

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: P567832

Luminaire Tested: **8SNX-52SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567832  
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-L940-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

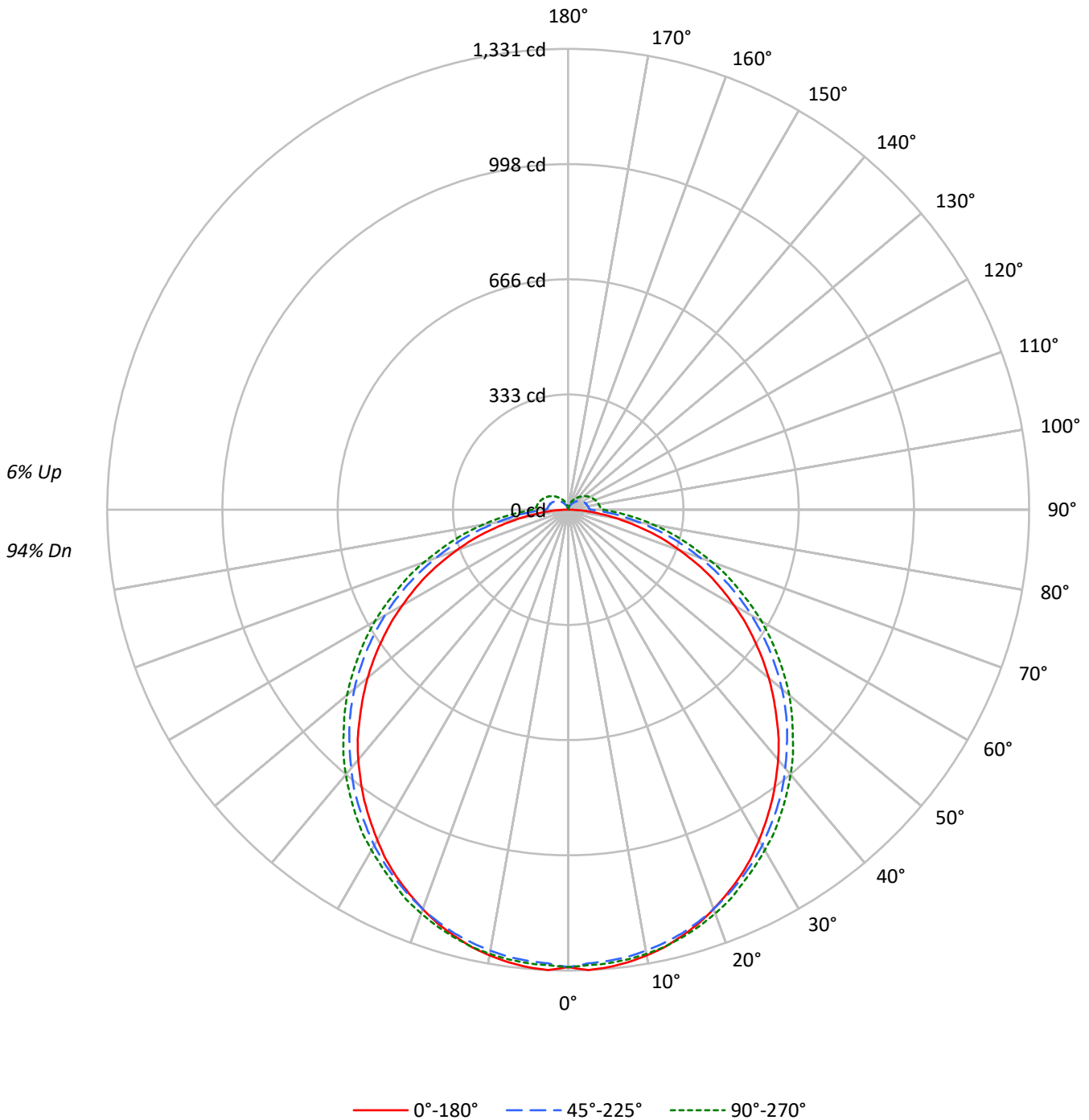
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4199.0 lumens  
Efficiency: N/A  
Efficacy: 128.0 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 (A<sub>in</sub>): 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°	7111	7111	7111
5°	7164	6996	7004
10°	7137	6922	6917
15°	7087	6837	6817
20°	7018	6734	6701
25°	6938	6619	6564
30°	6828	6503	6437
35°	6717	6366	6304
40°	6596	6215	6155
45°	6441	6066	5981
50°	6292	5895	5823
55°	6108	5684	5602
60°	5901	5442	5385
65°	5685	5153	5086
70°	5306	4789	4775
75°	4853	4362	4404
80°	4184	3792	3993
85°	3380	3306	3509



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.3	3.0
10°-20°	359.6	8.6
20°-30°	544.9	13.0
30°-40°	657.8	15.7
40°-50°	686.9	16.4
50°-60°	631.1	15.0
60°-70°	499.1	11.9
70°-80°	315.8	7.5
80°-90°	135.8	3.2
90°-100°	59.7	1.4
100°-110°	53.5	1.3
110°-120°	45.2	1.1
120°-130°	35.2	0.8
130°-140°	24.4	0.6
140°-150°	14.6	0.3
150°-160°	7.1	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1029.8	24.5
0°-40°	1687.7	40.2
0°-60°	3005.7	71.6
0°-90°	3956.4	94.2
90°-120°	158.4	3.8
90°-150°	232.6	5.5
90°-180°	243.0	5.8
0°-180°	4199.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1327	1323	1309	1320	1315	126
15°	1274	1274	1267	1280	1278	359
25°	1171	1176	1178	1194	1191	539
35°	1026	1038	1051	1068	1072	642
45°	851	872	894	911	917	657
55°	656	683	711	734	739	587
65°	451	477	510	534	542	444
75°	238	266	305	331	344	252
85°	58	89	128	155	165	64
90°	4	32	65	92	101	5
95°	1	28	60	83	92	1
105°	1	25	56	78	86	1
115°	1	22	51	71	78	1
125°	2	19	42	61	68	1
135°	2	15	34	48	54	1
145°	2	11	24	36	40	1
155°	2	7	16	23	28	1
165°	2	5	8	11	16	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°	1321.3	1321.3	1321.3	1321.3	1321.3
2.5°	1331.0	1326.6	1311.7	1322.1	1316.9
5°	1326.6	1322.8	1308.7	1319.9	1315.4
7.5°	1318.4	1315.4	1302.8	1314.7	1310.2
10°	1307.2	1305.0	1293.8	1305.7	1302.8
12.5°	1293.1	1292.3	1281.2	1294.6	1292.3
15°	1273.8	1273.8	1267.1	1280.4	1278.2
17.5°	1252.9	1253.7	1248.5	1262.6	1261.1
20°	1227.7	1231.4	1227.7	1242.5	1241.0
22.5°	1200.1	1205.3	1203.9	1218.7	1219.5
25°	1171.1	1176.3	1177.8	1193.5	1191.2
27.5°	1139.2	1147.3	1150.3	1164.5	1163.7
30°	1102.0	1113.1	1119.8	1131.7	1135.5
32.5°	1064.1	1077.5	1085.6	1102.0	1106.5
35°	1026.1	1038.0	1051.4	1067.8	1071.5
37.5°	984.5	997.9	1015.7	1031.3	1035.8
40°	942.9	957.7	974.8	991.9	998.6
42.5°	899.7	915.4	933.9	954.0	960.7
45°	850.7	871.5	893.8	910.9	916.8
47.5°	803.8	826.9	850.7	869.2	875.9
50°	756.2	780.8	806.0	823.1	833.6
52.5°	706.4	733.2	758.5	780.0	786.7
55°	655.8	682.6	710.9	733.9	739.1
57.5°	606.8	632.8	661.0	682.6	693.0
60°	553.2	581.5	612.0	633.5	644.7
62.5°	501.2	528.7	561.4	584.5	593.4
65°	451.4	476.6	510.1	533.9	542.1
67.5°	396.3	425.3	457.3	484.8	495.2
70°	342.0	369.6	406.0	432.0	442.4
72.5°	291.5	318.3	354.7	380.7	390.4
75°	237.9	266.2	304.9	330.9	343.5
77.5°	186.6	217.9	255.0	283.3	297.4
80°	139.0	166.6	206.7	237.9	250.6
82.5°	94.4	124.2	165.8	194.8	208.9
85°	58.0	89.2	127.9	155.4	165.1
87.5°	27.5	57.3	92.9	119.7	131.6
90°	3.7	32.0	65.4	91.5	101.1
92.5°	0.7	27.5	60.2	84.8	93.7
95°	0.7	27.5	59.5	83.3	92.2
97.5°	0.7	26.8	58.7	82.5	90.7
100°	0.7	26.0	58.0	81.1	90.0
102.5°	0.7	26.0	56.5	79.6	87.7
105°	0.7	25.3	55.8	78.1	86.3
107.5°	0.7	24.5	54.3	76.6	84.8
110°	0.7	23.1	53.5	74.4	82.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	22.3	52.1	72.9	80.3
115°	0.7	21.6	50.6	70.6	78.1
117.5°	0.7	20.8	48.3	68.4	75.8
120°	1.5	20.8	46.8	66.2	72.9
122.5°	1.5	20.1	44.6	63.2	69.9
125°	1.5	19.3	42.4	61.0	67.7
127.5°	1.5	18.6	40.2	58.0	63.9
130°	1.5	17.1	38.7	55.0	61.0
132.5°	1.5	16.4	36.4	51.3	57.3
135°	1.5	14.9	34.2	48.3	54.3
137.5°	1.5	14.1	32.0	45.4	50.6
140°	1.5	13.4	29.0	42.4	47.6
142.5°	1.5	11.9	26.8	39.4	43.9
145°	1.5	11.2	23.8	36.4	40.2
147.5°	1.5	9.7	21.6	33.5	37.2
150°	1.5	8.9	19.3	30.5	34.2
152.5°	1.5	8.2	17.1	26.8	30.5
155°	1.5	7.4	15.6	23.1	27.5
157.5°	1.5	6.7	13.4	20.1	24.5
160°	2.2	5.9	11.9	17.1	20.8
162.5°	2.2	5.2	9.7	14.1	18.6
165°	2.2	5.2	8.2	11.2	15.6
167.5°	2.2	4.5	6.7	8.9	12.6
170°	2.2	3.7	5.9	6.7	9.7
172.5°	2.2	3.0	4.5	4.5	5.2
175°	2.2	3.0	3.7	3.7	2.2
177.5°	2.2	2.2	2.2	2.2	1.5
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)