

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: P568098

Luminaire Tested: **8SNX-90SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568098  
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-SLW-UNV-L830-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

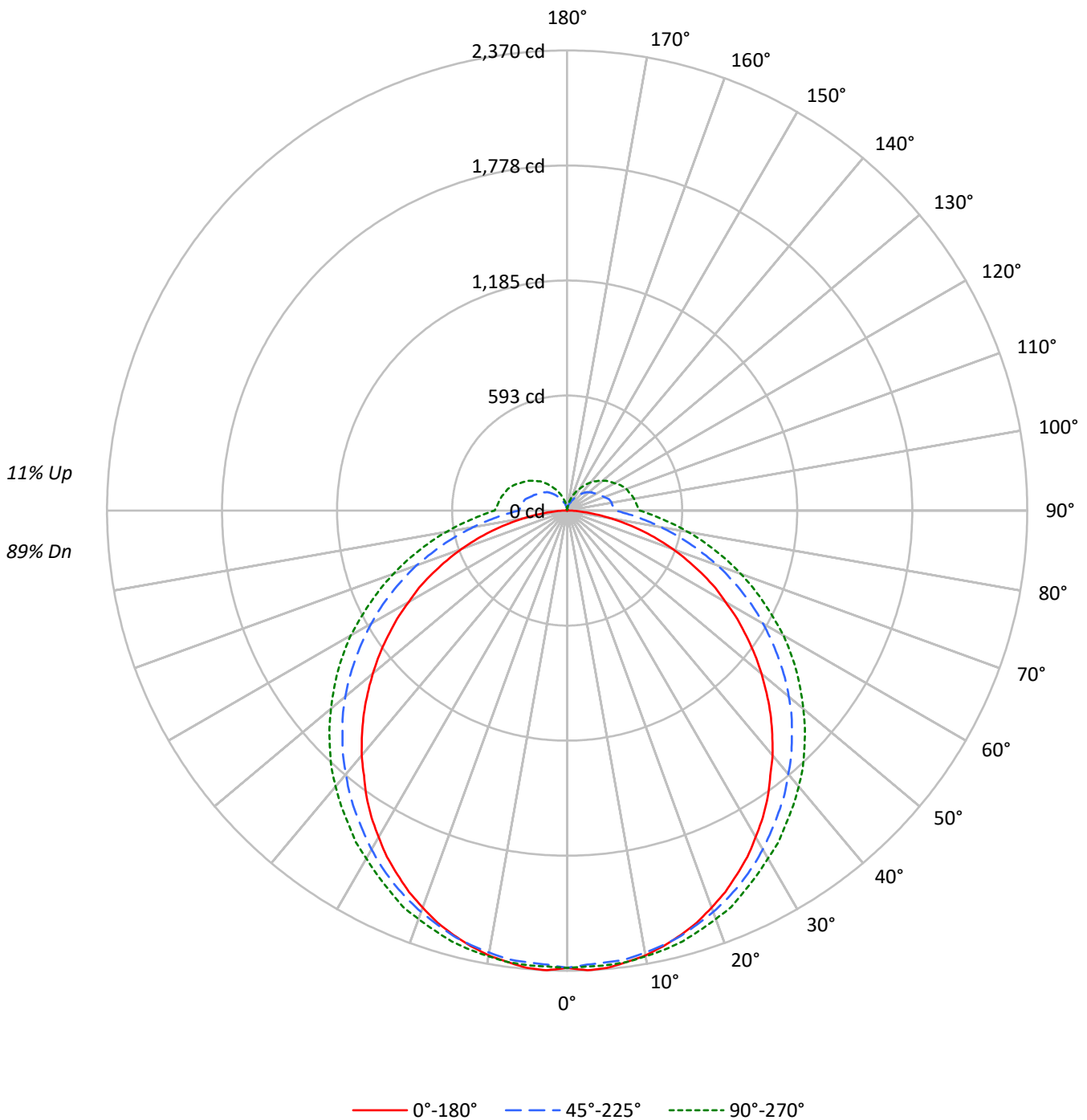
Lumens per Lamp: N/A  
Luminaire Lumens: 8384.0 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 59.6  
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	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°	12675	12675	12675
5°	12764	12357	12339
10°	12688	12115	12033
15°	12573	11865	11752
20°	12412	11578	11438
25°	12225	11297	11112
30°	11999	10988	10788
35°	11751	10666	10484
40°	11465	10350	10192
45°	11156	10027	9878
50°	10803	9687	9526
55°	10417	9277	9180
60°	9961	8838	8794
65°	9498	8344	8307
70°	8840	7801	7832
75°	7972	7108	7305
80°	6539	6405	6787
85°	4825	5811	6254



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.7	2.7
10°-20°	643.0	7.7
20°-30°	977.6	11.7
30°-40°	1186.8	14.2
40°-50°	1254.1	15.0
50°-60°	1173.5	14.0
60°-70°	962.9	11.5
70°-80°	662.3	7.9
80°-90°	362.7	4.3
90°-100°	233.5	2.8
100°-110°	209.6	2.5
110°-120°	173.5	2.1
120°-130°	133.6	1.6
130°-140°	93.9	1.1
140°-150°	56.6	0.7
150°-160°	27.1	0.3
160°-170°	8.9	0.1
170°-180°	1.1	0.0
0°-30°	1844.3	22.0
0°-40°	3031.1	36.2
0°-60°	5458.6	65.1
0°-90°	7446.4	88.8
90°-120°	616.6	7.4
90°-150°	900.6	10.7
90°-180°	938.0	11.2
0°-180°	8384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2355	2355	2355	2355	2355	
5°	2365	2360	2336	2355	2350	224
15°	2263	2272	2268	2297	2297	638
25°	2069	2093	2117	2161	2161	953
35°	1802	1845	1899	1952	1967	1125
45°	1481	1549	1636	1709	1729	1141
55°	1127	1219	1330	1413	1442	1008
65°	762	864	995	1088	1117	755
75°	398	505	651	753	787	419
85°	87	209	354	452	486	101
90°	0	116	248	340	374	6
95°	0	112	238	325	359	0
105°	0	92	223	306	335	3
115°	5	82	189	272	306	5
125°	5	68	160	233	262	4
135°	5	53	131	189	214	4
145°	5	39	92	146	160	3
155°	5	24	58	92	107	2
165°	5	15	29	44	53	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2355.1	2355.1	2355.1	2355.1	2355.1
2.5°	2369.7	2364.8	2340.5	2359.9	2350.2
5°	2364.8	2359.9	2335.7	2355.1	2350.2
7.5°	2345.4	2345.4	2330.8	2350.2	2345.4
10°	2326.0	2326.0	2311.4	2335.7	2330.8
12.5°	2296.8	2301.7	2292.0	2321.1	2316.2
15°	2262.8	2272.5	2267.7	2296.8	2296.8
17.5°	2224.0	2233.7	2233.7	2267.7	2267.7
20°	2175.4	2190.0	2199.7	2238.5	2238.5
22.5°	2126.9	2146.3	2160.9	2194.8	2209.4
25°	2068.6	2092.9	2117.1	2160.9	2160.9
27.5°	2010.3	2039.5	2068.6	2112.3	2117.1
30°	1942.3	1976.3	2015.2	2058.9	2068.6
32.5°	1874.4	1918.1	1956.9	2010.3	2024.9
35°	1801.5	1845.2	1898.6	1952.1	1966.6
37.5°	1719.0	1772.4	1840.4	1898.6	1913.2
40°	1646.1	1704.4	1772.4	1840.4	1854.9
42.5°	1563.6	1626.7	1709.3	1772.4	1796.7
45°	1481.0	1549.0	1636.4	1709.3	1728.7
47.5°	1393.6	1471.3	1568.4	1636.4	1660.7
50°	1306.2	1388.8	1490.7	1568.4	1587.9
52.5°	1218.8	1306.2	1413.1	1490.7	1515.0
55°	1126.6	1218.8	1330.5	1413.1	1442.2
57.5°	1039.2	1131.4	1248.0	1335.4	1364.5
60°	942.0	1048.9	1165.4	1252.8	1286.8
62.5°	859.5	956.6	1082.9	1170.3	1199.4
65°	762.4	864.3	995.4	1087.7	1116.8
67.5°	670.1	776.9	908.0	1005.2	1034.3
70°	577.8	684.7	825.5	917.8	951.7
72.5°	485.6	597.3	733.2	835.2	869.2
75°	398.2	505.0	650.7	752.7	786.6
77.5°	305.9	422.5	568.1	670.1	709.0
80°	223.4	344.8	490.4	592.4	631.3
82.5°	150.5	271.9	417.6	519.6	558.4
85°	87.4	208.8	354.5	451.6	485.6
87.5°	43.7	160.2	296.2	393.3	427.3
90°	0.0	116.5	247.6	339.9	373.9
92.5°	0.0	111.7	242.8	330.2	364.2
95°	0.0	111.7	237.9	325.3	359.3
97.5°	0.0	106.8	233.1	325.3	354.5
100°	0.0	102.0	233.1	320.5	349.6
102.5°	0.0	97.1	228.2	315.6	344.8
105°	0.0	92.3	223.4	305.9	335.1
107.5°	4.9	92.3	213.7	301.1	330.2
110°	4.9	87.4	203.9	296.2	325.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	82.5	194.2	286.5	315.6
115°	4.9	82.5	189.4	271.9	305.9
117.5°	4.9	77.7	179.7	262.2	296.2
120°	4.9	77.7	174.8	252.5	281.6
122.5°	4.9	72.8	165.1	242.8	271.9
125°	4.9	68.0	160.2	233.1	262.2
127.5°	4.9	63.1	155.4	223.4	252.5
130°	4.9	58.3	145.7	213.7	237.9
132.5°	4.9	58.3	140.8	199.1	228.2
135°	4.9	53.4	131.1	189.4	213.7
137.5°	4.9	48.6	121.4	179.7	203.9
140°	4.9	43.7	111.7	170.0	189.4
142.5°	4.9	43.7	102.0	155.4	174.8
145°	4.9	38.8	92.3	145.7	160.2
147.5°	4.9	34.0	82.5	131.1	145.7
150°	4.9	34.0	72.8	116.5	131.1
152.5°	4.9	29.1	63.1	106.8	121.4
155°	4.9	24.3	58.3	92.3	106.8
157.5°	4.9	24.3	48.6	77.7	92.3
160°	4.9	19.4	43.7	63.1	77.7
162.5°	4.9	19.4	38.8	53.4	68.0
165°	4.9	14.6	29.1	43.7	53.4
167.5°	4.9	14.6	24.3	34.0	43.7
170°	4.9	9.7	19.4	24.3	34.0
172.5°	4.9	9.7	14.6	14.6	14.6
175°	4.9	4.9	9.7	9.7	4.9
177.5°	4.9	4.9	4.9	4.9	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)