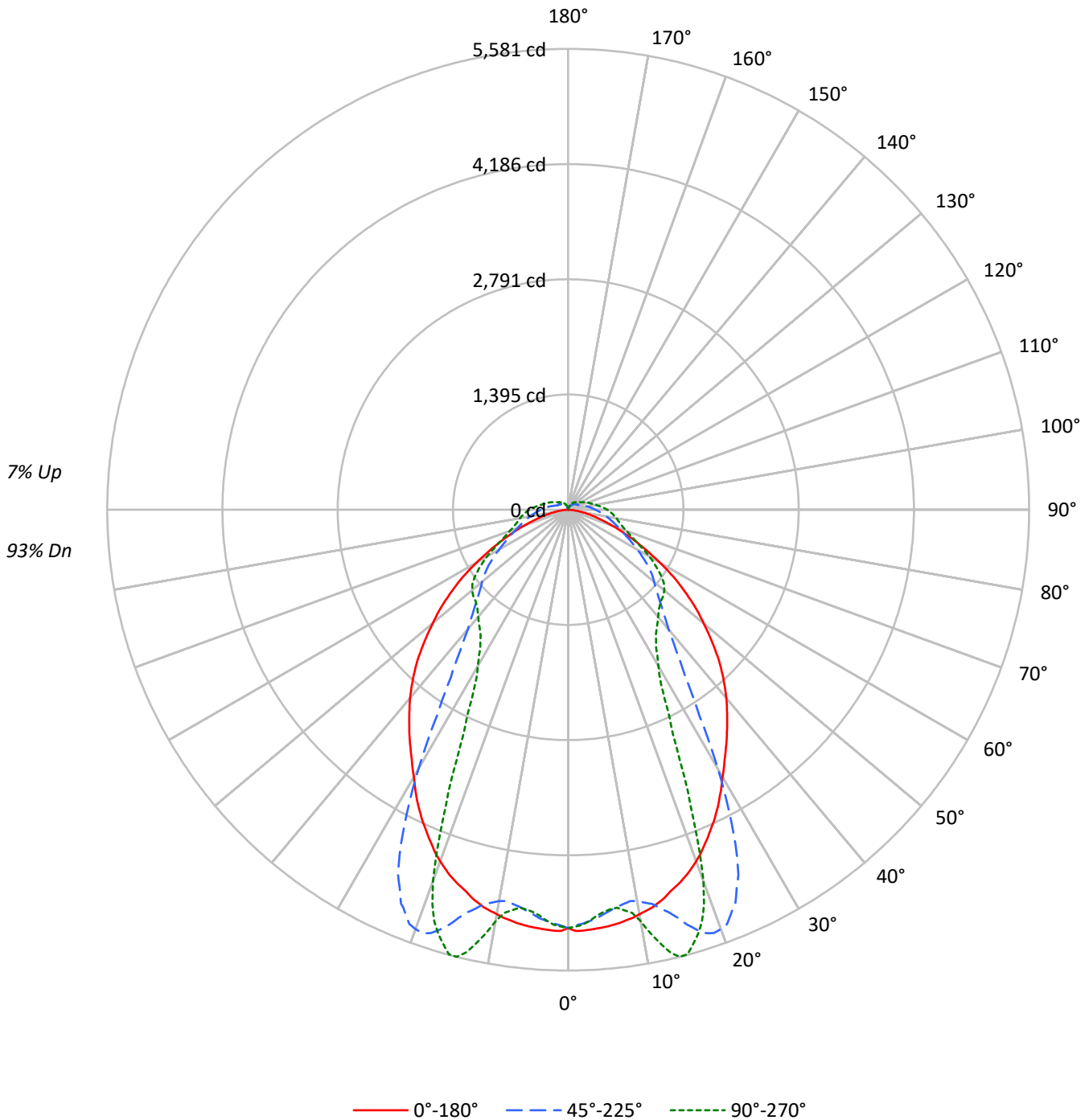
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11264.0 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 72.5
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	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	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	68	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	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54554	54554	54554
5°	54619	50914	49936
10°	53966	48344	49518
15°	52709	50285	52715
20°	51114	52369	44119
25°	48548	46942	27128
30°	45358	34935	19633
35°	42752	24092	16562
40°	40418	18681	15264
45°	37699	15890	14435
50°	34158	14247	14171
55°	30432	12869	13111
60°	25657	11122	11341
65°	20708	9673	9465
70°	16076	8678	8333
75°	12255	8052	7771
80°	8363	7605	7692
85°	4317	7232	7638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.6	4.2
10°-20°	1441.1	12.8
20°-30°	1940.4	17.2
30°-40°	1836.4	16.3
40°-50°	1620.9	14.4
50°-60°	1316.5	11.7
60°-70°	895.4	7.9
70°-80°	576.1	5.1
80°-90°	383.1	3.4
90°-100°	263.3	2.3
100°-110°	176.7	1.6
110°-120°	124.6	1.1
120°-130°	89.1	0.8
130°-140°	62.8	0.6
140°-150°	39.0	0.3
150°-160°	19.0	0.2
160°-170°	6.7	0.1
170°-180°	1.2	0.0
0°-30°	3853.1	34.2
0°-40°	5689.5	50.5
0°-60°	8627.0	76.6
0°-90°	10481.6	93.1
90°-120°	564.6	5.0
90°-150°	755.6	6.7
90°-180°	782.0	6.9
0°-180°	11264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5068	5068	5068	5068	5068	
5°	5073	5027	4919	4915	4891	481
15°	4783	4752	5118	5570	5576	1348
25°	4167	4941	4876	3541	2994	1912
35°	3348	4698	2476	1907	1849	2095
45°	2580	3161	1567	1548	1580	1981
55°	1718	1869	1176	1314	1364	1534
65°	886	1008	788	875	903	889
75°	340	476	556	623	652	371
85°	52	203	394	499	533	68
90°	2	141	328	442	471	3
95°	2	108	277	375	401	1
105°	3	76	182	256	287	3
115°	3	65	134	191	215	4
125°	5	55	115	144	155	5
135°	7	43	95	120	127	5
145°	7	31	67	93	102	5
155°	9	19	41	62	70	4
165°	9	12	22	31	38	3
175°	10	10	10	10	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5068.2	5068.2	5068.2	5068.2	5068.2
1°	5102.6	5087.2	5035.6	5063.1	5049.3
2°	5100.9	5075.1	5016.7	5047.6	5030.4
3°	5092.3	5064.8	4989.1	5008.1	4982.3
4°	5083.7	5051.0	4959.9	4959.9	4930.7
5°	5073.4	5027.0	4918.6	4915.2	4891.1
6°	5061.4	5008.1	4882.5	4879.1	4865.3
7°	5044.2	4975.4	4843.0	4867.0	4856.7
8°	5023.5	4944.4	4822.3	4882.5	4898.0
9°	5004.6	4906.6	4798.2	4930.7	4942.7
10°	4973.7	4872.2	4813.7	5027.0	5063.1
11°	4947.9	4843.0	4848.1	5121.6	5229.9
12°	4922.1	4812.0	4880.8	5240.2	5372.6
13°	4879.1	4787.9	4953.0	5369.2	5505.1
14°	4841.2	4769.0	5023.5	5499.9	5580.7
15°	4782.8	4751.8	5118.1	5570.4	5575.6
16°	4743.2	4739.8	5228.2	5575.6	5479.3
17°	4698.5	4734.6	5317.6	5486.2	5372.6
18°	4648.6	4744.9	5391.6	5374.4	5243.7
19°	4591.9	4755.2	5422.5	5219.6	5051.0
20°	4529.9	4770.7	5405.3	5057.9	4786.2
21°	4468.0	4791.4	5372.6	4887.7	4438.8
22.5°	4352.8	4841.2	5217.9	4409.6	3864.4
23°	4320.1	4851.6	5181.8	4259.9	3714.8
24°	4239.3	4894.5	5016.7	3910.8	3319.2
25°	4167.1	4941.0	4875.6	3541.1	2994.2
26°	4086.2	4975.4	4662.4	3200.5	2794.7
27°	4007.1	4996.0	4419.9	2935.7	2571.1
28°	3916.0	5018.4	4156.8	2707.0	2402.6
29°	3830.0	5021.8	3897.1	2524.7	2270.1
30°	3737.1	5004.6	3623.6	2378.5	2187.6
32.5°	3534.2	4910.0	2954.6	2099.9	1981.2
35°	3348.4	4698.5	2476.5	1907.3	1848.8
37.5°	3161.0	4364.8	2141.1	1786.9	1768.0
40°	2977.0	3969.3	1888.3	1690.6	1694.0
42.5°	2782.6	3561.7	1714.6	1611.5	1626.9
45°	2579.7	3161.0	1566.7	1547.8	1580.5
47.5°	2354.4	2794.7	1449.8	1506.5	1556.4
50°	2141.1	2431.8	1358.6	1467.0	1518.6
52.5°	1938.2	2134.3	1276.1	1399.9	1460.1
55°	1718.1	1869.4	1176.3	1313.9	1363.8
57.5°	1508.3	1630.4	1071.4	1207.3	1252.0
60°	1277.8	1394.8	964.8	1092.1	1135.1
62.5°	1069.7	1193.5	873.7	976.8	1011.2
65°	885.7	1007.8	787.7	875.4	902.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	722.3	853.0	717.2	791.1	816.9
70°	569.3	706.8	655.2	722.3	749.8
72.5°	445.4	584.7	603.6	665.6	693.1
75°	340.5	476.4	555.5	622.6	651.8
77.5°	252.8	388.7	510.8	588.2	619.1
80°	166.8	309.6	471.2	557.2	593.3
82.5°	104.9	249.4	431.7	526.3	564.1
85°	51.6	202.9	393.8	498.7	533.1
87.5°	17.2	168.5	359.4	471.2	500.5
90°	1.7	141.0	328.5	442.0	471.2
92.5°	1.7	122.1	302.7	407.6	436.8
95°	1.7	108.3	276.9	374.9	400.7
97.5°	1.7	98.0	252.8	340.5	368.0
100°	1.7	87.7	227.0	307.8	337.1
102.5°	3.4	80.8	204.7	280.3	311.3
105°	3.4	75.7	182.3	256.2	287.2
107.5°	3.4	72.2	163.4	237.3	266.6
110°	3.4	68.8	149.6	220.1	251.1
112.5°	3.4	67.1	141.0	204.7	233.9
115°	3.4	65.4	134.1	190.9	215.0
117.5°	5.2	63.6	129.0	177.1	196.1
120°	5.2	60.2	125.5	165.1	180.6
122.5°	5.2	56.8	120.4	154.8	166.8
125°	5.2	55.0	115.2	144.5	154.8
127.5°	5.2	51.6	110.1	135.9	146.2
130°	6.9	48.2	104.9	129.0	137.6
132.5°	6.9	44.7	99.7	125.5	132.4
135°	6.9	43.0	94.6	120.4	127.3
137.5°	6.9	39.6	89.4	115.2	122.1
140°	6.9	36.1	82.6	108.3	115.2
142.5°	6.9	34.4	75.7	101.5	108.3
145°	6.9	31.0	67.1	92.9	101.5
147.5°	8.6	29.2	60.2	86.0	92.9
150°	8.6	25.8	53.3	79.1	86.0
152.5°	8.6	22.4	46.4	70.5	77.4
155°	8.6	18.9	41.3	61.9	70.5
157.5°	8.6	17.2	36.1	51.6	61.9
160°	8.6	15.5	31.0	44.7	53.3
162.5°	8.6	13.8	27.5	37.8	46.4
165°	8.6	12.0	22.4	31.0	37.8
167.5°	10.3	12.0	18.9	24.1	31.0
170°	10.3	12.0	15.5	18.9	24.1
172.5°	10.3	10.3	12.0	13.8	15.5
175°	10.3	10.3	10.3	10.3	8.6
177.5°	10.3	10.3	10.3	8.6	8.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.6	8.6	8.6	8.6	8.6

(END OF REPORT)