

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: P568192

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568192
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-CC93-CD-4000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

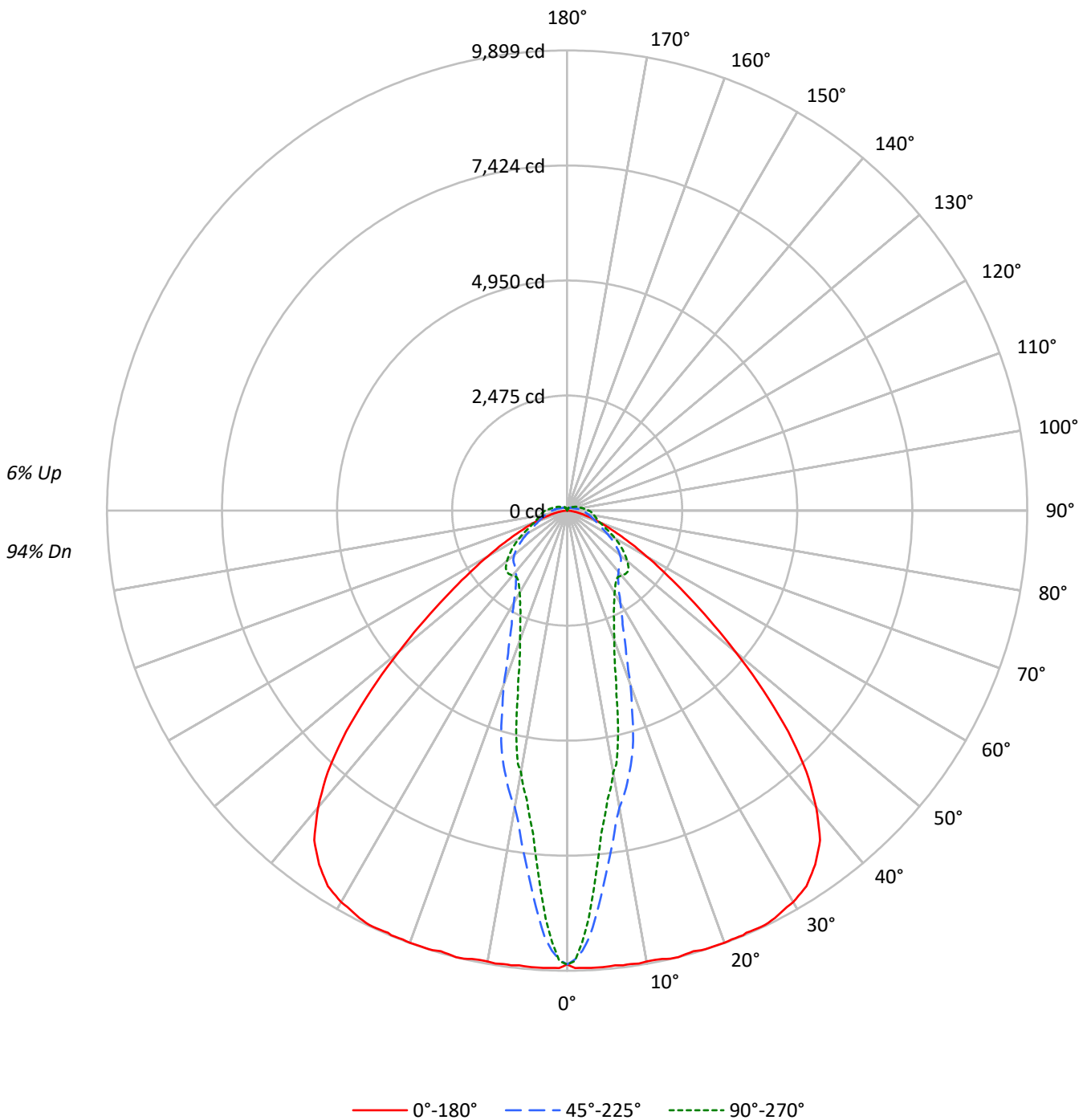
Lumens per Lamp: N/A
Luminaire Lumens: 12035.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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°	52546	52546	52546
5°	53116	43212	38631
10°	53631	32659	27959
15°	54713	26726	19360
20°	56234	19359	13673
25°	58110	13884	10757
30°	59727	11104	9161
35°	60229	9402	8205
40°	57578	8556	8225
45°	50124	8276	8450
50°	38598	7880	7885
55°	28100	6900	6997
60°	20504	5766	5916
65°	15037	4884	4849
70°	11200	4321	4182
75°	8092	4011	3898
80°	5472	3765	3838
85°	2768	3601	3844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.8	6.4
10°-20°	1667.3	13.9
20°-30°	1908.5	15.9
30°-40°	1911.9	15.9
40°-50°	1809.9	15.0
50°-60°	1388.0	11.5
60°-70°	894.7	7.4
70°-80°	570.5	4.7
80°-90°	378.9	3.1
90°-100°	254.7	2.1
100°-110°	167.8	1.4
110°-120°	116.7	1.0
120°-130°	81.4	0.7
130°-140°	56.5	0.5
140°-150°	34.6	0.3
150°-160°	17.6	0.1
160°-170°	6.8	0.1
170°-180°	1.3	0.0
0°-30°	4343.7	36.1
0°-40°	6255.6	52.0
0°-60°	9453.5	78.6
0°-90°	11297.6	93.9
90°-120°	539.2	4.5
90°-150°	711.8	5.9
90°-180°	737.0	6.1
0°-180°	12035.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9763	9763	9763	9763	9763	
5°	9850	9307	8339	7777	7568	940
15°	9874	7111	5421	4453	4095	2801
25°	9881	5033	2868	2492	2374	4555
35°	9301	2800	1918	1856	1832	5771
45°	6723	1770	1616	1789	1850	5111
55°	3084	1264	1246	1400	1456	2836
65°	1234	796	783	894	925	1269
75°	419	432	543	623	654	461
85°	56	197	382	500	537	76
90°	0	136	321	444	463	3
95°	0	99	265	364	382	0
105°	0	74	173	247	265	4
115°	6	62	130	179	191	6
125°	6	56	111	130	136	6
135°	6	43	86	105	111	5
145°	6	31	62	80	86	4
155°	6	18	37	56	62	3
165°	12	12	25	31	37	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°	9763.4	9763.4	9763.4	9763.4	9763.4
1°	9843.6	9788.0	9658.5	9695.5	9689.4
2°	9843.6	9726.4	9473.5	9399.5	9288.5
3°	9849.7	9621.5	9189.8	8949.2	8795.1
4°	9849.7	9467.3	8770.4	8369.5	8172.1
5°	9849.7	9307.0	8338.7	7777.4	7567.7
6°	9837.4	9115.8	7900.7	7308.7	6994.1
7°	9855.9	8906.1	7506.0	6870.8	6624.0
8°	9849.7	8659.4	7142.1	6537.7	6266.3
9°	9868.2	8418.8	6747.4	6223.1	6019.6
10°	9849.7	8196.8	6488.4	5927.1	5717.4
11°	9849.7	7980.9	6303.3	5735.9	5557.0
12°	9862.1	7734.2	6099.8	5464.5	5217.8
13°	9892.9	7481.3	5865.4	5168.5	4878.6
14°	9899.1	7290.2	5649.6	4792.3	4490.0
15°	9874.4	7111.3	5421.4	4453.0	4095.3
16°	9862.1	6926.3	5150.0	4132.3	3811.6
17°	9886.7	6710.4	4841.6	3805.4	3509.4
18°	9892.9	6513.0	4514.7	3558.7	3299.7
19°	9892.9	6358.8	4249.5	3330.5	3108.5
20°	9892.9	6210.8	3978.1	3157.8	2966.6
21°	9880.6	6025.8	3669.7	2979.0	2818.6
22.5°	9886.7	5680.4	3318.2	2769.3	2639.8
23°	9868.2	5594.1	3231.8	2713.8	2578.1
24°	9874.4	5347.3	3046.8	2602.7	2473.2
25°	9880.6	5032.8	2868.0	2491.7	2374.5
26°	9868.2	4779.9	2719.9	2386.9	2306.7
27°	9837.4	4576.4	2615.1	2300.5	2226.5
28°	9794.2	4305.0	2504.1	2226.5	2158.7
29°	9751.0	3996.6	2393.0	2146.3	2097.0
30°	9726.4	3749.9	2288.2	2084.7	2041.5
32.5°	9578.3	3262.7	2072.3	1961.3	1924.3
35°	9300.8	2800.1	1918.1	1856.5	1831.8
37.5°	8936.9	2442.4	1801.0	1788.6	1794.8
40°	8338.7	2158.7	1714.6	1770.1	1825.6
42.5°	7623.2	1936.6	1652.9	1788.6	1850.3
45°	6722.7	1770.1	1615.9	1788.6	1850.3
47.5°	5723.6	1634.4	1572.7	1726.9	1788.6
50°	4724.4	1511.1	1486.4	1634.4	1689.9
52.5°	3842.4	1393.9	1375.4	1517.2	1572.7
55°	3083.8	1264.4	1245.9	1400.1	1455.6
57.5°	2473.2	1141.0	1122.5	1264.4	1319.9
60°	1973.6	1017.7	986.8	1128.7	1184.2
62.5°	1572.7	900.5	882.0	1005.3	1054.7
65°	1233.5	795.6	783.3	894.3	925.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	974.5	696.9	703.1	795.6	832.6
70°	752.5	604.4	641.4	727.8	752.5
72.5°	567.4	511.9	592.1	666.1	696.9
75°	419.4	431.7	542.8	622.9	653.8
77.5°	289.9	357.7	499.6	585.9	616.8
80°	197.4	289.9	456.4	555.1	592.1
82.5°	117.2	240.5	419.4	524.2	567.4
85°	55.5	197.4	382.4	499.6	536.6
87.5°	18.5	160.4	345.4	474.9	505.7
90°	0.0	135.7	320.7	444.1	462.6
92.5°	0.0	117.2	289.9	407.1	419.4
95°	0.0	98.7	265.2	363.9	382.4
97.5°	0.0	92.5	246.7	326.9	351.6
100°	0.0	86.3	222.0	296.0	320.7
102.5°	0.0	74.0	197.4	265.2	289.9
105°	0.0	74.0	172.7	246.7	265.2
107.5°	6.2	67.8	160.4	222.0	246.7
110°	6.2	67.8	141.9	209.7	228.2
112.5°	6.2	67.8	135.7	191.2	215.9
115°	6.2	61.7	129.5	178.9	191.2
117.5°	6.2	61.7	123.4	160.4	172.7
120°	6.2	55.5	117.2	148.0	154.2
122.5°	6.2	55.5	111.0	135.7	141.9
125°	6.2	55.5	111.0	129.5	135.7
127.5°	6.2	49.3	104.8	123.4	123.4
130°	6.2	49.3	98.7	117.2	117.2
132.5°	6.2	43.2	92.5	111.0	117.2
135°	6.2	43.2	86.3	104.8	111.0
137.5°	6.2	37.0	80.2	98.7	104.8
140°	6.2	37.0	74.0	92.5	98.7
142.5°	6.2	30.8	67.8	86.3	92.5
145°	6.2	30.8	61.7	80.2	86.3
147.5°	6.2	30.8	55.5	74.0	80.2
150°	6.2	24.7	49.3	67.8	74.0
152.5°	6.2	24.7	43.2	61.7	67.8
155°	6.2	18.5	37.0	55.5	61.7
157.5°	6.2	18.5	37.0	49.3	55.5
160°	12.3	18.5	30.8	43.2	49.3
162.5°	6.2	12.3	30.8	37.0	43.2
165°	12.3	12.3	24.7	30.8	37.0
167.5°	12.3	12.3	18.5	24.7	30.8
170°	12.3	12.3	18.5	18.5	24.7
172.5°	12.3	12.3	12.3	18.5	12.3
175°	12.3	12.3	12.3	12.3	6.2
177.5°	12.3	12.3	12.3	12.3	6.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	12.3	12.3	12.3	12.3	12.3

(END OF REPORT)