

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: P566551

Luminaire Tested: **4SNX-51SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-51SL-SLW-UNV-L835-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

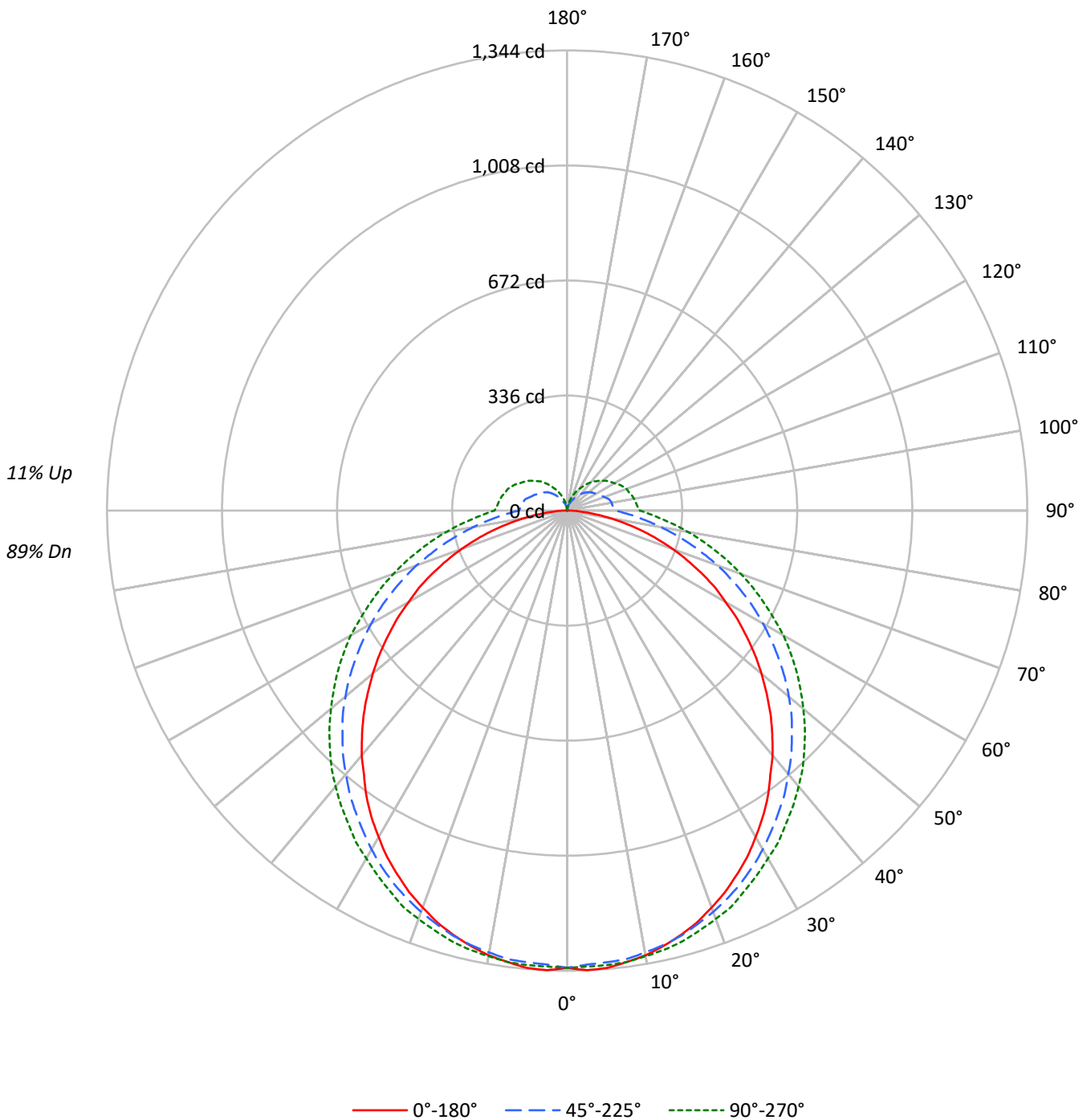
Lumens per Lamp: N/A  
Luminaire Lumens: 4754.1 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 35  
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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71				
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58				
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49				
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41				
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35				
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	14374	14374	14374
5°	14462	14005	13993
10°	14363	13721	13646
15°	14219	13431	13328
20°	14023	13098	12972
25°	13798	12772	12602
30°	13527	12415	12234
35°	13231	12043	11889
40°	12891	11677	11559
45°	12524	11305	11202
50°	12104	10912	10803
55°	11643	10439	10411
60°	11101	9934	9974
65°	10541	9367	9422
70°	9757	8741	8883
75°	8716	7948	8286
80°	7027	7139	7696
85°	4951	6446	7091



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.8	2.7
10°-20°	364.6	7.7
20°-30°	554.4	11.7
30°-40°	672.9	14.2
40°-50°	711.1	15.0
50°-60°	665.4	14.0
60°-70°	546.0	11.5
70°-80°	375.5	7.9
80°-90°	205.7	4.3
90°-100°	132.4	2.8
100°-110°	118.8	2.5
110°-120°	98.4	2.1
120°-130°	75.8	1.6
130°-140°	53.2	1.1
140°-150°	32.1	0.7
150°-160°	15.4	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1045.8	22.0
0°-40°	1718.7	36.2
0°-60°	3095.2	65.1
0°-90°	4222.4	88.8
90°-120°	349.6	7.4
90°-150°	510.7	10.7
90°-180°	532.0	11.2
0°-180°	4754.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1341	1338	1324	1335	1333	127
15°	1283	1289	1286	1302	1302	362
25°	1173	1187	1200	1225	1225	540
35°	1022	1046	1077	1107	1115	638
45°	840	878	928	969	980	647
55°	639	691	754	801	818	572
65°	432	490	564	617	633	428
75°	226	286	369	427	446	238
85°	50	118	201	256	275	57
90°	0	66	140	193	212	3
95°	0	63	135	184	204	0
105°	0	52	127	174	190	2
115°	3	47	107	154	174	3
125°	3	38	91	132	149	3
135°	3	30	74	107	121	2
145°	3	22	52	83	91	2
155°	3	14	33	52	61	1
165°	3	8	16	25	30	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1335.4	1335.4	1335.4	1335.4	1335.4
2.5°	1343.7	1340.9	1327.1	1338.2	1332.7
5°	1340.9	1338.2	1324.4	1335.4	1332.7
7.5°	1329.9	1329.9	1321.6	1332.7	1329.9
10°	1318.9	1318.9	1310.6	1324.4	1321.6
12.5°	1302.4	1305.1	1299.6	1316.1	1313.4
15°	1283.1	1288.6	1285.8	1302.4	1302.4
17.5°	1261.1	1266.6	1266.6	1285.8	1285.8
20°	1233.5	1241.8	1247.3	1269.3	1269.3
22.5°	1206.0	1217.0	1225.3	1244.5	1252.8
25°	1173.0	1186.7	1200.5	1225.3	1225.3
27.5°	1139.9	1156.4	1173.0	1197.7	1200.5
30°	1101.4	1120.6	1142.7	1167.5	1173.0
32.5°	1062.8	1087.6	1109.6	1139.9	1148.2
35°	1021.5	1046.3	1076.6	1106.9	1115.1
37.5°	974.7	1005.0	1043.5	1076.6	1084.8
40°	933.4	966.5	1005.0	1043.5	1051.8
42.5°	886.6	922.4	969.2	1005.0	1018.8
45°	839.8	878.3	927.9	969.2	980.2
47.5°	790.2	834.3	889.4	927.9	941.7
50°	740.7	787.5	845.3	889.4	900.4
52.5°	691.1	740.7	801.2	845.3	859.1
55°	638.8	691.1	754.4	801.2	817.8
57.5°	589.2	641.5	707.6	757.2	773.7
60°	534.2	594.7	660.8	710.4	729.7
62.5°	487.4	542.4	614.0	663.6	680.1
65°	432.3	490.1	564.5	616.8	633.3
67.5°	380.0	440.5	514.9	570.0	586.5
70°	327.7	388.2	468.1	520.4	539.7
72.5°	275.3	338.7	415.8	473.6	492.9
75°	225.8	286.4	369.0	426.8	446.1
77.5°	173.5	239.5	322.2	380.0	402.0
80°	126.7	195.5	278.1	335.9	357.9
82.5°	85.4	154.2	236.8	294.6	316.6
85°	49.6	118.4	201.0	256.1	275.3
87.5°	24.8	90.9	168.0	223.0	242.3
90°	0.0	66.1	140.4	192.7	212.0
92.5°	0.0	63.3	137.7	187.2	206.5
95°	0.0	63.3	134.9	184.5	203.8
97.5°	0.0	60.6	132.2	184.5	201.0
100°	0.0	57.8	132.2	181.7	198.2
102.5°	0.0	55.1	129.4	179.0	195.5
105°	0.0	52.3	126.7	173.5	190.0
107.5°	2.8	52.3	121.2	170.7	187.2
110°	2.8	49.6	115.6	168.0	184.5



TEST NUMBER: P566551

CATALOG NUMBER: 4SNX-51SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	46.8	110.1	162.5	179.0
115°	2.8	46.8	107.4	154.2	173.5
117.5°	2.8	44.1	101.9	148.7	168.0
120°	2.8	44.1	99.1	143.2	159.7
122.5°	2.8	41.3	93.6	137.7	154.2
125°	2.8	38.5	90.9	132.2	148.7
127.5°	2.8	35.8	88.1	126.7	143.2
130°	2.8	33.0	82.6	121.2	134.9
132.5°	2.8	33.0	79.8	112.9	129.4
135°	2.8	30.3	74.3	107.4	121.2
137.5°	2.8	27.5	68.8	101.9	115.6
140°	2.8	24.8	63.3	96.4	107.4
142.5°	2.8	24.8	57.8	88.1	99.1
145°	2.8	22.0	52.3	82.6	90.9
147.5°	2.8	19.3	46.8	74.3	82.6
150°	2.8	19.3	41.3	66.1	74.3
152.5°	2.8	16.5	35.8	60.6	68.8
155°	2.8	13.8	33.0	52.3	60.6
157.5°	2.8	13.8	27.5	44.1	52.3
160°	2.8	11.0	24.8	35.8	44.1
162.5°	2.8	11.0	22.0	30.3	38.5
165°	2.8	8.3	16.5	24.8	30.3
167.5°	2.8	8.3	13.8	19.3	24.8
170°	2.8	5.5	11.0	13.8	19.3
172.5°	2.8	5.5	8.3	8.3	8.3
175°	2.8	2.8	5.5	5.5	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)