

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: P567830

Luminaire Tested: **8SNX-52SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567830  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-52SL-FDL-UNV-L930-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

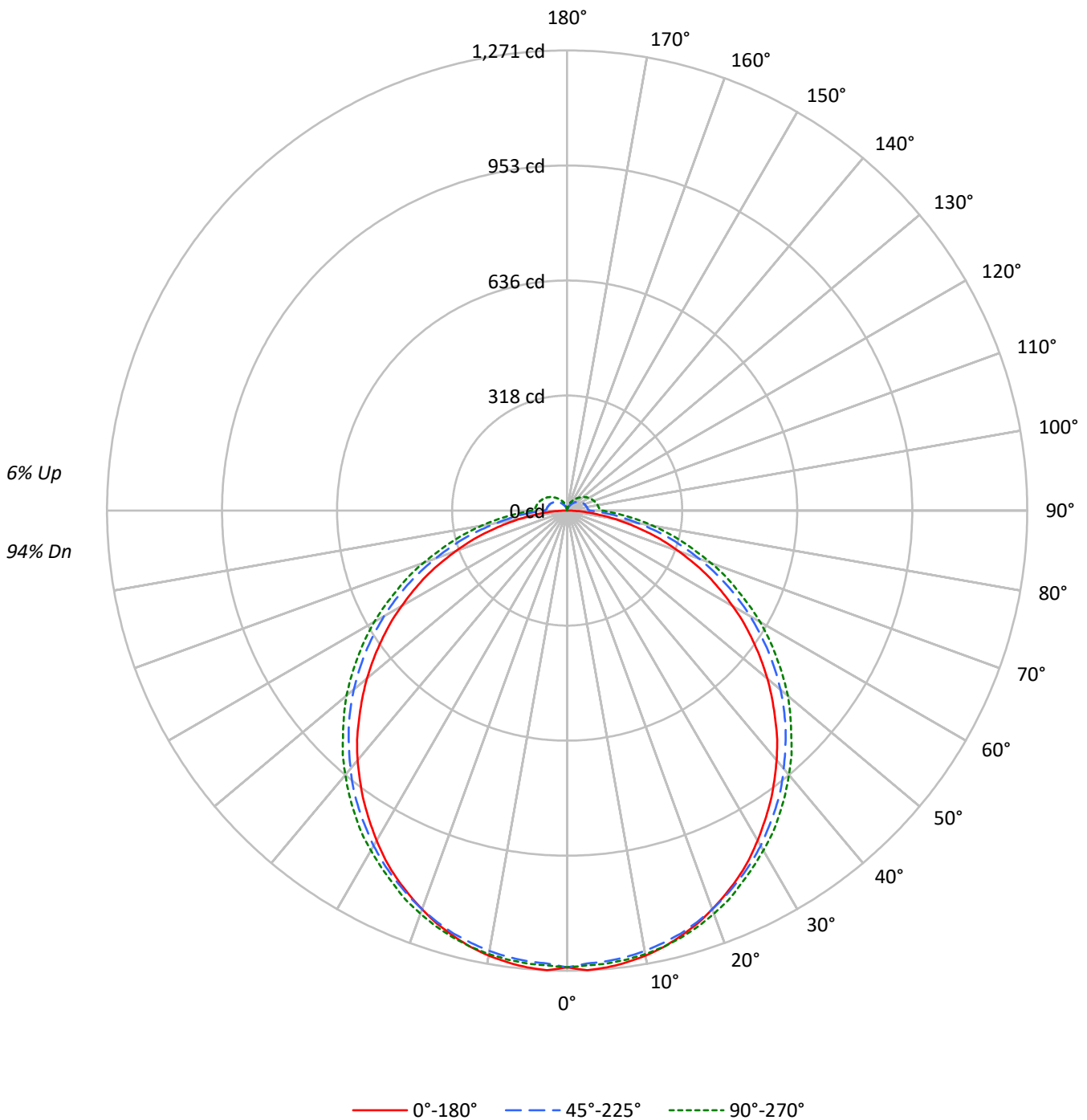
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4009.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6790	6790	6790
5°	6839	6679	6688
10°	6815	6609	6603
15°	6766	6528	6509
20°	6700	6429	6398
25°	6624	6320	6267
30°	6519	6209	6146
35°	6413	6078	6019
40°	6297	5934	5876
45°	6150	5791	5711
50°	6008	5629	5559
55°	5832	5426	5349
60°	5635	5196	5141
65°	5427	4920	4855
70°	5067	4572	4559
75°	4634	4164	4205
80°	3998	3622	3811
85°	3229	3156	3350



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	3.0
10°-20°	343.3	8.6
20°-30°	520.3	13.0
30°-40°	628.1	15.7
40°-50°	655.9	16.4
50°-60°	602.5	15.0
60°-70°	476.5	11.9
70°-80°	301.6	7.5
80°-90°	129.6	3.2
90°-100°	57.1	1.4
100°-110°	51.1	1.3
110°-120°	43.1	1.1
120°-130°	33.6	0.8
130°-140°	23.3	0.6
140°-150°	14.0	0.3
150°-160°	6.8	0.2
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	983.2	24.5
0°-40°	1611.3	40.2
0°-60°	2869.7	71.6
0°-90°	3777.4	94.2
90°-120°	151.2	3.8
90°-150°	222.1	5.5
90°-180°	232.0	5.8
0°-180°	4009.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1266	1263	1250	1260	1256	120
15°	1216	1216	1210	1222	1220	343
25°	1118	1123	1124	1139	1137	515
35°	980	991	1004	1020	1023	612
45°	812	832	853	870	875	627
55°	626	652	679	701	706	560
65°	431	455	487	510	518	424
75°	227	254	291	316	328	241
85°	55	85	122	148	158	61
90°	4	30	62	87	97	5
95°	1	26	57	80	88	1
105°	1	24	53	74	82	1
115°	1	21	48	67	74	1
125°	1	18	40	58	65	1
135°	1	14	33	46	52	1
145°	1	11	23	35	38	1
155°	1	7	15	22	26	1
165°	2	5	8	11	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1270.8	1266.5	1252.3	1262.3	1257.3
5°	1266.5	1263.0	1249.5	1260.1	1255.9
7.5°	1258.7	1255.9	1243.8	1255.2	1250.9
10°	1248.1	1245.9	1235.3	1246.6	1243.8
12.5°	1234.6	1233.9	1223.2	1236.0	1233.9
15°	1216.1	1216.1	1209.7	1222.5	1220.4
17.5°	1196.2	1197.0	1192.0	1205.5	1204.1
20°	1172.1	1175.7	1172.1	1186.3	1184.9
22.5°	1145.8	1150.8	1149.4	1163.6	1164.3
25°	1118.1	1123.1	1124.5	1139.4	1137.3
27.5°	1087.6	1095.4	1098.3	1111.8	1111.1
30°	1052.1	1062.8	1069.2	1080.5	1084.1
32.5°	1015.9	1028.7	1036.5	1052.1	1056.4
35°	979.7	991.1	1003.8	1019.5	1023.0
37.5°	940.0	952.7	969.8	984.7	988.9
40°	900.2	914.4	930.7	947.1	953.4
42.5°	859.0	873.9	891.7	910.8	917.2
45°	812.2	832.0	853.3	869.7	875.4
47.5°	767.4	789.4	812.2	829.9	836.3
50°	722.0	745.4	769.6	785.9	795.8
52.5°	674.4	700.0	724.1	744.7	751.1
55°	626.2	651.7	678.7	700.7	705.7
57.5°	579.3	604.2	631.1	651.7	661.7
60°	528.2	555.2	584.3	604.9	615.5
62.5°	478.5	504.8	536.0	558.0	566.5
65°	430.9	455.1	487.0	509.7	517.5
67.5°	378.4	406.1	436.6	462.9	472.8
70°	326.6	352.8	387.6	412.5	422.4
72.5°	278.3	303.9	338.6	363.5	372.7
75°	227.2	254.2	291.1	315.9	328.0
77.5°	178.2	208.0	243.5	270.5	284.0
80°	132.8	159.0	197.4	227.2	239.2
82.5°	90.2	118.6	158.3	186.0	199.5
85°	55.4	85.2	122.1	148.4	157.6
87.5°	26.3	54.7	88.7	114.3	125.7
90°	3.5	30.5	62.5	87.3	96.6
92.5°	0.7	26.3	57.5	80.9	89.5
95°	0.7	26.3	56.8	79.5	88.0
97.5°	0.7	25.6	56.1	78.8	86.6
100°	0.7	24.8	55.4	77.4	85.9
102.5°	0.7	24.8	54.0	76.0	83.8
105°	0.7	24.1	53.2	74.5	82.4
107.5°	0.7	23.4	51.8	73.1	80.9
110°	0.7	22.0	51.1	71.0	78.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.3	49.7	69.6	76.7
115°	0.7	20.6	48.3	67.4	74.5
117.5°	0.7	19.9	46.1	65.3	72.4
120°	1.4	19.9	44.7	63.2	69.6
122.5°	1.4	19.2	42.6	60.3	66.7
125°	1.4	18.5	40.5	58.2	64.6
127.5°	1.4	17.7	38.3	55.4	61.1
130°	1.4	16.3	36.9	52.5	58.2
132.5°	1.4	15.6	34.8	49.0	54.7
135°	1.4	14.2	32.7	46.1	51.8
137.5°	1.4	13.5	30.5	43.3	48.3
140°	1.4	12.8	27.7	40.5	45.4
142.5°	1.4	11.4	25.6	37.6	41.9
145°	1.4	10.6	22.7	34.8	38.3
147.5°	1.4	9.2	20.6	31.9	35.5
150°	1.4	8.5	18.5	29.1	32.7
152.5°	1.4	7.8	16.3	25.6	29.1
155°	1.4	7.1	14.9	22.0	26.3
157.5°	1.4	6.4	12.8	19.2	23.4
160°	2.1	5.7	11.4	16.3	19.9
162.5°	2.1	5.0	9.2	13.5	17.7
165°	2.1	5.0	7.8	10.6	14.9
167.5°	2.1	4.3	6.4	8.5	12.1
170°	2.1	3.5	5.7	6.4	9.2
172.5°	2.1	2.8	4.3	4.3	5.0
175°	2.1	2.8	3.5	3.5	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)