

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: P567855

Luminaire Tested: **8SNX-52SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567855  
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-52SL-LW-UNV-L935-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

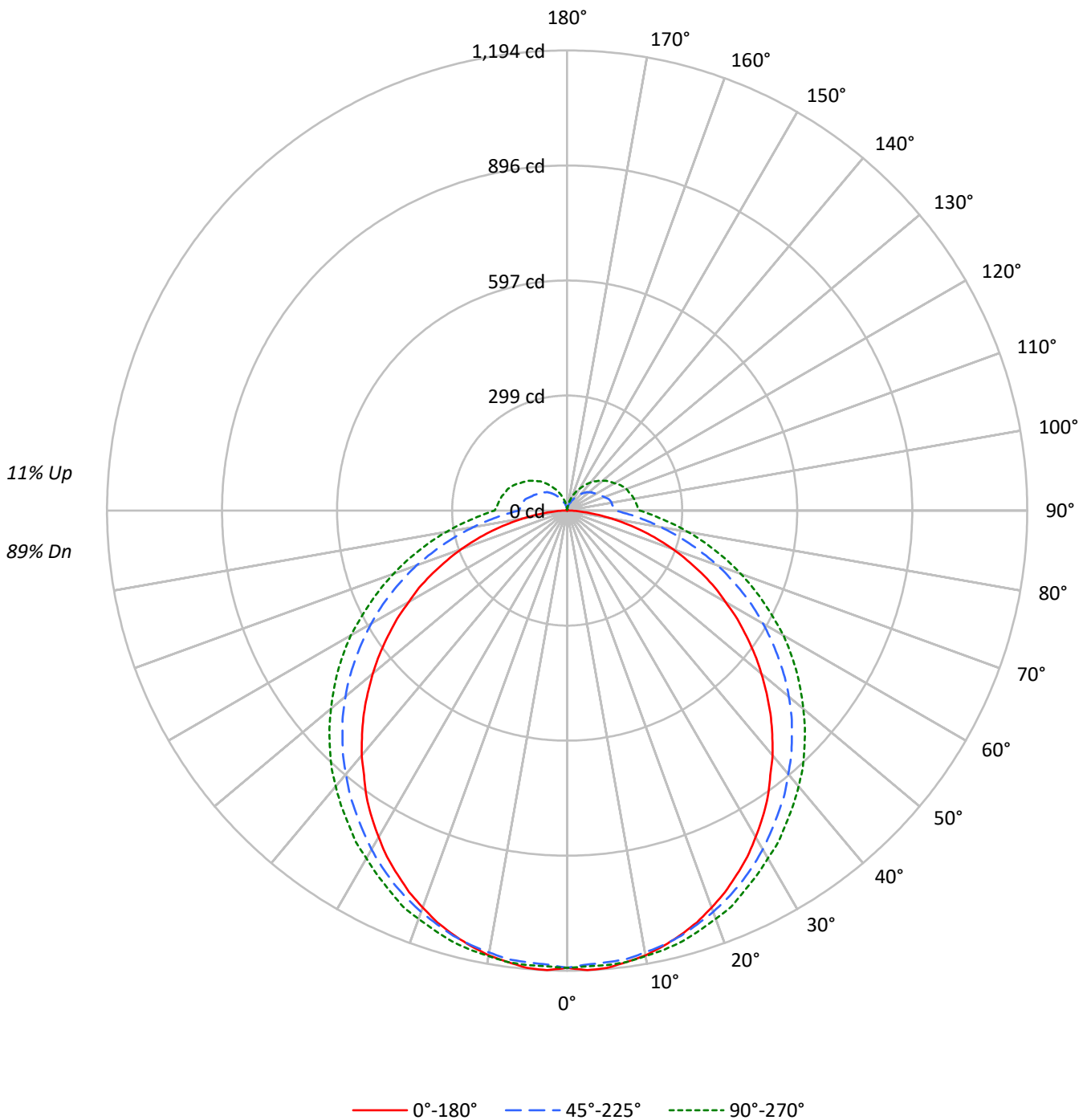
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4223.0 lumens  
Efficiency: N/A  
Efficacy: 128.7 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: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 32.8  
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°	6385	6385	6385
5°	6423	6097	6043
10°	6379	5860	5741
15°	6315	5631	5469
20°	6229	5392	5197
25°	6128	5162	4930
30°	6008	4925	4675
35°	5876	4687	4437
40°	5726	4455	4209
45°	5562	4222	3976
50°	5375	3981	3732
55°	5170	3712	3492
60°	4930	3430	3238
65°	4681	3126	2949
70°	4333	2801	2664
75°	3870	2421	2362
80°	3118	2038	2062
85°	2194	1681	1752



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.7	2.7
10°-20°	323.9	7.7
20°-30°	492.4	11.7
30°-40°	597.8	14.2
40°-50°	631.7	15.0
50°-60°	591.1	14.0
60°-70°	485.0	11.5
70°-80°	333.6	7.9
80°-90°	182.7	4.3
90°-100°	117.6	2.8
100°-110°	105.6	2.5
110°-120°	87.4	2.1
120°-130°	67.3	1.6
130°-140°	47.3	1.1
140°-150°	28.5	0.7
150°-160°	13.6	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	929.0	22.0
0°-40°	1526.7	36.2
0°-60°	2749.5	65.1
0°-90°	3750.7	88.8
90°-120°	310.6	7.4
90°-150°	453.6	10.7
90°-180°	472.0	11.2
0°-180°	4223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1191	1189	1176	1186	1184	113
15°	1140	1145	1142	1157	1157	321
25°	1042	1054	1066	1088	1088	480
35°	907	929	956	983	991	567
45°	746	780	824	861	871	575
55°	567	614	670	712	726	508
65°	384	435	501	548	563	380
75°	201	254	328	379	396	211
85°	44	105	178	228	245	51
90°	0	59	125	171	188	3
95°	0	56	120	164	181	0
105°	0	46	112	154	169	2
115°	2	42	95	137	154	2
125°	2	34	81	117	132	2
135°	2	27	66	95	108	2
145°	2	20	46	73	81	2
155°	2	12	29	46	54	1
165°	2	7	15	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1186.3	1186.3	1186.3	1186.3	1186.3
2.5°	1193.6	1191.1	1178.9	1188.7	1183.8
5°	1191.1	1188.7	1176.5	1186.3	1183.8
7.5°	1181.4	1181.4	1174.0	1183.8	1181.4
10°	1171.6	1171.6	1164.2	1176.5	1174.0
12.5°	1156.9	1159.3	1154.5	1169.1	1166.7
15°	1139.8	1144.7	1142.2	1156.9	1156.9
17.5°	1120.2	1125.1	1125.1	1142.2	1142.2
20°	1095.8	1103.1	1108.0	1127.5	1127.5
22.5°	1071.3	1081.1	1088.4	1105.5	1112.9
25°	1041.9	1054.2	1066.4	1088.4	1088.4
27.5°	1012.6	1027.3	1041.9	1064.0	1066.4
30°	978.4	995.5	1015.0	1037.1	1041.9
32.5°	944.1	966.1	985.7	1012.6	1019.9
35°	907.4	929.4	956.3	983.2	990.6
37.5°	865.8	892.7	927.0	956.3	963.7
40°	829.2	858.5	892.7	927.0	934.3
42.5°	787.6	819.4	860.9	892.7	905.0
45°	746.0	780.2	824.3	860.9	870.7
47.5°	702.0	741.1	790.0	824.3	836.5
50°	657.9	699.5	750.9	790.0	799.8
52.5°	613.9	657.9	711.8	750.9	763.1
55°	567.4	613.9	670.2	711.8	726.4
57.5°	523.4	569.9	628.6	672.6	687.3
60°	474.5	528.3	587.0	631.0	648.2
62.5°	432.9	481.8	545.4	589.5	604.1
65°	384.0	435.4	501.4	547.9	562.6
67.5°	337.5	391.3	457.4	506.3	521.0
70°	291.1	344.9	415.8	462.3	479.4
72.5°	244.6	300.8	369.3	420.7	437.8
75°	200.6	254.4	327.7	379.1	396.2
77.5°	154.1	212.8	286.2	337.5	357.1
80°	112.5	173.7	247.0	298.4	318.0
82.5°	75.8	137.0	210.3	261.7	281.3
85°	44.0	105.2	178.5	227.5	244.6
87.5°	22.0	80.7	149.2	198.1	215.2
90°	0.0	58.7	124.7	171.2	188.3
92.5°	0.0	56.3	122.3	166.3	183.4
95°	0.0	56.3	119.8	163.9	181.0
97.5°	0.0	53.8	117.4	163.9	178.5
100°	0.0	51.4	117.4	161.4	176.1
102.5°	0.0	48.9	115.0	159.0	173.7
105°	0.0	46.5	112.5	154.1	168.8
107.5°	2.4	46.5	107.6	151.6	166.3
110°	2.4	44.0	102.7	149.2	163.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.6	97.8	144.3	159.0
115°	2.4	41.6	95.4	137.0	154.1
117.5°	2.4	39.1	90.5	132.1	149.2
120°	2.4	39.1	88.1	127.2	141.9
122.5°	2.4	36.7	83.2	122.3	137.0
125°	2.4	34.2	80.7	117.4	132.1
127.5°	2.4	31.8	78.3	112.5	127.2
130°	2.4	29.4	73.4	107.6	119.8
132.5°	2.4	29.4	70.9	100.3	115.0
135°	2.4	26.9	66.0	95.4	107.6
137.5°	2.4	24.5	61.1	90.5	102.7
140°	2.4	22.0	56.3	85.6	95.4
142.5°	2.4	22.0	51.4	78.3	88.1
145°	2.4	19.6	46.5	73.4	80.7
147.5°	2.4	17.1	41.6	66.0	73.4
150°	2.4	17.1	36.7	58.7	66.0
152.5°	2.4	14.7	31.8	53.8	61.1
155°	2.4	12.2	29.4	46.5	53.8
157.5°	2.4	12.2	24.5	39.1	46.5
160°	2.4	9.8	22.0	31.8	39.1
162.5°	2.4	9.8	19.6	26.9	34.2
165°	2.4	7.3	14.7	22.0	26.9
167.5°	2.4	7.3	12.2	17.1	22.0
170°	2.4	4.9	9.8	12.2	17.1
172.5°	2.4	4.9	7.3	7.3	7.3
175°	2.4	2.4	4.9	4.9	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)