

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: P567833

Luminaire Tested: **8SNX-52SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

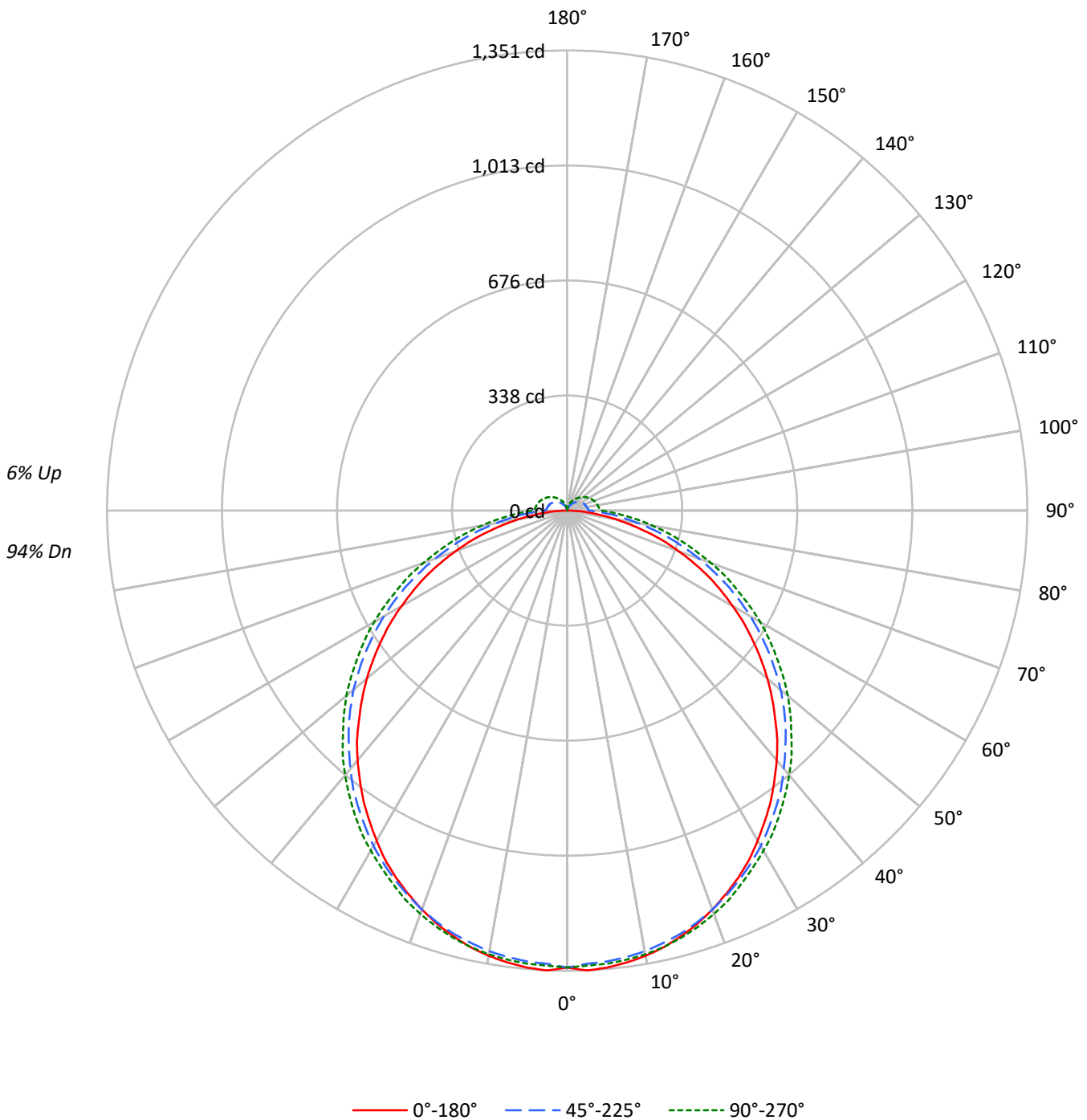
Test Method: LM-79-08  
Report Number: P567833  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-52SL-FDL-UNV-L950-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4263.0 lumens  
Efficiency: N/A  
Efficacy: 130.0 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 (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°	7220	7220	7220
5°	7273	7103	7111
10°	7246	7028	7022
15°	7195	6942	6921
20°	7125	6836	6804
25°	7044	6720	6664
30°	6932	6602	6535
35°	6820	6464	6400
40°	6696	6310	6249
45°	6539	6158	6072
50°	6388	5985	5912
55°	6201	5770	5687
60°	5992	5525	5467
65°	5771	5232	5163
70°	5388	4863	4848
75°	4928	4428	4472
80°	4251	3851	4053
85°	3433	3355	3563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	3.0
10°-20°	365.1	8.6
20°-30°	553.2	13.0
30°-40°	667.9	15.7
40°-50°	697.4	16.4
50°-60°	640.7	15.0
60°-70°	506.7	11.9
70°-80°	320.7	7.5
80°-90°	137.8	3.2
90°-100°	60.7	1.4
100°-110°	54.3	1.3
110°-120°	45.9	1.1
120°-130°	35.8	0.8
130°-140°	24.7	0.6
140°-150°	14.8	0.3
150°-160°	7.3	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1045.5	24.5
0°-40°	1713.4	40.2
0°-60°	3051.5	71.6
0°-90°	4016.7	94.2
90°-120°	160.8	3.8
90°-150°	236.2	5.5
90°-180°	246.0	5.8
0°-180°	4263.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1347	1343	1329	1340	1335	128
15°	1293	1293	1286	1300	1298	365
25°	1189	1194	1196	1212	1209	548
35°	1042	1054	1068	1084	1088	651
45°	864	885	907	925	931	667
55°	666	693	722	745	750	596
65°	458	484	518	542	550	451
75°	242	270	310	336	349	256
85°	59	91	130	158	168	65
90°	4	32	66	93	103	5
95°	1	28	60	85	94	1
105°	1	26	57	79	88	1
115°	1	22	51	72	79	1
125°	2	20	43	62	69	1
135°	2	15	35	49	55	1
145°	2	11	24	37	41	1
155°	2	8	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°	1341.5	1341.5	1341.5	1341.5	1341.5
2.5°	1351.3	1346.8	1331.7	1342.2	1337.0
5°	1346.8	1343.0	1328.7	1340.0	1335.4
7.5°	1338.5	1335.4	1322.6	1334.7	1330.2
10°	1327.1	1324.9	1313.6	1325.6	1322.6
12.5°	1312.8	1312.0	1300.7	1314.3	1312.0
15°	1293.2	1293.2	1286.4	1300.0	1297.7
17.5°	1272.0	1272.8	1267.5	1281.8	1280.3
20°	1246.4	1250.1	1246.4	1261.5	1260.0
22.5°	1218.4	1223.7	1222.2	1237.3	1238.1
25°	1189.0	1194.3	1195.8	1211.6	1209.4
27.5°	1156.5	1164.8	1167.9	1182.2	1181.4
30°	1118.8	1130.1	1136.9	1149.0	1152.8
32.5°	1080.3	1093.9	1102.2	1118.8	1123.3
35°	1041.8	1053.9	1067.5	1084.1	1087.8
37.5°	999.5	1013.1	1031.2	1047.1	1051.6
40°	957.2	972.3	989.7	1007.1	1013.9
42.5°	913.4	929.3	948.2	968.6	975.4
45°	863.6	884.8	907.4	924.8	930.8
47.5°	816.1	839.5	863.6	882.5	889.3
50°	767.7	792.7	818.3	835.7	846.3
52.5°	717.2	744.3	770.0	791.9	798.7
55°	665.8	693.0	721.7	745.1	750.4
57.5°	616.0	642.4	671.1	693.0	703.6
60°	561.7	590.3	621.3	643.2	654.5
62.5°	508.8	536.7	570.0	593.4	602.4
65°	458.2	483.9	517.9	542.0	550.3
67.5°	402.4	431.8	464.3	492.2	502.8
70°	347.3	375.2	412.2	438.6	449.2
72.5°	295.9	323.1	360.1	386.5	396.3
75°	241.6	270.3	309.5	335.9	348.8
77.5°	189.5	221.2	258.9	287.6	302.0
80°	141.2	169.1	209.9	241.6	254.4
82.5°	95.9	126.1	168.3	197.8	212.1
85°	58.9	90.6	129.8	157.8	167.6
87.5°	27.9	58.1	94.4	121.5	133.6
90°	3.8	32.5	66.4	92.9	102.7
92.5°	0.8	27.9	61.1	86.1	95.1
95°	0.8	27.9	60.4	84.6	93.6
97.5°	0.8	27.2	59.6	83.8	92.1
100°	0.8	26.4	58.9	82.3	91.3
102.5°	0.8	26.4	57.4	80.8	89.1
105°	0.8	25.7	56.6	79.3	87.6
107.5°	0.8	24.9	55.1	77.8	86.1
110°	0.8	23.4	54.4	75.5	83.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	22.6	52.8	74.0	81.5
115°	0.8	21.9	51.3	71.7	79.3
117.5°	0.8	21.1	49.1	69.5	77.0
120°	1.5	21.1	47.6	67.2	74.0
122.5°	1.5	20.4	45.3	64.2	71.0
125°	1.5	19.6	43.0	61.9	68.7
127.5°	1.5	18.9	40.8	58.9	64.9
130°	1.5	17.4	39.3	55.9	61.9
132.5°	1.5	16.6	37.0	52.1	58.1
135°	1.5	15.1	34.7	49.1	55.1
137.5°	1.5	14.3	32.5	46.0	51.3
140°	1.5	13.6	29.4	43.0	48.3
142.5°	1.5	12.1	27.2	40.0	44.5
145°	1.5	11.3	24.2	37.0	40.8
147.5°	1.5	9.8	21.9	34.0	37.7
150°	1.5	9.1	19.6	31.0	34.7
152.5°	1.5	8.3	17.4	27.2	31.0
155°	1.5	7.5	15.9	23.4	27.9
157.5°	1.5	6.8	13.6	20.4	24.9
160°	2.3	6.0	12.1	17.4	21.1
162.5°	2.3	5.3	9.8	14.3	18.9
165°	2.3	5.3	8.3	11.3	15.9
167.5°	2.3	4.5	6.8	9.1	12.8
170°	2.3	3.8	6.0	6.8	9.8
172.5°	2.3	3.0	4.5	4.5	5.3
175°	2.3	3.0	3.8	3.8	2.3
177.5°	2.3	2.3	2.3	2.3	1.5
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)