

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: P567051

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567051
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: 4SNX-SL3-FDL-UNV-CC83-CD-4000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

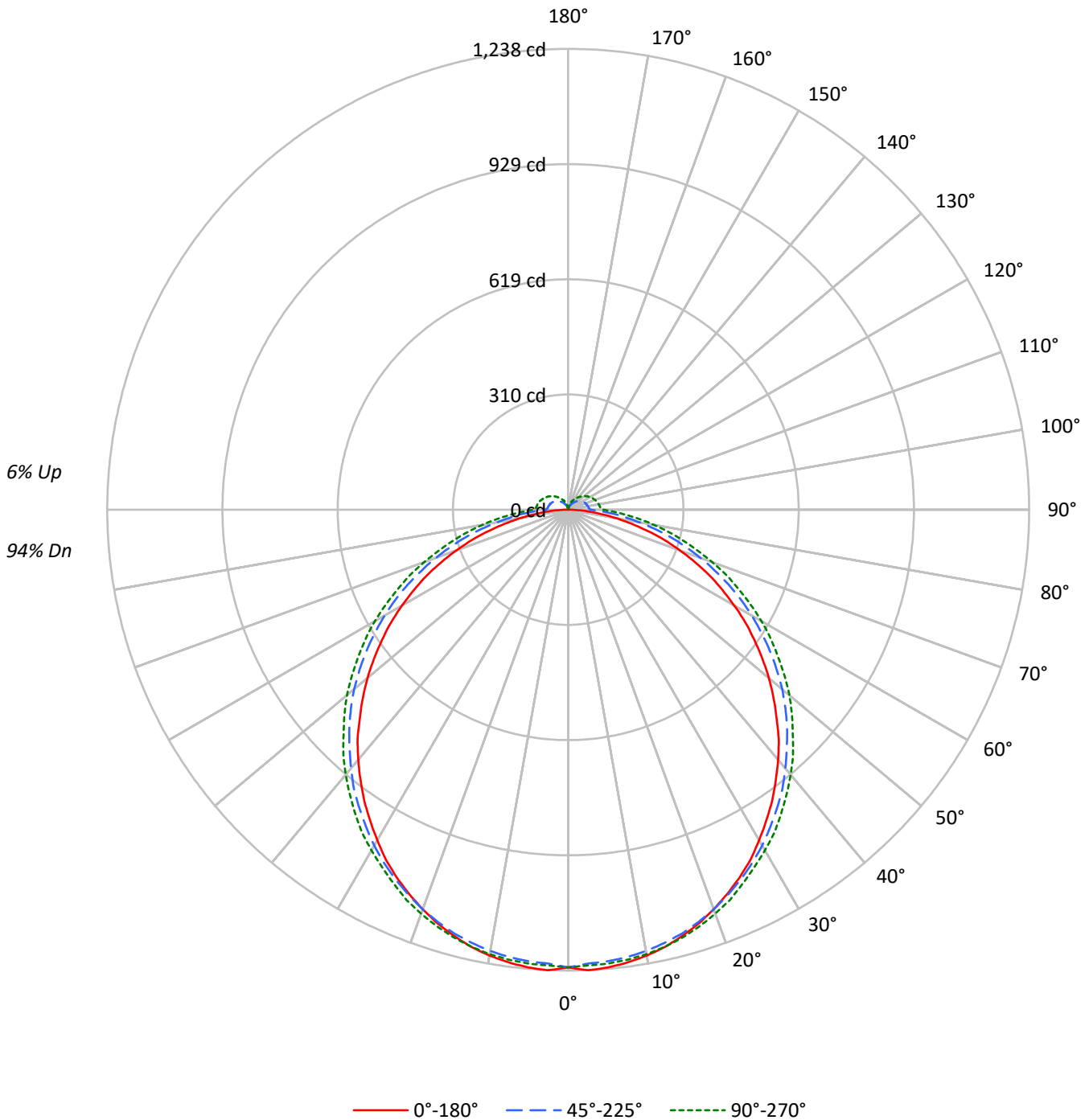
Lumens per Lamp: N/A
Luminaire Lumens: 3907.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 32.274
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°	13234	13234	13234
5°	13325	13015	13034
10°	13270	12874	12871
15°	13171	12712	12687
20°	13035	12514	12470
25°	12879	12298	12215
30°	12669	12078	11979
35°	12456	11819	11732
40°	12220	11533	11455
45°	11924	11250	11131
50°	11638	10928	10836
55°	11283	10529	10424
60°	10886	10073	10022
65°	10463	9529	9464
70°	9739	8846	8887
75°	8863	8041	8195
80°	7574	6970	7431
85°	5960	6045	6530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	3.0
10°-20°	334.6	8.6
20°-30°	507.0	13.0
30°-40°	612.1	15.7
40°-50°	639.2	16.4
50°-60°	587.2	15.0
60°-70°	464.4	11.9
70°-80°	293.9	7.5
80°-90°	126.3	3.2
90°-100°	55.6	1.4
100°-110°	49.8	1.3
110°-120°	42.0	1.1
120°-130°	32.8	0.8
130°-140°	22.7	0.6
140°-150°	13.6	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	958.2	24.5
0°-40°	1570.3	40.2
0°-60°	2796.7	71.6
0°-90°	3681.3	94.2
90°-120°	147.4	3.8
90°-150°	216.5	5.5
90°-180°	226.0	5.8
0°-180°	3907.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1234	1231	1218	1228	1224	117
15°	1185	1185	1179	1191	1189	334
25°	1090	1094	1096	1110	1108	502
35°	955	966	978	994	997	597
45°	792	811	832	848	853	611
55°	610	635	661	683	688	546
65°	420	444	475	497	504	414
75°	221	248	284	308	320	235
85°	54	83	119	145	154	60
90°	4	30	61	85	94	5
95°	1	26	55	78	86	1
105°	1	24	52	73	80	1
115°	1	20	47	66	73	1
125°	1	18	39	57	63	1
135°	1	14	32	45	50	1
145°	1	10	22	34	37	1
155°	1	7	14	21	26	1
165°	2	5	8	10	14	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°	1229.5	1229.5	1229.5	1229.5	1229.5
2.5°	1238.5	1234.3	1220.5	1230.2	1225.3
5°	1234.3	1230.8	1217.7	1228.1	1223.9
7.5°	1226.7	1223.9	1212.2	1223.2	1219.1
10°	1216.3	1214.2	1203.9	1214.9	1212.2
12.5°	1203.2	1202.5	1192.1	1204.6	1202.5
15°	1185.2	1185.2	1179.0	1191.4	1189.3
17.5°	1165.8	1166.5	1161.7	1174.8	1173.4
20°	1142.3	1145.7	1142.3	1156.1	1154.7
22.5°	1116.7	1121.5	1120.1	1134.0	1134.7
25°	1089.7	1094.5	1095.9	1110.5	1108.4
27.5°	1060.0	1067.6	1070.3	1083.5	1082.8
30°	1025.4	1035.7	1042.0	1053.0	1056.5
32.5°	990.1	1002.5	1010.1	1025.4	1029.5
35°	954.8	965.9	978.3	993.5	997.0
37.5°	916.0	928.5	945.1	959.6	963.8
40°	877.3	891.1	907.0	923.0	929.2
42.5°	837.2	851.7	869.0	887.7	893.9
45°	791.5	810.9	831.6	847.5	853.1
47.5°	747.9	769.4	791.5	808.8	815.0
50°	703.6	726.5	750.0	765.9	775.6
52.5°	657.3	682.2	705.7	725.8	732.0
55°	610.2	635.1	661.4	682.9	687.7
57.5°	564.6	588.8	615.1	635.1	644.8
60°	514.8	541.0	569.4	589.5	599.9
62.5°	466.3	491.9	522.4	543.8	552.1
65°	420.0	443.5	474.6	496.8	504.4
67.5°	368.8	395.8	425.5	451.1	460.8
70°	318.3	343.9	377.8	402.0	411.7
72.5°	271.2	296.1	330.0	354.2	363.2
75°	221.4	247.7	283.7	307.9	319.6
77.5°	173.7	202.7	237.3	263.6	276.7
80°	129.4	155.0	192.3	221.4	233.2
82.5°	87.9	115.5	154.3	181.3	194.4
85°	54.0	83.0	119.0	144.6	153.6
87.5°	25.6	53.3	86.5	111.4	122.5
90°	3.5	29.8	60.9	85.1	94.1
92.5°	0.7	25.6	56.0	78.9	87.2
95°	0.7	25.6	55.3	77.5	85.8
97.5°	0.7	24.9	54.7	76.8	84.4
100°	0.7	24.2	54.0	75.4	83.7
102.5°	0.7	24.2	52.6	74.0	81.6
105°	0.7	23.5	51.9	72.6	80.3
107.5°	0.7	22.8	50.5	71.3	78.9
110°	0.7	21.4	49.8	69.2	76.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.8	48.4	67.8	74.7
115°	0.7	20.1	47.0	65.7	72.6
117.5°	0.7	19.4	45.0	63.7	70.6
120°	1.4	19.4	43.6	61.6	67.8
122.5°	1.4	18.7	41.5	58.8	65.0
125°	1.4	18.0	39.4	56.7	63.0
127.5°	1.4	17.3	37.4	54.0	59.5
130°	1.4	15.9	36.0	51.2	56.7
132.5°	1.4	15.2	33.9	47.7	53.3
135°	1.4	13.8	31.8	45.0	50.5
137.5°	1.4	13.1	29.8	42.2	47.0
140°	1.4	12.5	27.0	39.4	44.3
142.5°	1.4	11.1	24.9	36.7	40.8
145°	1.4	10.4	22.1	33.9	37.4
147.5°	1.4	9.0	20.1	31.1	34.6
150°	1.4	8.3	18.0	28.4	31.8
152.5°	1.4	7.6	15.9	24.9	28.4
155°	1.4	6.9	14.5	21.4	25.6
157.5°	1.4	6.2	12.5	18.7	22.8
160°	2.1	5.5	11.1	15.9	19.4
162.5°	2.1	4.8	9.0	13.1	17.3
165°	2.1	4.8	7.6	10.4	14.5
167.5°	2.1	4.2	6.2	8.3	11.8
170°	2.1	3.5	5.5	6.2	9.0
172.5°	2.1	2.8	4.2	4.2	4.8
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)