

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: P567172

Luminaire Tested: **8SNX-102SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567172
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-102SL-LN-UNV-L840-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

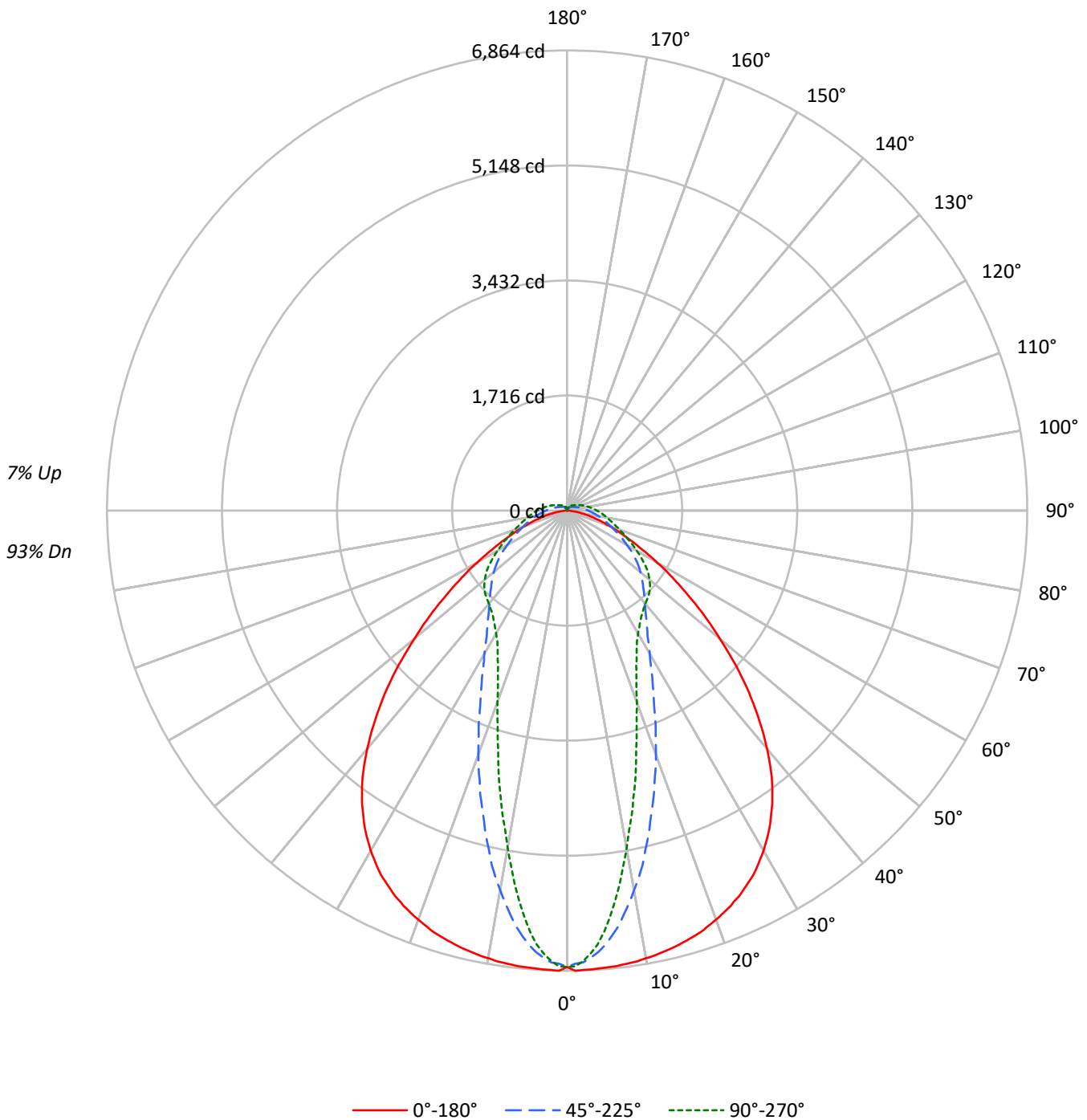
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10851.0 lumens
Efficiency: N/A
Efficacy: 155.0 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): 70
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°	36636	36636	36636
5°	36893	33714	32223
10°	36910	28940	25001
15°	36962	23633	18738
20°	36916	18846	14023
25°	36656	14783	11129
30°	35969	11977	9493
35°	34543	10146	8635
40°	32042	8967	8173
45°	28578	8213	7921
50°	24299	7567	7483
55°	20054	6866	6834
60°	16129	6048	5994
65°	12617	5318	5216
70°	9904	4713	4614
75°	7791	4244	4204
80°	5674	3894	3908
85°	3401	3642	3748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.8	5.6
10°-20°	1413.0	13.0
20°-30°	1677.3	15.5
30°-40°	1687.5	15.6
40°-50°	1568.6	14.5
50°-60°	1291.7	11.9
60°-70°	910.2	8.4
70°-80°	594.6	5.5
80°-90°	379.6	3.5
90°-100°	249.0	2.3
100°-110°	169.0	1.6
110°-120°	115.9	1.1
120°-130°	80.2	0.7
130°-140°	53.9	0.5
140°-150°	33.2	0.3
150°-160°	17.2	0.2
160°-170°	6.2	0.1
170°-180°	1.1	0.0
0°-30°	3693.1	34.0
0°-40°	5380.6	49.6
0°-60°	8240.9	75.9
0°-90°	10125.3	93.3
90°-120°	533.9	4.9
90°-150°	701.2	6.5
90°-180°	726.0	6.7
0°-180°	10851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6807	6807	6807	6807	6807	
5°	6841	6750	6506	6381	6312	651
15°	6671	5960	4794	4191	3964	1884
25°	6233	4606	3054	2565	2457	2868
35°	5334	3116	2070	1939	1928	3317
45°	3833	2053	1604	1689	1734	2943
55°	2201	1348	1240	1376	1422	1988
65°	1035	813	853	961	995	1050
75°	404	421	574	677	705	437
85°	68	193	387	500	523	86
90°	0	131	313	426	444	4
95°	0	97	262	358	375	0
105°	0	68	176	250	273	0
115°	6	57	125	182	193	5
125°	6	46	102	131	142	5
135°	6	40	80	102	108	4
145°	6	28	57	80	85	4
155°	6	23	40	57	63	3
165°	6	11	23	28	34	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°	6807.2	6807.2	6807.2	6807.2	6807.2
1°	6864.0	6835.6	6761.7	6812.8	6801.5
2°	6858.3	6829.9	6744.6	6767.3	6727.5
3°	6852.7	6812.8	6682.0	6676.4	6619.5
4°	6847.0	6784.4	6602.4	6534.2	6488.7
5°	6841.3	6750.3	6505.8	6380.6	6312.4
6°	6835.6	6710.5	6380.6	6193.0	6096.3
7°	6824.2	6647.9	6249.8	5993.9	5868.8
8°	6812.8	6591.1	6084.9	5777.8	5624.3
9°	6801.5	6517.1	5920.0	5544.7	5362.7
10°	6778.7	6443.2	5749.4	5305.8	5112.5
11°	6767.3	6357.9	5584.5	5078.4	4850.9
12°	6744.6	6266.9	5408.2	4839.5	4640.5
13°	6721.9	6170.2	5192.1	4634.8	4395.9
14°	6699.1	6067.9	5004.4	4407.3	4185.5
15°	6670.7	5959.8	4794.0	4191.2	3963.7
16°	6642.2	5834.7	4606.3	3969.4	3730.6
17°	6613.8	5715.3	4430.1	3764.7	3548.6
18°	6579.7	5595.9	4225.3	3565.7	3355.2
19°	6534.2	5459.4	4060.4	3383.7	3190.3
20°	6494.4	5334.3	3872.7	3213.1	3042.5
21°	6448.9	5180.7	3685.1	3053.8	2883.2
22.5°	6380.6	4964.6	3446.2	2854.8	2695.6
23°	6346.5	4902.1	3349.6	2780.9	2644.4
24°	6301.0	4737.1	3190.3	2667.1	2530.6
25°	6232.8	4606.3	3053.8	2564.8	2456.7
26°	6170.2	4447.1	2917.4	2473.8	2365.7
27°	6107.7	4293.6	2797.9	2377.1	2286.1
28°	6028.1	4134.3	2667.1	2297.5	2217.9
29°	5942.8	3986.5	2559.1	2229.2	2166.7
30°	5857.5	3821.6	2468.1	2166.7	2115.5
32.5°	5618.6	3457.6	2234.9	2047.3	2013.1
35°	5334.3	3116.4	2070.0	1939.2	1927.8
37.5°	5015.8	2803.6	1922.2	1853.9	1865.3
40°	4640.5	2519.3	1797.0	1791.4	1814.1
42.5°	4242.4	2274.7	1700.4	1740.2	1774.3
45°	3832.9	2053.0	1603.7	1689.0	1734.5
47.5°	3406.4	1859.6	1518.4	1626.4	1677.6
50°	2974.2	1671.9	1427.4	1552.5	1603.7
52.5°	2587.5	1507.0	1336.4	1467.2	1524.1
55°	2200.8	1347.8	1239.7	1376.2	1421.7
57.5°	1865.3	1199.9	1137.4	1273.9	1308.0
60°	1552.5	1057.8	1035.0	1160.1	1199.9
62.5°	1268.2	932.6	938.3	1057.8	1097.6
65°	1035.0	813.2	853.0	961.1	995.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	841.7	699.5	767.7	881.5	909.9
70°	665.4	597.1	699.5	801.8	830.3
72.5°	528.9	506.1	631.2	739.3	762.0
75°	403.8	420.8	574.4	676.7	705.2
77.5°	290.0	352.6	517.5	625.6	648.3
80°	204.7	290.0	472.0	580.1	602.8
82.5°	130.8	238.8	426.5	540.3	563.0
85°	68.2	193.4	386.7	500.4	523.2
87.5°	28.4	159.2	346.9	460.6	483.4
90°	0.0	130.8	312.8	426.5	443.6
92.5°	0.0	113.7	284.3	392.4	409.5
95°	0.0	96.7	261.6	358.3	375.3
97.5°	0.0	91.0	233.2	329.8	346.9
100°	0.0	79.6	210.4	301.4	324.2
102.5°	0.0	73.9	193.4	273.0	295.7
105°	0.0	68.2	176.3	250.2	273.0
107.5°	0.0	62.6	164.9	233.2	250.2
110°	0.0	62.6	147.9	216.1	233.2
112.5°	5.7	56.9	136.5	193.4	210.4
115°	5.7	56.9	125.1	182.0	193.4
117.5°	5.7	56.9	119.4	164.9	176.3
120°	5.7	51.2	113.7	153.5	164.9
122.5°	5.7	51.2	108.1	142.2	147.9
125°	5.7	45.5	102.4	130.8	142.2
127.5°	5.7	45.5	96.7	125.1	130.8
130°	5.7	45.5	91.0	113.7	125.1
132.5°	5.7	39.8	85.3	108.1	113.7
135°	5.7	39.8	79.6	102.4	108.1
137.5°	5.7	34.1	73.9	96.7	102.4
140°	5.7	34.1	68.2	91.0	96.7
142.5°	5.7	28.4	62.6	85.3	91.0
145°	5.7	28.4	56.9	79.6	85.3
147.5°	5.7	28.4	51.2	73.9	79.6
150°	5.7	22.7	45.5	68.2	73.9
152.5°	5.7	22.7	39.8	62.6	68.2
155°	5.7	22.7	39.8	56.9	62.6
157.5°	5.7	17.1	34.1	45.5	56.9
160°	5.7	17.1	28.4	39.8	51.2
162.5°	5.7	17.1	28.4	34.1	39.8
165°	5.7	11.4	22.7	28.4	34.1
167.5°	5.7	11.4	17.1	22.7	28.4
170°	5.7	11.4	17.1	17.1	22.7
172.5°	5.7	11.4	11.4	11.4	11.4
175°	11.4	11.4	11.4	11.4	5.7
177.5°	11.4	11.4	11.4	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)