

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: P566556

Luminaire Tested: **4SNX-51SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566556  
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-L940-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

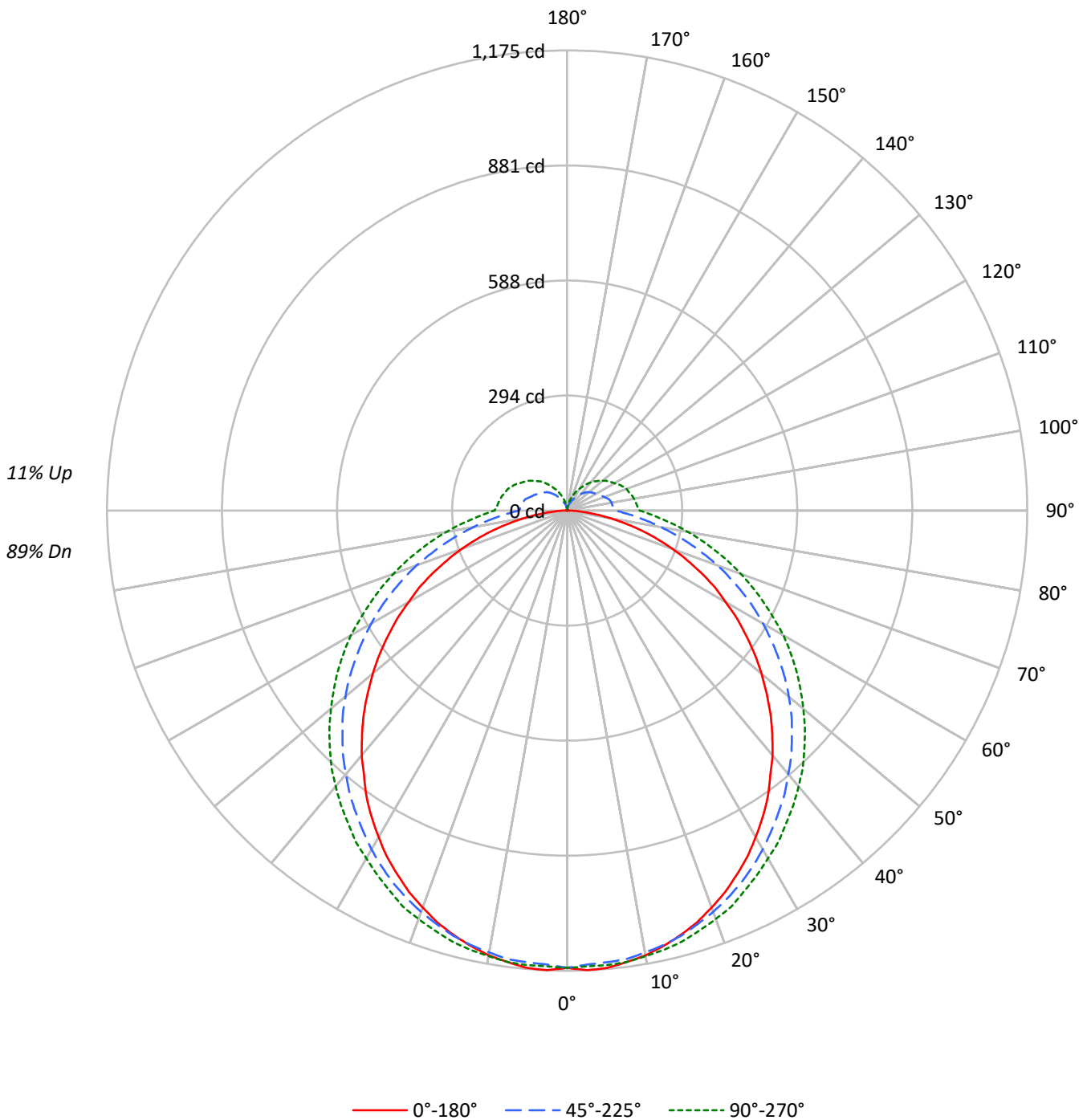
Lumens per Lamp: N/A  
Luminaire Lumens: 4156.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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	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	77	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°	12566	12566	12566
5°	12643	12243	12233
10°	12556	11996	11930
15°	12431	11742	11651
20°	12260	11451	11341
25°	12062	11166	11016
30°	11825	10853	10695
35°	11566	10529	10394
40°	11270	10209	10105
45°	10949	9883	9793
50°	10581	9539	9444
55°	10178	9126	9101
60°	9705	8685	8719
65°	9215	8187	8236
70°	8527	7641	7765
75°	7620	6946	7242
80°	6139	6241	6728
85°	4322	5635	6200



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.9	2.7
10°-20°	318.7	7.7
20°-30°	484.6	11.7
30°-40°	588.3	14.2
40°-50°	621.7	15.0
50°-60°	581.7	14.0
60°-70°	477.3	11.5
70°-80°	328.3	7.9
80°-90°	179.8	4.3
90°-100°	115.8	2.8
100°-110°	103.9	2.5
110°-120°	86.0	2.1
120°-130°	66.2	1.6
130°-140°	46.5	1.1
140°-150°	28.0	0.7
150°-160°	13.4	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	914.2	22.0
0°-40°	1502.5	36.2
0°-60°	2705.9	65.1
0°-90°	3691.2	88.8
90°-120°	305.6	7.4
90°-150°	446.4	10.7
90°-180°	465.0	11.2
0°-180°	4156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1172	1170	1158	1167	1165	111
15°	1122	1126	1124	1138	1138	316
25°	1025	1037	1050	1071	1071	473
35°	893	915	941	968	975	558
45°	734	768	811	847	857	566
55°	558	604	660	700	715	500
65°	378	428	493	539	554	374
75°	197	250	322	373	390	208
85°	43	104	176	224	241	50
90°	0	58	123	168	185	3
95°	0	55	118	161	178	0
105°	0	46	111	152	166	2
115°	2	41	94	135	152	2
125°	2	34	79	116	130	2
135°	2	26	65	94	106	2
145°	2	19	46	72	79	2
155°	2	12	29	46	53	1
165°	2	7	14	22	26	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1167.4	1167.4	1167.4	1167.4	1167.4
2.5°	1174.7	1172.2	1160.2	1169.8	1165.0
5°	1172.2	1169.8	1157.8	1167.4	1165.0
7.5°	1162.6	1162.6	1155.4	1165.0	1162.6
10°	1153.0	1153.0	1145.8	1157.8	1155.4
12.5°	1138.5	1141.0	1136.1	1150.6	1148.2
15°	1121.7	1126.5	1124.1	1138.5	1138.5
17.5°	1102.4	1107.3	1107.3	1124.1	1124.1
20°	1078.4	1085.6	1090.4	1109.7	1109.7
22.5°	1054.3	1063.9	1071.1	1088.0	1095.2
25°	1025.4	1037.4	1049.5	1071.1	1071.1
27.5°	996.5	1011.0	1025.4	1047.1	1049.5
30°	962.8	979.7	998.9	1020.6	1025.4
32.5°	929.1	950.8	970.1	996.5	1003.7
35°	893.0	914.7	941.2	967.6	974.9
37.5°	852.1	878.6	912.3	941.2	948.4
40°	816.0	844.9	878.6	912.3	919.5
42.5°	775.1	806.4	847.3	878.6	890.6
45°	734.2	767.9	811.2	847.3	856.9
47.5°	690.8	729.3	777.5	811.2	823.2
50°	647.5	688.4	739.0	777.5	787.1
52.5°	604.2	647.5	700.5	739.0	751.0
55°	558.4	604.2	659.5	700.5	714.9
57.5°	515.1	560.8	618.6	661.9	676.4
60°	467.0	519.9	577.7	621.0	637.9
62.5°	426.1	474.2	536.8	580.1	594.5
65°	377.9	428.5	493.4	539.2	553.6
67.5°	332.2	385.1	450.1	498.3	512.7
70°	286.4	339.4	409.2	454.9	471.8
72.5°	240.7	296.1	363.5	414.0	430.9
75°	197.4	250.3	322.5	373.1	389.9
77.5°	151.6	209.4	281.6	332.2	351.4
80°	110.7	170.9	243.1	293.7	312.9
82.5°	74.6	134.8	207.0	257.6	276.8
85°	43.3	103.5	175.7	223.9	240.7
87.5°	21.7	79.4	146.8	195.0	211.8
90°	0.0	57.8	122.8	168.5	185.3
92.5°	0.0	55.4	120.4	163.7	180.5
95°	0.0	55.4	117.9	161.3	178.1
97.5°	0.0	53.0	115.5	161.3	175.7
100°	0.0	50.5	115.5	158.9	173.3
102.5°	0.0	48.1	113.1	156.5	170.9
105°	0.0	45.7	110.7	151.6	166.1
107.5°	2.4	45.7	105.9	149.2	163.7
110°	2.4	43.3	101.1	146.8	161.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.9	96.3	142.0	156.5
115°	2.4	40.9	93.9	134.8	151.6
117.5°	2.4	38.5	89.1	130.0	146.8
120°	2.4	38.5	86.7	125.2	139.6
122.5°	2.4	36.1	81.8	120.4	134.8
125°	2.4	33.7	79.4	115.5	130.0
127.5°	2.4	31.3	77.0	110.7	125.2
130°	2.4	28.9	72.2	105.9	117.9
132.5°	2.4	28.9	69.8	98.7	113.1
135°	2.4	26.5	65.0	93.9	105.9
137.5°	2.4	24.1	60.2	89.1	101.1
140°	2.4	21.7	55.4	84.2	93.9
142.5°	2.4	21.7	50.5	77.0	86.7
145°	2.4	19.3	45.7	72.2	79.4
147.5°	2.4	16.8	40.9	65.0	72.2
150°	2.4	16.8	36.1	57.8	65.0
152.5°	2.4	14.4	31.3	53.0	60.2
155°	2.4	12.0	28.9	45.7	53.0
157.5°	2.4	12.0	24.1	38.5	45.7
160°	2.4	9.6	21.7	31.3	38.5
162.5°	2.4	9.6	19.3	26.5	33.7
165°	2.4	7.2	14.4	21.7	26.5
167.5°	2.4	7.2	12.0	16.8	21.7
170°	2.4	4.8	9.6	12.0	16.8
172.5°	2.4	4.8	7.2	7.2	7.2
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)