

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: P568052

Luminaire Tested: **8SNX-82SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568052  
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-L840-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

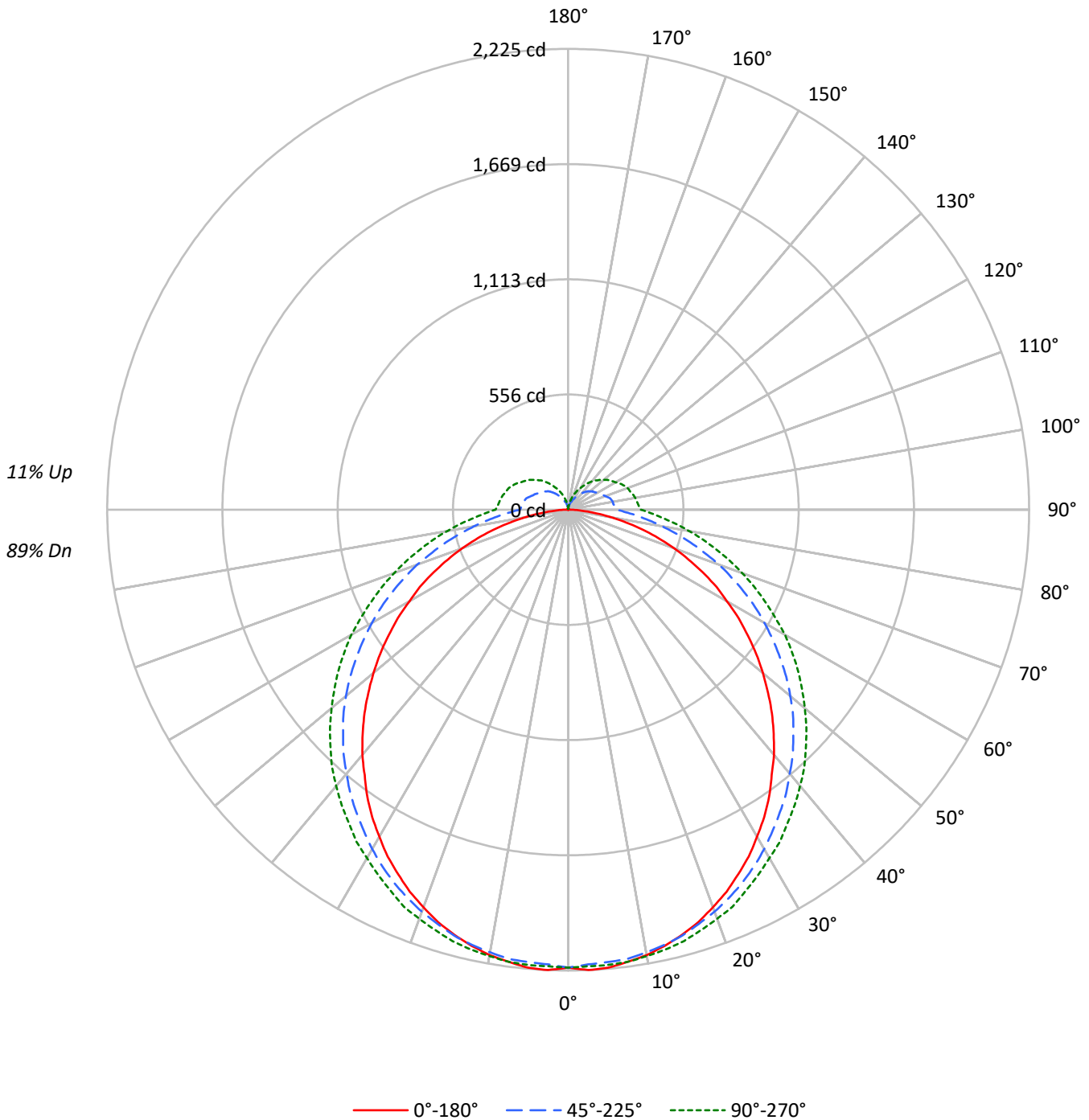
Lumens per Lamp: N/A  
Luminaire Lumens: 7871.1 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	11900	11900	11900
5°	11983	11600	11584
10°	11912	11374	11297
15°	11804	11139	11033
20°	11653	10870	10739
25°	11477	10606	10432
30°	11265	10315	10127
35°	11032	10014	9842
40°	10764	9716	9569
45°	10474	9414	9273
50°	10142	9094	8943
55°	9779	8709	8618
60°	9352	8297	8256
65°	8916	7834	7799
70°	8300	7324	7353
75°	7483	6674	6859
80°	6138	6013	6371
85°	4532	5455	5871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.0	2.7
10°-20°	603.6	7.7
20°-30°	917.8	11.7
30°-40°	1114.1	14.2
40°-50°	1177.3	15.0
50°-60°	1101.7	14.0
60°-70°	904.0	11.5
70°-80°	621.7	7.9
80°-90°	340.5	4.3
90°-100°	219.3	2.8
100°-110°	196.8	2.5
110°-120°	162.9	2.1
120°-130°	125.4	1.6
130°-140°	88.1	1.1
140°-150°	53.1	0.7
150°-160°	25.4	0.3
160°-170°	8.3	0.1
170°-180°	1.0	0.0
0°-30°	1731.4	22.0
0°-40°	2845.6	36.2
0°-60°	5124.6	65.1
0°-90°	6990.8	88.8
90°-120°	578.9	7.4
90°-150°	845.5	10.7
90°-180°	880.0	11.2
0°-180°	7871.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2211	2211	2211	2211	2211	
5°	2220	2216	2193	2211	2206	211
15°	2124	2134	2129	2156	2156	599
25°	1942	1965	1988	2029	2029	895
35°	1691	1732	1782	1833	1846	1056
45°	1390	1454	1536	1605	1623	1072
55°	1058	1144	1249	1327	1354	946
65°	716	812	934	1021	1048	709
75°	374	474	611	707	738	394
85°	82	196	333	424	456	95
90°	0	109	232	319	351	6
95°	0	105	223	305	337	0
105°	0	87	210	287	315	3
115°	5	78	178	255	287	5
125°	5	64	150	219	246	4
135°	5	50	123	178	201	4
145°	5	36	87	137	150	3
155°	5	23	55	87	100	2
165°	5	14	27	41	50	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°	2211.0	2211.0	2211.0	2211.0	2211.0
2.5°	2224.7	2220.1	2197.3	2215.5	2206.4
5°	2220.1	2215.5	2192.7	2211.0	2206.4
7.5°	2201.9	2201.9	2188.2	2206.4	2201.9
10°	2183.6	2183.6	2170.0	2192.7	2188.2
12.5°	2156.3	2160.8	2151.7	2179.1	2174.5
15°	2124.4	2133.5	2128.9	2156.3	2156.3
17.5°	2087.9	2097.0	2097.0	2128.9	2128.9
20°	2042.3	2056.0	2065.1	2101.6	2101.6
22.5°	1996.7	2015.0	2028.6	2060.5	2074.2
25°	1942.0	1964.8	1987.6	2028.6	2028.6
27.5°	1887.3	1914.7	1942.0	1983.0	1987.6
30°	1823.5	1855.4	1891.9	1932.9	1942.0
32.5°	1759.7	1800.7	1837.2	1887.3	1901.0
35°	1691.3	1732.3	1782.5	1832.6	1846.3
37.5°	1613.8	1663.9	1727.8	1782.5	1796.1
40°	1545.4	1600.1	1663.9	1727.8	1741.4
42.5°	1467.9	1527.2	1604.7	1663.9	1686.7
45°	1390.4	1454.2	1536.3	1604.7	1622.9
47.5°	1308.4	1381.3	1472.5	1536.3	1559.1
50°	1226.3	1303.8	1399.5	1472.5	1490.7
52.5°	1144.2	1226.3	1326.6	1399.5	1422.3
55°	1057.6	1144.2	1249.1	1326.6	1353.9
57.5°	975.6	1062.2	1171.6	1253.6	1281.0
60°	884.4	984.7	1094.1	1176.2	1208.1
62.5°	806.9	898.1	1016.6	1098.7	1126.0
65°	715.7	811.5	934.5	1021.2	1048.5
67.5°	629.1	729.4	852.5	943.7	971.0
70°	542.5	642.8	775.0	861.6	893.5
72.5°	455.9	560.7	688.4	784.1	816.0
75°	373.8	474.1	610.9	706.6	738.5
77.5°	287.2	396.6	533.4	629.1	665.6
80°	209.7	323.7	460.4	556.2	592.6
82.5°	141.3	255.3	392.1	487.8	524.3
85°	82.1	196.0	332.8	424.0	455.9
87.5°	41.0	150.4	278.1	369.3	401.2
90°	0.0	109.4	232.5	319.1	351.0
92.5°	0.0	104.9	227.9	310.0	341.9
95°	0.0	104.9	223.4	305.4	337.3
97.5°	0.0	100.3	218.8	305.4	332.8
100°	0.0	95.7	218.8	300.9	328.2
102.5°	0.0	91.2	214.3	296.3	323.7
105°	0.0	86.6	209.7	287.2	314.6
107.5°	4.6	86.6	200.6	282.6	310.0
110°	4.6	82.1	191.5	278.1	305.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	77.5	182.3	269.0	296.3
115°	4.6	77.5	177.8	255.3	287.2
117.5°	4.6	72.9	168.7	246.2	278.1
120°	4.6	72.9	164.1	237.1	264.4
122.5°	4.6	68.4	155.0	227.9	255.3
125°	4.6	63.8	150.4	218.8	246.2
127.5°	4.6	59.3	145.9	209.7	237.1
130°	4.6	54.7	136.8	200.6	223.4
132.5°	4.6	54.7	132.2	186.9	214.3
135°	4.6	50.1	123.1	177.8	200.6
137.5°	4.6	45.6	114.0	168.7	191.5
140°	4.6	41.0	104.9	159.6	177.8
142.5°	4.6	41.0	95.7	145.9	164.1
145°	4.6	36.5	86.6	136.8	150.4
147.5°	4.6	31.9	77.5	123.1	136.8
150°	4.6	31.9	68.4	109.4	123.1
152.5°	4.6	27.4	59.3	100.3	114.0
155°	4.6	22.8	54.7	86.6	100.3
157.5°	4.6	22.8	45.6	72.9	86.6
160°	4.6	18.2	41.0	59.3	72.9
162.5°	4.6	18.2	36.5	50.1	63.8
165°	4.6	13.7	27.4	41.0	50.1
167.5°	4.6	13.7	22.8	31.9	41.0
170°	4.6	9.1	18.2	22.8	31.9
172.5°	4.6	9.1	13.7	13.7	13.7
175°	4.6	4.6	9.1	9.1	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)