

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: P568183

Luminaire Tested: **8SNX-SL3-LC-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568183
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-SL3-LC-UNV-CC83-CD-4000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

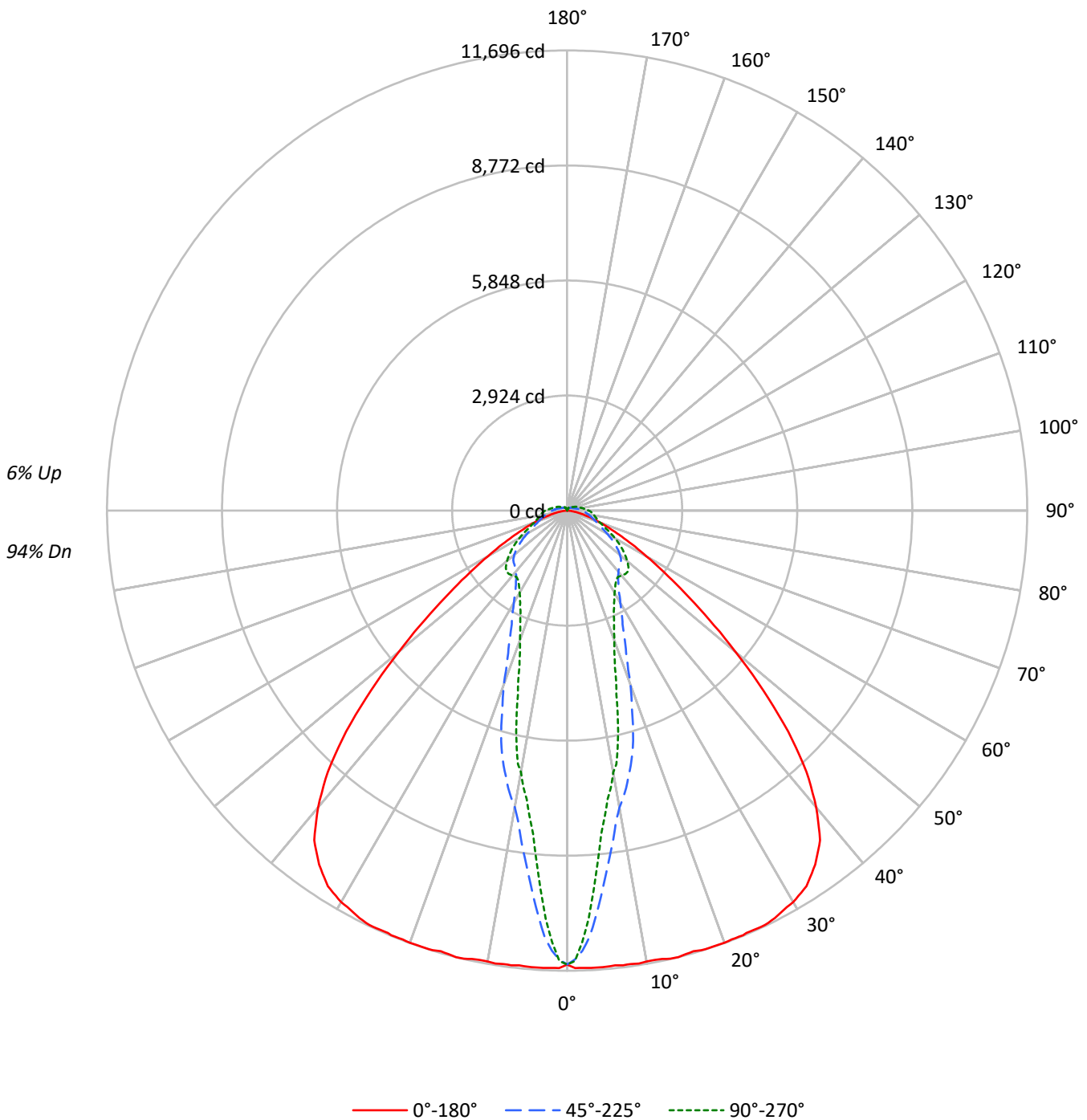
Lumens per Lamp: N/A
Luminaire Lumens: 14220.0 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.8
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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62086	62086	62086
5°	62760	51057	45645
10°	63369	38588	33035
15°	64646	31577	22875
20°	66443	22874	16155
25°	68659	16404	12709
30°	70570	13119	10824
35°	71164	11109	9695
40°	68032	10109	9718
45°	59224	9778	9984
50°	45606	9311	9316
55°	33202	8153	8266
60°	24227	6814	6990
65°	17767	5770	5729
70°	13233	5106	4941
75°	9560	4738	4605
80°	6464	4449	4535
85°	3272	4255	4542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.2	6.4
10°-20°	1970.0	13.9
20°-30°	2255.0	15.9
30°-40°	2259.0	15.9
40°-50°	2138.5	15.0
50°-60°	1640.0	11.5
60°-70°	1057.1	7.4
70°-80°	674.1	4.7
80°-90°	447.6	3.1
90°-100°	300.9	2.1
100°-110°	198.3	1.4
110°-120°	137.9	1.0
120°-130°	96.2	0.7
130°-140°	66.8	0.5
140°-150°	40.9	0.3
150°-160°	20.7	0.1
160°-170°	8.0	0.1
170°-180°	1.5	0.0
0°-30°	5132.3	36.1
0°-40°	7391.3	52.0
0°-60°	11169.8	78.6
0°-90°	13348.7	93.9
90°-120°	637.1	4.5
90°-150°	841.0	5.9
90°-180°	871.0	6.1
0°-180°	14220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11536	11536	11536	11536	11536	
5°	11638	10997	9853	9189	8942	###
15°	11667	8402	6406	5262	4839	3309
25°	11674	5946	3389	2944	2806	5382
35°	10989	3308	2266	2194	2164	6818
45°	7943	2092	1909	2113	2186	6039
55°	3644	1494	1472	1654	1720	3351
65°	1458	940	926	1057	1093	1499
75°	496	510	641	736	772	545
85°	66	233	452	590	634	90
90°	0	160	379	525	547	3
95°	0	117	313	430	452	0
105°	0	87	204	292	313	5
115°	7	73	153	211	226	7
125°	7	66	131	153	160	7
135°	7	51	102	124	131	6
145°	7	36	73	95	102	5
155°	7	22	44	66	73	4
165°	15	15	29	36	44	4
175°	15	15	15	15	7	1
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11536.0	11536.0	11536.0	11536.0	11536.0
1°	11630.7	11565.1	11412.1	11455.8	11448.5
2°	11630.7	11492.2	11193.4	11106.0	10974.8
3°	11638.0	11368.3	10858.2	10574.0	10391.8
4°	11638.0	11186.2	10362.7	9889.0	9655.8
5°	11638.0	10996.7	9852.6	9189.4	8941.6
6°	11623.4	10770.8	9335.2	8635.6	8263.9
7°	11645.3	10523.0	8868.8	8118.2	7826.7
8°	11638.0	10231.5	8438.8	7724.6	7404.0
9°	11659.8	9947.3	7972.4	7353.0	7112.5
10°	11638.0	9685.0	7666.3	7003.2	6755.4
11°	11638.0	9429.9	7447.7	6777.3	6565.9
12°	11652.6	9138.4	7207.2	6456.6	6165.1
13°	11689.0	8839.6	6930.3	6106.8	5764.3
14°	11696.3	8613.7	6675.3	5662.3	5305.2
15°	11667.1	8402.4	6405.6	5261.5	4838.8
16°	11652.6	8183.8	6085.0	4882.6	4503.6
17°	11681.7	7928.7	5720.6	4496.3	4146.5
18°	11689.0	7695.5	5334.4	4204.8	3898.8
19°	11689.0	7513.3	5021.0	3935.2	3672.8
20°	11689.0	7338.4	4700.4	3731.1	3505.2
21°	11674.4	7119.8	4336.0	3519.8	3330.3
22.5°	11681.7	6711.7	3920.6	3272.0	3119.0
23°	11659.8	6609.7	3818.6	3206.5	3046.1
24°	11667.1	6318.2	3600.0	3075.3	2922.2
25°	11674.4	5946.5	3388.6	2944.1	2805.6
26°	11659.8	5647.7	3213.7	2820.2	2725.5
27°	11623.4	5407.3	3089.9	2718.2	2630.8
28°	11572.4	5086.6	2958.7	2630.8	2550.6
29°	11521.4	4722.2	2827.5	2536.0	2477.7
30°	11492.2	4430.7	2703.6	2463.1	2412.1
32.5°	11317.3	3855.0	2448.6	2317.4	2273.7
35°	10989.4	3308.5	2266.4	2193.5	2164.4
37.5°	10559.4	2885.8	2127.9	2113.3	2120.6
40°	9852.6	2550.6	2025.9	2091.5	2157.1
42.5°	9007.2	2288.2	1953.0	2113.3	2186.2
45°	7943.3	2091.5	1909.3	2113.3	2186.2
47.5°	6762.7	1931.2	1858.3	2040.5	2113.3
50°	5582.1	1785.4	1756.3	1931.2	1996.7
52.5°	4540.1	1647.0	1625.1	1792.7	1858.3
55°	3643.7	1493.9	1472.1	1654.2	1719.8
57.5°	2922.2	1348.2	1326.3	1493.9	1559.5
60°	2332.0	1202.4	1166.0	1333.6	1399.2
62.5°	1858.3	1064.0	1042.1	1187.8	1246.1
65°	1457.5	940.1	925.5	1056.7	1093.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1151.4	823.5	830.8	940.1	983.8
70°	889.1	714.2	757.9	859.9	889.1
72.5°	670.4	604.9	699.6	787.0	823.5
75°	495.5	510.1	641.3	736.0	772.5
77.5°	342.5	422.7	590.3	692.3	728.7
80°	233.2	342.5	539.3	655.9	699.6
82.5°	138.5	284.2	495.5	619.4	670.4
85°	65.6	233.2	451.8	590.3	634.0
87.5°	21.9	189.5	408.1	561.1	597.6
90°	0.0	160.3	378.9	524.7	546.6
92.5°	0.0	138.5	342.5	481.0	495.5
95°	0.0	116.6	313.4	430.0	451.8
97.5°	0.0	109.3	291.5	386.2	415.4
100°	0.0	102.0	262.3	349.8	378.9
102.5°	0.0	87.4	233.2	313.4	342.5
105°	0.0	87.4	204.0	291.5	313.4
107.5°	7.3	80.2	189.5	262.3	291.5
110°	7.3	80.2	167.6	247.8	269.6
112.5°	7.3	80.2	160.3	225.9	255.1
115°	7.3	72.9	153.0	211.3	225.9
117.5°	7.3	72.9	145.7	189.5	204.0
120°	7.3	65.6	138.5	174.9	182.2
122.5°	7.3	65.6	131.2	160.3	167.6
125°	7.3	65.6	131.2	153.0	160.3
127.5°	7.3	58.3	123.9	145.7	145.7
130°	7.3	58.3	116.6	138.5	138.5
132.5°	7.3	51.0	109.3	131.2	138.5
135°	7.3	51.0	102.0	123.9	131.2
137.5°	7.3	43.7	94.7	116.6	123.9
140°	7.3	43.7	87.4	109.3	116.6
142.5°	7.3	36.4	80.2	102.0	109.3
145°	7.3	36.4	72.9	94.7	102.0
147.5°	7.3	36.4	65.6	87.4	94.7
150°	7.3	29.1	58.3	80.2	87.4
152.5°	7.3	29.1	51.0	72.9	80.2
155°	7.3	21.9	43.7	65.6	72.9
157.5°	7.3	21.9	43.7	58.3	65.6
160°	14.6	21.9	36.4	51.0	58.3
162.5°	7.3	14.6	36.4	43.7	51.0
165°	14.6	14.6	29.1	36.4	43.7
167.5°	14.6	14.6	21.9	29.1	36.4
170°	14.6	14.6	21.9	21.9	29.1
172.5°	14.6	14.6	14.6	21.9	14.6
175°	14.6	14.6	14.6	14.6	7.3
177.5°	14.6	14.6	14.6	14.6	7.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	14.6	14.6	14.6	14.6	14.6

(END OF REPORT)