

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: P568101

Luminaire Tested: **8SNX-90SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568101
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-L850-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

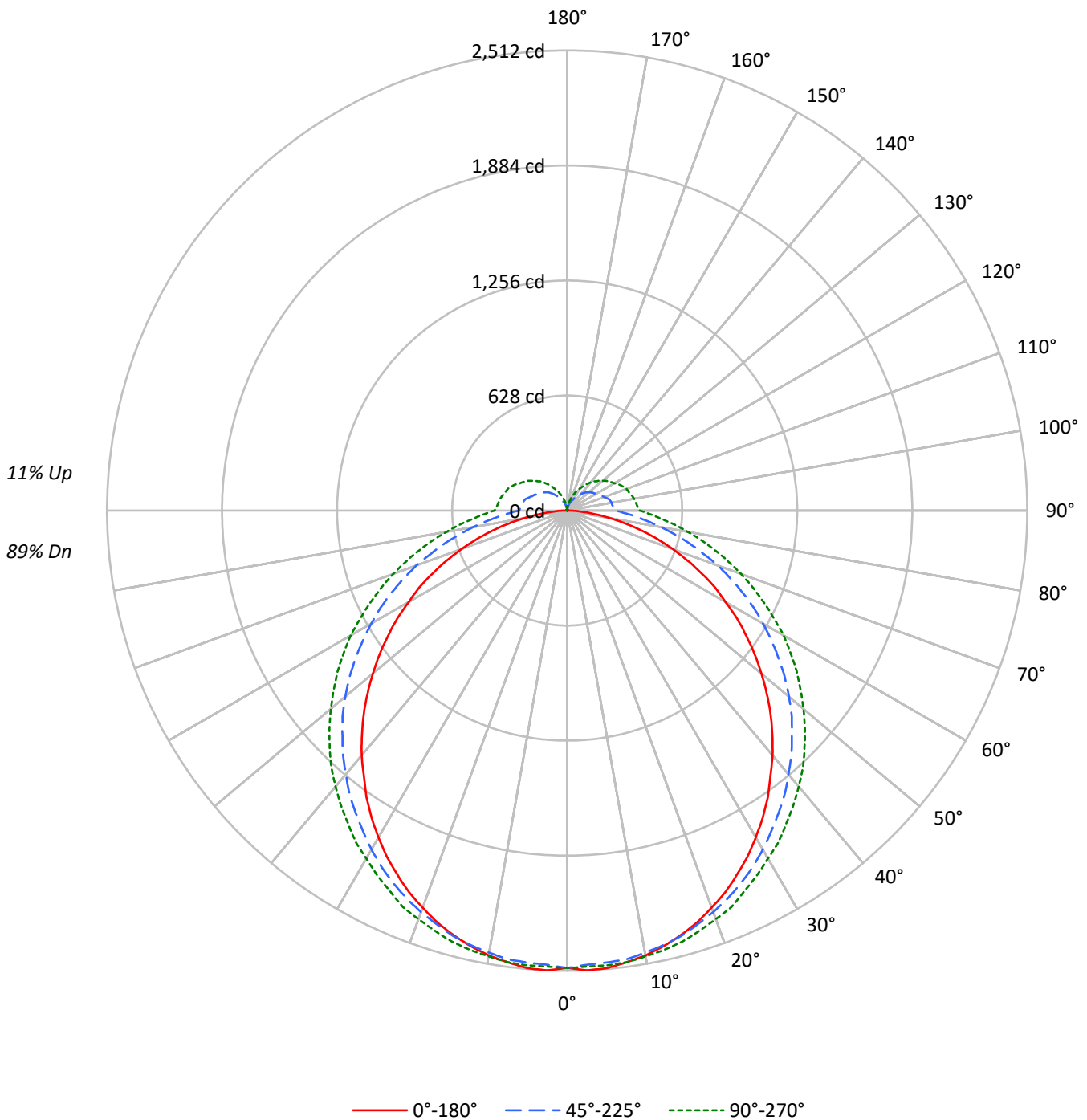
Lumens per Lamp: N/A
Luminaire Lumens: 8888.9 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (A_{in}): 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	77	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°	13438	13438	13438
5°	13533	13101	13082
10°	13453	12844	12758
15°	13330	12580	12460
20°	13160	12276	12128
25°	12961	11978	11781
30°	12721	11650	11437
35°	12458	11309	11115
40°	12156	10973	10807
45°	11828	10632	10473
50°	11454	10270	10100
55°	11044	9835	9733
60°	10561	9371	9324
65°	10069	8847	8808
70°	9374	8271	8304
75°	8452	7537	7745
80°	6931	6792	7196
85°	5117	6160	6630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	2.7
10°-20°	681.7	7.7
20°-30°	1036.5	11.7
30°-40°	1258.2	14.2
40°-50°	1329.6	15.0
50°-60°	1244.2	14.0
60°-70°	1020.8	11.5
70°-80°	702.2	7.9
80°-90°	384.5	4.3
90°-100°	247.6	2.8
100°-110°	222.2	2.5
110°-120°	183.9	2.1
120°-130°	141.6	1.6
130°-140°	99.5	1.1
140°-150°	59.9	0.7
150°-160°	28.7	0.3
160°-170°	9.4	0.1
170°-180°	1.1	0.0
0°-30°	1955.4	22.0
0°-40°	3213.6	36.2
0°-60°	5787.4	65.1
0°-90°	7894.9	88.8
90°-120°	653.7	7.4
90°-150°	954.7	10.7
90°-180°	994.0	11.2
0°-180°	8888.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2507	2502	2476	2497	2492	238
15°	2399	2409	2404	2435	2435	677
25°	2193	2219	2245	2291	2291	1011
35°	1910	1956	2013	2070	2085	1193
45°	1570	1642	1735	1812	1833	1210
55°	1194	1292	1411	1498	1529	1069
65°	808	916	1055	1153	1184	801
75°	422	535	690	798	834	444
85°	93	221	376	479	515	107
90°	0	124	263	360	396	6
95°	0	118	252	345	381	0
105°	0	98	237	324	355	3
115°	5	88	201	288	324	5
125°	5	72	170	247	278	5
135°	5	57	139	201	226	4
145°	5	41	98	154	170	3
155°	5	26	62	98	113	2
165°	5	15	31	46	57	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°	2496.9	2496.9	2496.9	2496.9	2496.9
2.5°	2512.4	2507.2	2481.5	2502.1	2491.8
5°	2507.2	2502.1	2476.3	2496.9	2491.8
7.5°	2486.6	2486.6	2471.2	2491.8	2486.6
10°	2466.1	2466.1	2450.6	2476.3	2471.2
12.5°	2435.2	2440.3	2430.0	2460.9	2455.8
15°	2399.1	2409.4	2404.3	2435.2	2435.2
17.5°	2357.9	2368.2	2368.2	2404.3	2404.3
20°	2306.5	2321.9	2332.2	2373.4	2373.4
22.5°	2255.0	2275.6	2291.0	2327.0	2342.5
25°	2193.2	2218.9	2244.7	2291.0	2291.0
27.5°	2131.4	2162.3	2193.2	2239.5	2244.7
30°	2059.3	2095.4	2136.6	2182.9	2193.2
32.5°	1987.3	2033.6	2074.8	2131.4	2146.9
35°	1910.0	1956.4	2013.0	2069.6	2085.1
37.5°	1822.5	1879.1	1951.2	2013.0	2028.4
40°	1745.3	1807.1	1879.1	1951.2	1966.7
42.5°	1657.8	1724.7	1812.2	1879.1	1904.9
45°	1570.2	1642.3	1735.0	1812.2	1832.8
47.5°	1477.6	1559.9	1662.9	1735.0	1760.7
50°	1384.9	1472.4	1580.5	1662.9	1683.5
52.5°	1292.2	1384.9	1498.2	1580.5	1606.3
55°	1194.4	1292.2	1410.6	1498.2	1529.1
57.5°	1101.7	1199.6	1323.1	1415.8	1446.7
60°	998.8	1112.0	1235.6	1328.3	1364.3
62.5°	911.3	1014.2	1148.1	1240.7	1271.6
65°	808.3	916.4	1055.4	1153.2	1184.1
67.5°	710.5	823.7	962.7	1065.7	1096.6
70°	612.7	725.9	875.2	973.0	1009.1
72.5°	514.8	633.2	777.4	885.5	921.6
75°	422.2	535.4	689.9	798.0	834.0
77.5°	324.3	447.9	602.4	710.5	751.7
80°	236.8	365.5	520.0	628.1	669.3
82.5°	159.6	288.3	442.8	550.9	592.1
85°	92.7	221.4	375.8	478.8	514.8
87.5°	46.3	169.9	314.0	417.0	453.1
90°	0.0	123.6	262.6	360.4	396.4
92.5°	0.0	118.4	257.4	350.1	386.1
95°	0.0	118.4	252.3	344.9	381.0
97.5°	0.0	113.3	247.1	344.9	375.8
100°	0.0	108.1	247.1	339.8	370.7
102.5°	0.0	103.0	242.0	334.6	365.5
105°	0.0	97.8	236.8	324.3	355.2
107.5°	5.1	97.8	226.5	319.2	350.1
110°	5.1	92.7	216.2	314.0	344.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	87.5	205.9	303.8	334.6
115°	5.1	87.5	200.8	288.3	324.3
117.5°	5.1	82.4	190.5	278.0	314.0
120°	5.1	82.4	185.3	267.7	298.6
122.5°	5.1	77.2	175.0	257.4	288.3
125°	5.1	72.1	169.9	247.1	278.0
127.5°	5.1	66.9	164.7	236.8	267.7
130°	5.1	61.8	154.4	226.5	252.3
132.5°	5.1	61.8	149.3	211.1	242.0
135°	5.1	56.6	139.0	200.8	226.5
137.5°	5.1	51.5	128.7	190.5	216.2
140°	5.1	46.3	118.4	180.2	200.8
142.5°	5.1	46.3	108.1	164.7	185.3
145°	5.1	41.2	97.8	154.4	169.9
147.5°	5.1	36.0	87.5	139.0	154.4
150°	5.1	36.0	77.2	123.6	139.0
152.5°	5.1	30.9	66.9	113.3	128.7
155°	5.1	25.7	61.8	97.8	113.3
157.5°	5.1	25.7	51.5	82.4	97.8
160°	5.1	20.6	46.3	66.9	82.4
162.5°	5.1	20.6	41.2	56.6	72.1
165°	5.1	15.4	30.9	46.3	56.6
167.5°	5.1	15.4	25.7	36.0	46.3
170°	5.1	10.3	20.6	25.7	36.0
172.5°	5.1	10.3	15.4	15.4	15.4
175°	5.1	5.1	10.3	10.3	5.1
177.5°	5.1	5.1	5.1	5.1	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)