

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: P568053

Luminaire Tested: **8SNX-82SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568053  
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-82SL-SLW-UNV-L850-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

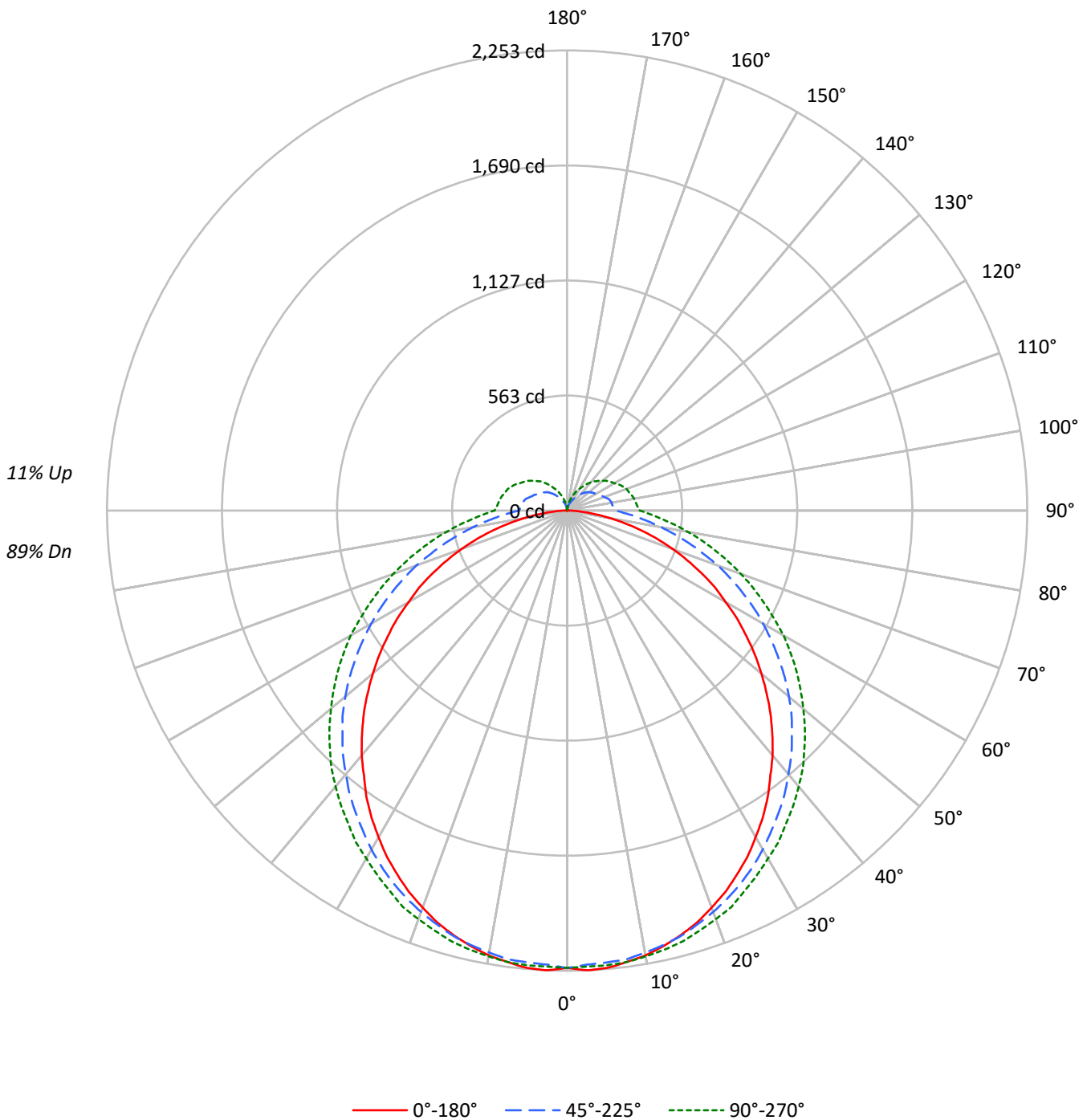
Lumens per Lamp: N/A  
Luminaire Lumens: 7970.9 lumens  
Efficiency: N/A  
Efficacy: 151.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 52.6  
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	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°	12051	12051	12051
5°	12135	11748	11731
10°	12063	11518	11441
15°	11954	11281	11173
20°	11801	11008	10875
25°	11623	10741	10564
30°	11408	10446	10256
35°	11172	10141	9967
40°	10900	9840	9691
45°	10607	9534	9391
50°	10271	9210	9056
55°	9904	8820	8727
60°	9470	8403	8361
65°	9029	7933	7898
70°	8406	7416	7447
75°	7579	6758	6946
80°	6217	6090	6453
85°	4587	5524	5946



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.7	2.7
10°-20°	611.3	7.7
20°-30°	929.5	11.7
30°-40°	1128.3	14.2
40°-50°	1192.3	15.0
50°-60°	1115.7	14.0
60°-70°	915.4	11.5
70°-80°	629.6	7.9
80°-90°	344.8	4.3
90°-100°	222.0	2.8
100°-110°	199.2	2.5
110°-120°	164.9	2.1
120°-130°	127.0	1.6
130°-140°	89.2	1.1
140°-150°	53.8	0.7
150°-160°	25.7	0.3
160°-170°	8.4	0.1
170°-180°	1.0	0.0
0°-30°	1753.5	22.0
0°-40°	2881.8	36.2
0°-60°	5189.7	65.1
0°-90°	7079.6	88.8
90°-120°	586.2	7.4
90°-150°	856.2	10.7
90°-180°	891.0	11.2
0°-180°	7970.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2239	2239	2239	2239	2239	
5°	2248	2244	2221	2239	2234	213
15°	2151	2161	2156	2184	2184	607
25°	1967	1990	2013	2054	2054	906
35°	1713	1754	1805	1856	1870	1070
45°	1408	1473	1556	1625	1644	1085
55°	1071	1159	1265	1343	1371	959
65°	725	822	946	1034	1062	718
75°	379	480	619	716	748	399
85°	83	198	337	429	462	96
90°	0	111	235	323	356	6
95°	0	106	226	309	342	0
105°	0	88	212	291	318	3
115°	5	78	180	258	291	5
125°	5	65	152	222	249	4
135°	5	51	125	180	203	4
145°	5	37	88	138	152	3
155°	5	23	55	88	102	2
165°	5	14	28	42	51	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2239.1	2239.1	2239.1	2239.1	2239.1
2.5°	2252.9	2248.3	2225.2	2243.7	2234.5
5°	2248.3	2243.7	2220.6	2239.1	2234.5
7.5°	2229.8	2229.8	2216.0	2234.5	2229.8
10°	2211.4	2211.4	2197.5	2220.6	2216.0
12.5°	2183.7	2188.3	2179.1	2206.8	2202.1
15°	2151.4	2160.6	2156.0	2183.7	2183.7
17.5°	2114.4	2123.7	2123.7	2156.0	2156.0
20°	2068.3	2082.1	2091.3	2128.3	2128.3
22.5°	2022.1	2040.6	2054.4	2086.7	2100.6
25°	1966.7	1989.8	2012.9	2054.4	2054.4
27.5°	1911.3	1939.0	1966.7	2008.2	2012.9
30°	1846.7	1879.0	1915.9	1957.5	1966.7
32.5°	1782.0	1823.6	1860.5	1911.3	1925.1
35°	1712.8	1754.3	1805.1	1855.9	1869.7
37.5°	1634.3	1685.1	1749.7	1805.1	1819.0
40°	1565.0	1620.4	1685.1	1749.7	1763.6
42.5°	1486.6	1546.6	1625.1	1685.1	1708.2
45°	1408.1	1472.7	1555.8	1625.1	1643.5
47.5°	1325.0	1398.8	1491.2	1555.8	1578.9
50°	1241.9	1320.4	1417.3	1491.2	1509.6
52.5°	1158.8	1241.9	1343.4	1417.3	1440.4
55°	1071.1	1158.8	1265.0	1343.4	1371.1
57.5°	988.0	1075.7	1186.5	1269.6	1297.3
60°	895.6	997.2	1108.0	1191.1	1223.4
62.5°	817.1	909.5	1029.5	1112.6	1140.3
65°	724.8	821.8	946.4	1034.1	1061.8
67.5°	637.1	738.7	863.3	955.6	983.3
70°	549.4	650.9	784.8	872.5	904.9
72.5°	461.7	567.8	697.1	794.1	826.4
75°	378.6	480.1	618.6	715.6	747.9
77.5°	290.8	401.6	540.1	637.1	674.0
80°	212.4	327.8	466.3	563.2	600.2
82.5°	143.1	258.5	397.0	494.0	530.9
85°	83.1	198.5	337.0	429.3	461.7
87.5°	41.5	152.3	281.6	373.9	406.3
90°	0.0	110.8	235.4	323.2	355.5
92.5°	0.0	106.2	230.8	313.9	346.2
95°	0.0	106.2	226.2	309.3	341.6
97.5°	0.0	101.6	221.6	309.3	337.0
100°	0.0	96.9	221.6	304.7	332.4
102.5°	0.0	92.3	217.0	300.1	327.8
105°	0.0	87.7	212.4	290.8	318.5
107.5°	4.6	87.7	203.1	286.2	313.9
110°	4.6	83.1	193.9	281.6	309.3



TEST NUMBER: P568053

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L850-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	78.5	184.7	272.4	300.1
115°	4.6	78.5	180.0	258.5	290.8
117.5°	4.6	73.9	170.8	249.3	281.6
120°	4.6	73.9	166.2	240.1	267.8
122.5°	4.6	69.2	157.0	230.8	258.5
125°	4.6	64.6	152.3	221.6	249.3
127.5°	4.6	60.0	147.7	212.4	240.1
130°	4.6	55.4	138.5	203.1	226.2
132.5°	4.6	55.4	133.9	189.3	217.0
135°	4.6	50.8	124.6	180.0	203.1
137.5°	4.6	46.2	115.4	170.8	193.9
140°	4.6	41.5	106.2	161.6	180.0
142.5°	4.6	41.5	96.9	147.7	166.2
145°	4.6	36.9	87.7	138.5	152.3
147.5°	4.6	32.3	78.5	124.6	138.5
150°	4.6	32.3	69.2	110.8	124.6
152.5°	4.6	27.7	60.0	101.6	115.4
155°	4.6	23.1	55.4	87.7	101.6
157.5°	4.6	23.1	46.2	73.9	87.7
160°	4.6	18.5	41.5	60.0	73.9
162.5°	4.6	18.5	36.9	50.8	64.6
165°	4.6	13.8	27.7	41.5	50.8
167.5°	4.6	13.8	23.1	32.3	41.5
170°	4.6	9.2	18.5	23.1	32.3
172.5°	4.6	9.2	13.8	13.8	13.8
175°	4.6	4.6	9.2	9.2	4.6
177.5°	4.6	4.6	4.6	4.6	4.6
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)