

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: P567164

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-102SL-LC-UNV-L840-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

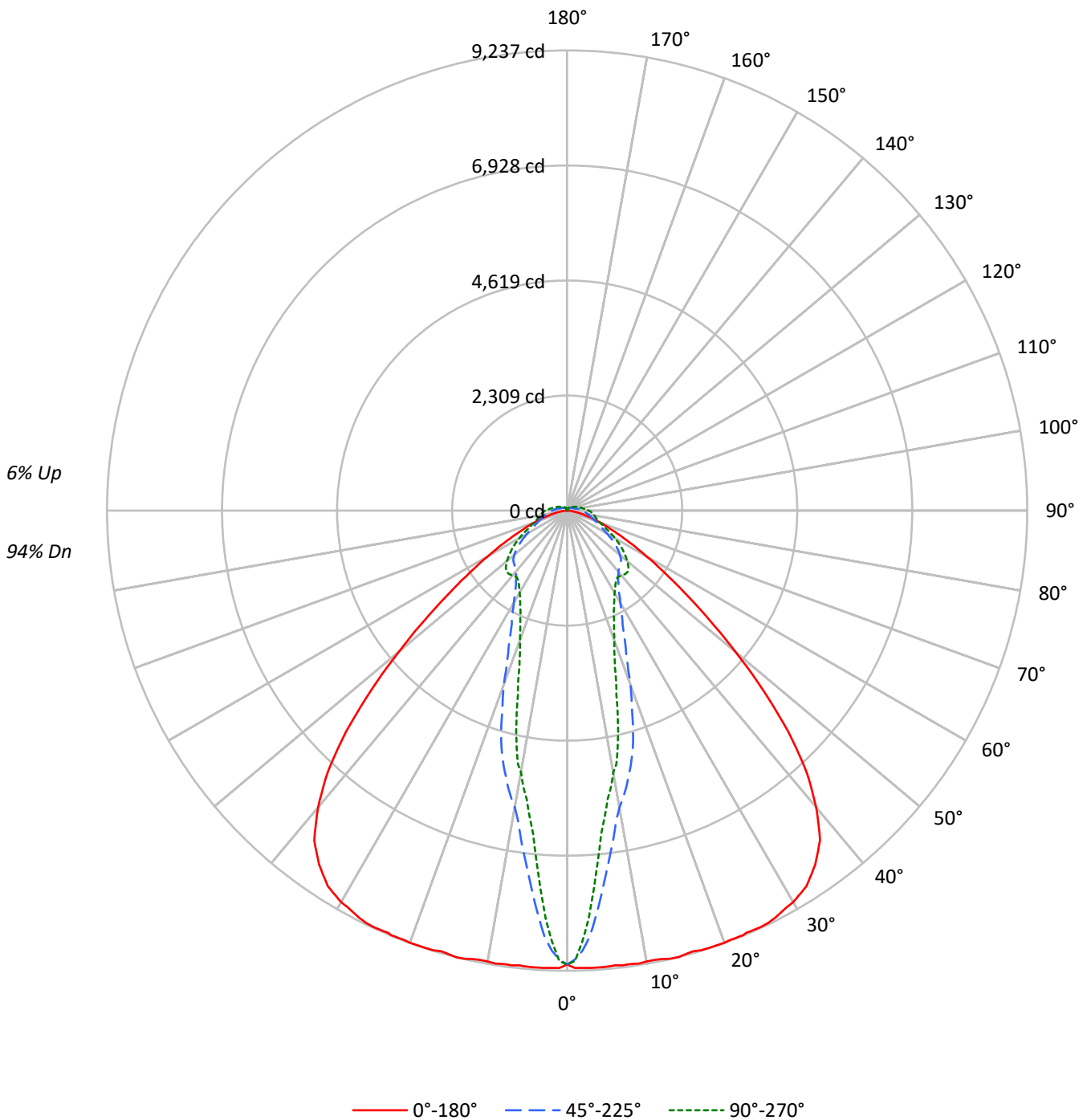
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11230.0 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49031	49031	49031
5°	49564	40321	36047
10°	50044	30475	26089
15°	51053	24938	18065
20°	52473	18064	12759
25°	54223	12955	10037
30°	55732	10361	8548
35°	56201	8773	7656
40°	53727	7984	7675
45°	46772	7722	7884
50°	36017	7353	7357
55°	26220	6438	6528
60°	19132	5381	5520
65°	14031	4557	4525
70°	10450	4032	3902
75°	7550	3742	3637
80°	5106	3513	3582
85°	2583	3360	3587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.5	6.4
10°-20°	1555.8	13.9
20°-30°	1780.9	15.9
30°-40°	1784.0	15.9
40°-50°	1688.8	15.0
50°-60°	1295.2	11.5
60°-70°	834.8	7.4
70°-80°	532.4	4.7
80°-90°	353.5	3.1
90°-100°	237.6	2.1
100°-110°	156.6	1.4
110°-120°	108.9	1.0
120°-130°	76.0	0.7
130°-140°	52.8	0.5
140°-150°	32.3	0.3
150°-160°	16.4	0.1
160°-170°	6.3	0.1
170°-180°	1.2	0.0
0°-30°	4053.1	36.1
0°-40°	5837.2	52.0
0°-60°	8821.2	78.5
0°-90°	10541.9	93.9
90°-120°	503.2	4.5
90°-150°	664.2	5.9
90°-180°	688.0	6.1
0°-180°	11230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9110	9110	9110	9110	9110	
5°	9191	8684	7781	7257	7062	877
15°	9214	6636	5059	4155	3821	2613
25°	9220	4696	2676	2325	2216	4250
35°	8679	2613	1790	1732	1709	5385
45°	6273	1652	1508	1669	1726	4769
55°	2878	1180	1162	1306	1358	2646
65°	1151	742	731	834	863	1184
75°	391	403	506	581	610	430
85°	52	184	357	466	501	71
90°	0	127	299	414	432	2
95°	0	92	248	340	357	0
105°	0	69	161	230	248	4
115°	6	58	121	167	178	6
125°	6	52	104	121	127	5
135°	6	40	81	98	104	4
145°	6	29	58	75	81	4
155°	6	17	34	52	58	3
165°	12	12	23	29	34	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9110.3	9110.3	9110.3	9110.3	9110.3
1°	9185.1	9133.3	9012.5	9047.0	9041.3
2°	9185.1	9075.8	8839.8	8770.8	8667.2
3°	9190.9	8978.0	8575.1	8350.6	8206.8
4°	9190.9	8834.1	8183.8	7809.7	7625.5
5°	9190.9	8684.4	7780.9	7257.2	7061.5
6°	9179.4	8506.0	7372.3	6819.8	6526.3
7°	9196.6	8310.4	7004.0	6411.2	6181.0
8°	9190.9	8080.2	6664.4	6100.4	5847.2
9°	9208.2	7855.7	6296.1	5806.9	5617.0
10°	9190.9	7648.5	6054.4	5530.6	5335.0
11°	9190.9	7447.1	5881.7	5352.2	5185.3
12°	9202.4	7216.9	5691.8	5099.0	4868.8
13°	9231.2	6980.9	5473.1	4822.8	4552.3
14°	9236.9	6802.5	5271.7	4471.7	4189.7
15°	9213.9	6635.6	5058.7	4155.2	3821.4
16°	9202.4	6463.0	4805.5	3855.9	3556.7
17°	9225.4	6261.5	4517.8	3550.9	3274.7
18°	9231.2	6077.4	4212.7	3320.7	3079.0
19°	9231.2	5933.5	3965.3	3107.8	2900.6
20°	9231.2	5795.4	3712.0	2946.6	2768.2
21°	9219.7	5622.7	3424.3	2779.7	2630.1
22.5°	9225.4	5300.4	3096.2	2584.0	2463.2
23°	9208.2	5219.9	3015.7	2532.2	2405.6
24°	9213.9	4989.7	2843.0	2428.7	2307.8
25°	9219.7	4696.2	2676.1	2325.1	2215.7
26°	9208.2	4460.2	2538.0	2227.2	2152.4
27°	9179.4	4270.3	2440.2	2146.7	2077.6
28°	9139.1	4017.1	2336.6	2077.6	2014.3
29°	9098.8	3729.3	2233.0	2002.8	1956.7
30°	9075.8	3499.1	2135.1	1945.2	1904.9
32.5°	8937.7	3044.4	1933.7	1830.1	1795.6
35°	8678.7	2612.8	1789.8	1732.3	1709.3
37.5°	8339.1	2279.0	1680.5	1669.0	1674.7
40°	7780.9	2014.3	1599.9	1651.7	1703.5
42.5°	7113.3	1807.1	1542.4	1669.0	1726.5
45°	6273.1	1651.7	1507.8	1669.0	1726.5
47.5°	5340.7	1525.1	1467.6	1611.4	1669.0
50°	4408.4	1410.0	1387.0	1525.1	1576.9
52.5°	3585.4	1300.7	1283.4	1415.8	1467.6
55°	2877.5	1179.8	1162.5	1306.4	1358.2
57.5°	2307.8	1064.7	1047.4	1179.8	1231.6
60°	1841.6	949.6	920.8	1053.2	1105.0
62.5°	1467.6	840.2	823.0	938.1	984.1
65°	1151.0	742.4	730.9	834.5	863.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	909.3	650.3	656.1	742.4	776.9
70°	702.1	564.0	598.5	679.1	702.1
72.5°	529.5	477.7	552.5	621.6	650.3
75°	391.3	402.9	506.4	581.3	610.0
77.5°	270.5	333.8	466.2	546.7	575.5
80°	184.2	270.5	425.9	518.0	552.5
82.5°	109.3	224.4	391.3	489.2	529.5
85°	51.8	184.2	356.8	466.2	500.7
87.5°	17.3	149.6	322.3	443.1	471.9
90°	0.0	126.6	299.3	414.4	431.6
92.5°	0.0	109.3	270.5	379.8	391.3
95°	0.0	92.1	247.5	339.6	356.8
97.5°	0.0	86.3	230.2	305.0	328.0
100°	0.0	80.6	207.2	276.2	299.3
102.5°	0.0	69.1	184.2	247.5	270.5
105°	0.0	69.1	161.1	230.2	247.5
107.5°	5.8	63.3	149.6	207.2	230.2
110°	5.8	63.3	132.4	195.7	212.9
112.5°	5.8	63.3	126.6	178.4	201.4
115°	5.8	57.6	120.9	166.9	178.4
117.5°	5.8	57.6	115.1	149.6	161.1
120°	5.8	51.8	109.3	138.1	143.9
122.5°	5.8	51.8	103.6	126.6	132.4
125°	5.8	51.8	103.6	120.9	126.6
127.5°	5.8	46.0	97.8	115.1	115.1
130°	5.8	46.0	92.1	109.3	109.3
132.5°	5.8	40.3	86.3	103.6	109.3
135°	5.8	40.3	80.6	97.8	103.6
137.5°	5.8	34.5	74.8	92.1	97.8
140°	5.8	34.5	69.1	86.3	92.1
142.5°	5.8	28.8	63.3	80.6	86.3
145°	5.8	28.8	57.6	74.8	80.6
147.5°	5.8	28.8	51.8	69.1	74.8
150°	5.8	23.0	46.0	63.3	69.1
152.5°	5.8	23.0	40.3	57.6	63.3
155°	5.8	17.3	34.5	51.8	57.6
157.5°	5.8	17.3	34.5	46.0	51.8
160°	11.5	17.3	28.8	40.3	46.0
162.5°	5.8	11.5	28.8	34.5	40.3
165°	11.5	11.5	23.0	28.8	34.5
167.5°	11.5	11.5	17.3	23.0	28.8
170°	11.5	11.5	17.3	17.3	23.0
172.5°	11.5	11.5	11.5	17.3	11.5
175°	11.5	11.5	11.5	11.5	5.8
177.5°	11.5	11.5	11.5	11.5	5.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.5	11.5	11.5	11.5	11.5

(END OF REPORT)