

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: P567827

Luminaire Tested: **8SNX-52SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567827
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-L835-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

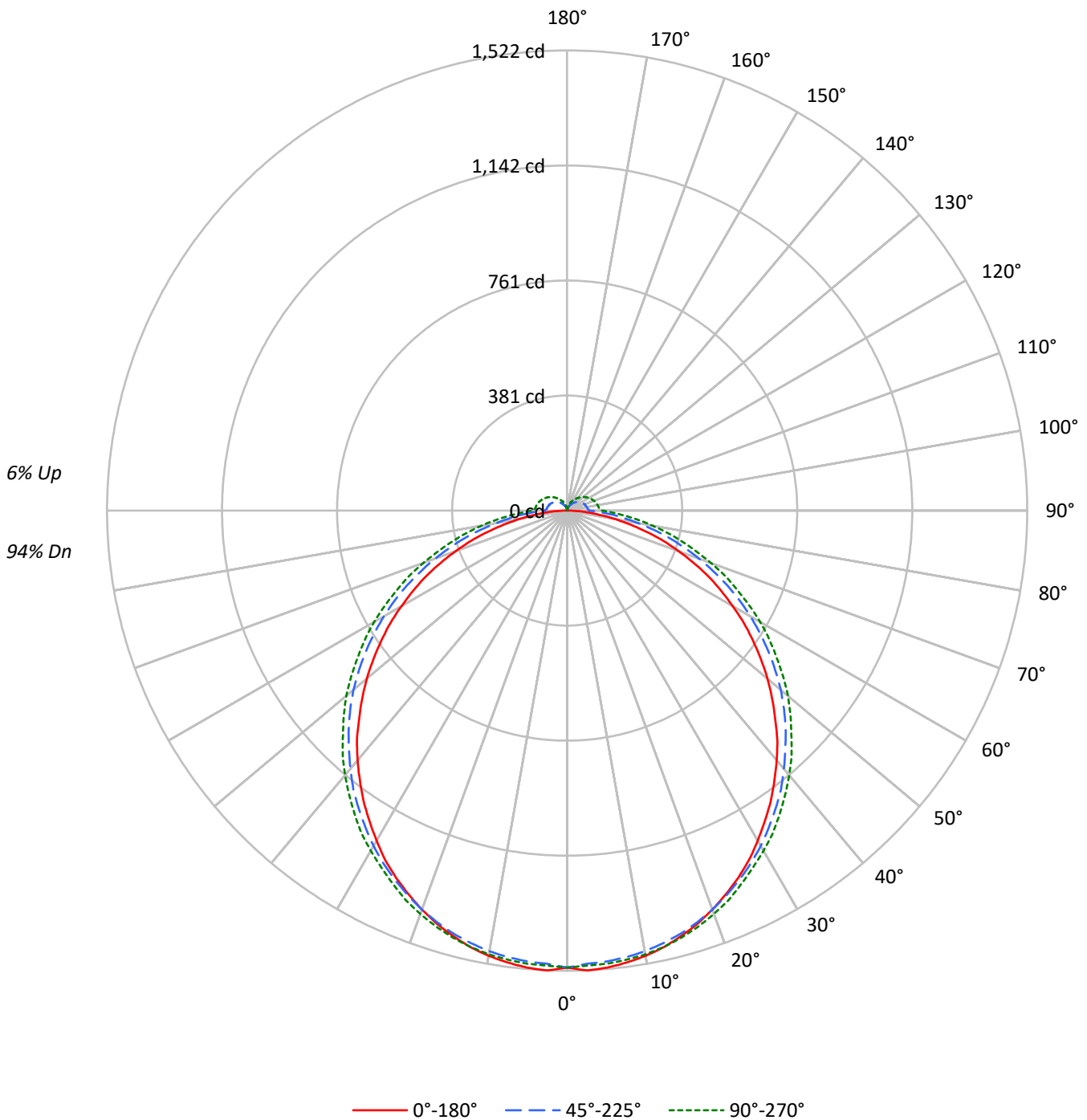
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.1 lumens
Efficiency: N/A
Efficacy: 146.4 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_{in}): 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°	8134	8134	8134
5°	8194	8002	8012
10°	8164	7918	7911
15°	8107	7821	7798
20°	8027	7702	7666
25°	7936	7572	7508
30°	7810	7438	7363
35°	7683	7282	7211
40°	7544	7109	7041
45°	7367	6938	6842
50°	7198	6743	6661
55°	6987	6501	6407
60°	6751	6224	6159
65°	6502	5894	5817
70°	6069	5478	5463
75°	5552	4988	5038
80°	4790	4339	4566
85°	3864	3781	4013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	3.0
10°-20°	411.3	8.6
20°-30°	623.3	13.0
30°-40°	752.5	15.7
40°-50°	785.8	16.4
50°-60°	721.9	15.0
60°-70°	570.9	11.9
70°-80°	361.3	7.5
80°-90°	155.3	3.2
90°-100°	68.4	1.4
100°-110°	61.2	1.3
110°-120°	51.7	1.1
120°-130°	40.3	0.8
130°-140°	27.9	0.6
140°-150°	16.7	0.3
150°-160°	8.2	0.2
160°-170°	2.8	0.1
170°-180°	0.4	0.0
0°-30°	1178.0	24.5
0°-40°	1930.4	40.2
0°-60°	3438.1	71.6
0°-90°	4525.5	94.2
90°-120°	181.2	3.8
90°-150°	266.1	5.5
90°-180°	278.0	5.8
0°-180°	4803.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1511	1511	1511	1511	1511	
5°	1517	1513	1497	1510	1505	144
15°	1457	1457	1449	1465	1462	411
25°	1340	1346	1347	1365	1363	617
35°	1174	1187	1203	1221	1226	734
45°	973	997	1022	1042	1049	752
55°	750	781	813	840	845	671
65°	516	545	584	611	620	508
75°	272	304	349	378	393	288
85°	66	102	146	178	189	73
90°	4	37	75	105	116	6
95°	1	32	68	95	106	1
105°	1	29	64	89	99	1
115°	1	25	58	81	89	1
125°	2	22	48	70	77	2
135°	2	17	39	55	62	1
145°	2	13	27	42	46	1
155°	2	8	18	26	32	1
165°	3	6	9	13	18	1
175°	3	3	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1511.4	1511.4	1511.4	1511.4	1511.4
2.5°	1522.5	1517.4	1500.4	1512.3	1506.3
5°	1517.4	1513.1	1497.0	1509.7	1504.6
7.5°	1508.0	1504.6	1490.2	1503.8	1498.7
10°	1495.3	1492.7	1479.9	1493.6	1490.2
12.5°	1479.1	1478.2	1465.5	1480.8	1478.2
15°	1457.0	1457.0	1449.3	1464.6	1462.1
17.5°	1433.2	1434.0	1428.1	1444.2	1442.5
20°	1404.2	1408.5	1404.2	1421.3	1419.6
22.5°	1372.8	1378.7	1377.0	1394.0	1394.9
25°	1339.6	1345.6	1347.3	1365.1	1362.6
27.5°	1303.0	1312.4	1315.8	1331.9	1331.1
30°	1260.5	1273.3	1280.9	1294.5	1298.8
32.5°	1217.1	1232.4	1241.8	1260.5	1265.6
35°	1173.7	1187.4	1202.7	1221.4	1225.6
37.5°	1126.1	1141.4	1161.8	1179.7	1184.8
40°	1078.5	1095.5	1115.1	1134.6	1142.3
42.5°	1029.2	1047.0	1068.3	1091.2	1098.9
45°	973.0	996.8	1022.4	1041.9	1048.7
47.5°	919.4	945.8	973.0	994.3	1001.9
50°	865.0	893.1	922.0	941.6	953.5
52.5°	808.0	838.6	867.6	892.2	899.9
55°	750.2	780.8	813.1	839.5	845.4
57.5°	694.0	723.8	756.1	780.8	792.7
60°	632.8	665.1	700.0	724.7	737.4
62.5°	573.3	604.7	642.2	668.5	678.7
65°	516.3	545.2	583.5	610.7	620.0
67.5°	453.3	486.5	523.1	554.6	566.5
70°	391.2	422.7	464.4	494.2	506.1
72.5°	333.4	364.0	405.7	435.5	446.5
75°	272.2	304.5	348.7	378.5	393.0
77.5°	213.5	249.2	291.7	324.1	340.2
80°	159.1	190.5	236.5	272.2	286.6
82.5°	108.0	142.0	189.7	222.8	239.0
85°	66.3	102.1	146.3	177.8	188.8
87.5°	31.5	65.5	106.3	136.9	150.5
90°	4.3	36.6	74.8	104.6	115.7
92.5°	0.9	31.5	68.9	97.0	107.2
95°	0.9	31.5	68.0	95.3	105.5
97.5°	0.9	30.6	67.2	94.4	103.8
100°	0.9	29.8	66.3	92.7	102.9
102.5°	0.9	29.8	64.6	91.0	100.4
105°	0.9	28.9	63.8	89.3	98.7
107.5°	0.9	28.1	62.1	87.6	97.0
110°	0.9	26.4	61.2	85.1	94.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	25.5	59.5	83.4	91.9
115°	0.9	24.7	57.8	80.8	89.3
117.5°	0.9	23.8	55.3	78.2	86.8
120°	1.7	23.8	53.6	75.7	83.4
122.5°	1.7	23.0	51.0	72.3	80.0
125°	1.7	22.1	48.5	69.7	77.4
127.5°	1.7	21.3	45.9	66.3	73.1
130°	1.7	19.6	44.2	62.9	69.7
132.5°	1.7	18.7	41.7	58.7	65.5
135°	1.7	17.0	39.1	55.3	62.1
137.5°	1.7	16.2	36.6	51.9	57.8
140°	1.7	15.3	33.2	48.5	54.4
142.5°	1.7	13.6	30.6	45.1	50.2
145°	1.7	12.8	27.2	41.7	45.9
147.5°	1.7	11.1	24.7	38.3	42.5
150°	1.7	10.2	22.1	34.9	39.1
152.5°	1.7	9.4	19.6	30.6	34.9
155°	1.7	8.5	17.9	26.4	31.5
157.5°	1.7	7.7	15.3	23.0	28.1
160°	2.6	6.8	13.6	19.6	23.8
162.5°	2.6	6.0	11.1	16.2	21.3
165°	2.6	6.0	9.4	12.8	17.9
167.5°	2.6	5.1	7.7	10.2	14.5
170°	2.6	4.3	6.8	7.7	11.1
172.5°	2.6	3.4	5.1	5.1	6.0
175°	2.6	3.4	4.3	4.3	2.6
177.5°	2.6	2.6	2.6	2.6	1.7
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)