

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: P567831

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567831
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-L935-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

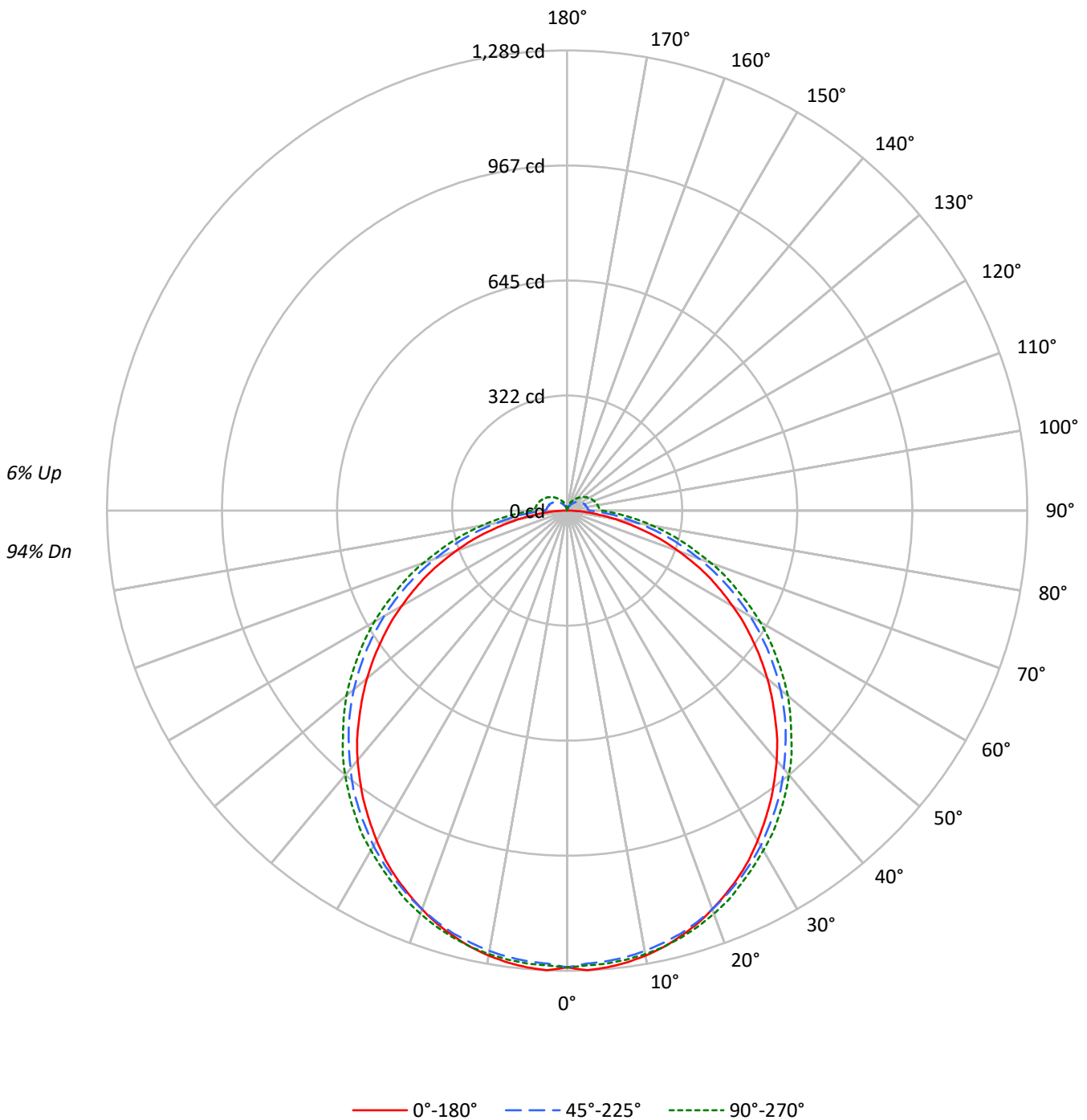
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4066.0 lumens
Efficiency: N/A
Efficacy: 124.0 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_{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°	6886	6886	6886
5°	6936	6775	6782
10°	6911	6703	6697
15°	6863	6620	6601
20°	6796	6520	6489
25°	6718	6409	6356
30°	6612	6297	6233
35°	6504	6164	6105
40°	6387	6018	5960
45°	6237	5874	5792
50°	6094	5708	5639
55°	5915	5503	5424
60°	5715	5269	5215
65°	5505	4989	4924
70°	5138	4637	4624
75°	4700	4223	4265
80°	4052	3673	3867
85°	3275	3200	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	3.0
10°-20°	348.2	8.6
20°-30°	527.7	13.0
30°-40°	637.0	15.7
40°-50°	665.2	16.4
50°-60°	611.1	15.0
60°-70°	483.2	11.9
70°-80°	305.9	7.5
80°-90°	131.5	3.2
90°-100°	57.8	1.4
100°-110°	51.8	1.3
110°-120°	43.7	1.1
120°-130°	34.1	0.8
130°-140°	23.6	0.6
140°-150°	14.2	0.3
150°-160°	6.9	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	997.2	24.5
0°-40°	1634.2	40.2
0°-60°	2910.5	71.6
0°-90°	3831.1	94.2
90°-120°	153.4	3.8
90°-150°	225.2	5.5
90°-180°	235.0	5.8
0°-180°	4066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1284	1281	1267	1278	1274	122
15°	1233	1233	1227	1240	1238	348
25°	1134	1139	1140	1156	1154	522
35°	994	1005	1018	1034	1038	621
45°	824	844	866	882	888	636
55°	635	661	688	711	716	568
65°	437	462	494	517	525	430
75°	230	258	295	320	333	244
85°	56	86	124	150	160	62
90°	4	31	63	89	98	5
95°	1	27	58	81	89	1
105°	1	24	54	76	84	1
115°	1	21	49	68	76	1
125°	1	19	41	59	66	1
135°	1	14	33	47	53	1
145°	1	11	23	35	39	1
155°	1	7	15	22	27	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°	1279.5	1279.5	1279.5	1279.5	1279.5
2.5°	1288.9	1284.5	1270.1	1280.2	1275.2
5°	1284.5	1280.9	1267.3	1278.1	1273.7
7.5°	1276.6	1273.7	1261.5	1273.0	1268.7
10°	1265.8	1263.7	1252.9	1264.4	1261.5
12.5°	1252.1	1251.4	1240.6	1253.6	1251.4
15°	1233.4	1233.4	1226.9	1239.9	1237.7
17.5°	1213.3	1214.0	1208.9	1222.6	1221.2
20°	1188.8	1192.4	1188.8	1203.2	1201.7
22.5°	1162.1	1167.2	1165.7	1180.1	1180.8
25°	1134.0	1139.1	1140.5	1155.6	1153.5
27.5°	1103.1	1111.0	1113.9	1127.6	1126.8
30°	1067.1	1077.9	1084.4	1095.9	1099.5
32.5°	1030.4	1043.3	1051.2	1067.1	1071.4
35°	993.6	1005.2	1018.1	1034.0	1037.6
37.5°	953.3	966.3	983.6	998.7	1003.0
40°	913.0	927.4	944.0	960.5	967.0
42.5°	871.2	886.4	904.4	923.8	930.3
45°	823.7	843.9	865.5	882.0	887.8
47.5°	778.4	800.7	823.7	841.7	848.2
50°	732.3	756.0	780.5	797.1	807.2
52.5°	684.0	709.9	734.4	755.3	761.8
55°	635.1	661.0	688.3	710.7	715.7
57.5°	587.5	612.7	640.1	661.0	671.1
60°	535.7	563.1	592.6	613.5	624.3
62.5°	485.3	511.9	543.6	565.9	574.6
65°	437.1	461.5	493.9	517.0	524.9
67.5°	383.8	411.9	442.8	469.5	479.5
70°	331.2	357.9	393.1	418.3	428.4
72.5°	282.3	308.2	343.5	368.7	378.0
75°	230.4	257.8	295.2	320.4	332.7
77.5°	180.7	211.0	247.0	274.3	288.0
80°	134.6	161.3	200.2	230.4	242.7
82.5°	91.4	120.2	160.6	188.6	202.3
85°	56.2	86.4	123.8	150.5	159.8
87.5°	26.6	55.4	90.0	115.9	127.4
90°	3.6	31.0	63.4	88.6	97.9
92.5°	0.7	26.6	58.3	82.1	90.7
95°	0.7	26.6	57.6	80.6	89.3
97.5°	0.7	25.9	56.9	79.9	87.8
100°	0.7	25.2	56.2	78.5	87.1
102.5°	0.7	25.2	54.7	77.0	85.0
105°	0.7	24.5	54.0	75.6	83.5
107.5°	0.7	23.8	52.6	74.2	82.1
110°	0.7	22.3	51.8	72.0	79.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.6	50.4	70.6	77.8
115°	0.7	20.9	49.0	68.4	75.6
117.5°	0.7	20.2	46.8	66.2	73.4
120°	1.4	20.2	45.4	64.1	70.6
122.5°	1.4	19.4	43.2	61.2	67.7
125°	1.4	18.7	41.0	59.0	65.5
127.5°	1.4	18.0	38.9	56.2	61.9
130°	1.4	16.6	37.4	53.3	59.0
132.5°	1.4	15.8	35.3	49.7	55.4
135°	1.4	14.4	33.1	46.8	52.6
137.5°	1.4	13.7	31.0	43.9	49.0
140°	1.4	13.0	28.1	41.0	46.1
142.5°	1.4	11.5	25.9	38.2	42.5
145°	1.4	10.8	23.0	35.3	38.9
147.5°	1.4	9.4	20.9	32.4	36.0
150°	1.4	8.6	18.7	29.5	33.1
152.5°	1.4	7.9	16.6	25.9	29.5
155°	1.4	7.2	15.1	22.3	26.6
157.5°	1.4	6.5	13.0	19.4	23.8
160°	2.2	5.8	11.5	16.6	20.2
162.5°	2.2	5.0	9.4	13.7	18.0
165°	2.2	5.0	7.9	10.8	15.1
167.5°	2.2	4.3	6.5	8.6	12.2
170°	2.2	3.6	5.8	6.5	9.4
172.5°	2.2	2.9	4.3	4.3	5.0
175°	2.2	2.9	3.6	3.6	2.2
177.5°	2.2	2.2	2.2	2.2	1.4
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)