

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: P568091

Luminaire Tested: **8SNX-90SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

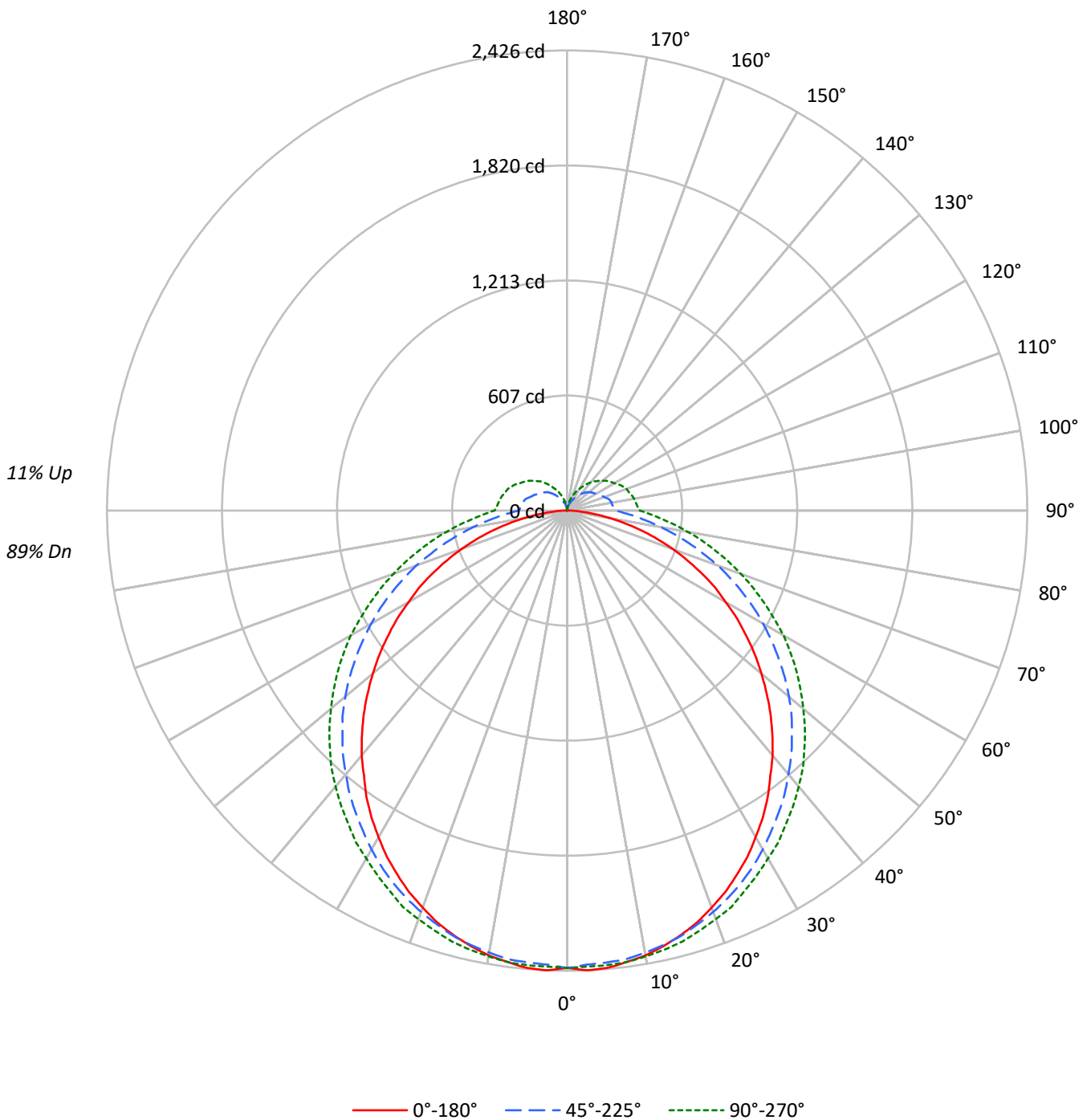
Test Method: LM-79-08  
Report Number: P568091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-90SL-LW-UNV-L835-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8583.0 lumens  
Efficiency: N/A  
Efficacy: 144.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 59.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12976	12976	12976
5°	13055	12391	12282
10°	12966	11910	11668
15°	12835	11444	11115
20°	12659	10958	10562
25°	12455	10492	10021
30°	12210	10011	9503
35°	11943	9527	9018
40°	11636	9054	8556
45°	11305	8580	8082
50°	10925	8090	7585
55°	10509	7543	7097
60°	10019	6972	6581
65°	9514	6354	5993
70°	8805	5694	5414
75°	7864	4922	4801
80°	6339	4142	4189
85°	4464	3418	3561



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.0	2.7
10°-20°	658.2	7.7
20°-30°	1000.8	11.7
30°-40°	1214.9	14.2
40°-50°	1283.8	15.0
50°-60°	1201.4	14.0
60°-70°	985.7	11.5
70°-80°	678.0	7.9
80°-90°	371.3	4.3
90°-100°	239.1	2.8
100°-110°	214.5	2.5
110°-120°	177.6	2.1
120°-130°	136.7	1.6
130°-140°	96.1	1.1
140°-150°	57.9	0.7
150°-160°	27.7	0.3
160°-170°	9.1	0.1
170°-180°	1.1	0.0
0°-30°	1888.1	22.0
0°-40°	3103.0	36.2
0°-60°	5588.2	65.1
0°-90°	7623.1	88.8
90°-120°	631.2	7.4
90°-150°	921.9	10.7
90°-180°	960.0	11.2
0°-180°	8583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2421	2416	2391	2411	2406	230
15°	2316	2326	2322	2351	2351	653
25°	2118	2142	2167	2212	2212	976
35°	1844	1889	1944	1998	2013	1152
45°	1516	1586	1675	1750	1770	1169
55°	1153	1248	1362	1447	1476	1032
65°	780	885	1019	1114	1143	773
75°	408	517	666	770	805	429
85°	90	214	363	462	497	103
90°	0	119	254	348	383	6
95°	0	114	244	333	368	0
105°	0	94	229	313	343	3
115°	5	84	194	278	313	5
125°	5	70	164	239	268	4
135°	5	55	134	194	219	4
145°	5	40	94	149	164	3
155°	5	25	60	94	109	2
165°	5	15	30	45	55	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



TEST NUMBER: P568091

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2411.0	2411.0	2411.0	2411.0	2411.0
2.5°	2425.9	2420.9	2396.1	2416.0	2406.0
5°	2420.9	2416.0	2391.1	2411.0	2406.0
7.5°	2401.0	2401.0	2386.1	2406.0	2401.0
10°	2381.2	2381.2	2366.2	2391.1	2386.1
12.5°	2351.3	2356.3	2346.4	2376.2	2371.2
15°	2316.5	2326.5	2321.5	2351.3	2351.3
17.5°	2276.8	2286.7	2286.7	2321.5	2321.5
20°	2227.1	2242.0	2251.9	2291.7	2291.7
22.5°	2177.3	2197.2	2212.1	2246.9	2261.9
25°	2117.7	2142.5	2167.4	2212.1	2212.1
27.5°	2058.0	2087.9	2117.7	2162.4	2167.4
30°	1988.4	2023.2	2063.0	2107.7	2117.7
32.5°	1918.8	1963.6	2003.4	2058.0	2072.9
35°	1844.3	1889.0	1943.7	1998.4	2013.3
37.5°	1759.8	1814.5	1884.0	1943.7	1958.6
40°	1685.2	1744.9	1814.5	1884.0	1899.0
42.5°	1600.7	1665.3	1749.8	1814.5	1839.3
45°	1516.2	1585.8	1675.3	1749.8	1769.7
47.5°	1426.7	1506.2	1605.7	1675.3	1700.1
50°	1337.2	1421.7	1526.1	1605.7	1625.6
52.5°	1247.7	1337.2	1446.6	1526.1	1551.0
55°	1153.3	1247.7	1362.1	1446.6	1476.4
57.5°	1063.8	1158.3	1277.6	1367.1	1396.9
60°	964.4	1073.8	1193.1	1282.5	1317.3
62.5°	879.9	979.3	1108.6	1198.0	1227.9
65°	780.5	884.9	1019.1	1113.5	1143.4
67.5°	686.0	795.4	929.6	1029.0	1058.8
70°	591.6	700.9	845.1	939.5	974.3
72.5°	497.1	611.4	750.6	855.0	889.8
75°	407.6	517.0	666.1	770.5	805.3
77.5°	313.2	432.5	581.6	686.0	725.8
80°	228.7	352.9	502.1	606.5	646.2
82.5°	154.1	278.4	427.5	531.9	571.7
85°	89.5	213.8	362.9	462.3	497.1
87.5°	44.7	164.0	303.2	402.7	437.5
90°	0.0	119.3	253.5	348.0	382.8
92.5°	0.0	114.3	248.6	338.0	372.8
95°	0.0	114.3	243.6	333.1	367.9
97.5°	0.0	109.4	238.6	333.1	362.9
100°	0.0	104.4	238.6	328.1	357.9
102.5°	0.0	99.4	233.6	323.1	352.9
105°	0.0	94.5	228.7	313.2	343.0
107.5°	5.0	94.5	218.7	308.2	338.0
110°	5.0	89.5	208.8	303.2	333.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	84.5	198.8	293.3	323.1
115°	5.0	84.5	193.9	278.4	313.2
117.5°	5.0	79.5	183.9	268.4	303.2
120°	5.0	79.5	179.0	258.5	288.3
122.5°	5.0	74.6	169.0	248.6	278.4
125°	5.0	69.6	164.0	238.6	268.4
127.5°	5.0	64.6	159.1	228.7	258.5
130°	5.0	59.7	149.1	218.7	243.6
132.5°	5.0	59.7	144.2	203.8	233.6
135°	5.0	54.7	134.2	193.9	218.7
137.5°	5.0	49.7	124.3	183.9	208.8
140°	5.0	44.7	114.3	174.0	193.9
142.5°	5.0	44.7	104.4	159.1	179.0
145°	5.0	39.8	94.5	149.1	164.0
147.5°	5.0	34.8	84.5	134.2	149.1
150°	5.0	34.8	74.6	119.3	134.2
152.5°	5.0	29.8	64.6	109.4	124.3
155°	5.0	24.9	59.7	94.5	109.4
157.5°	5.0	24.9	49.7	79.5	94.5
160°	5.0	19.9	44.7	64.6	79.5
162.5°	5.0	19.9	39.8	54.7	69.6
165°	5.0	14.9	29.8	44.7	54.7
167.5°	5.0	14.9	24.9	34.8	44.7
170°	5.0	9.9	19.9	24.9	34.8
172.5°	5.0	9.9	14.9	14.9	14.9
175°	5.0	5.0	9.9	9.9	5.0
177.5°	5.0	5.0	5.0	5.0	5.0
180°	5.0	5.0	5.0	5.0	5.0

(END OF REPORT)