

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: P566557

Luminaire Tested: **4SNX-51SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566557  
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-L950-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

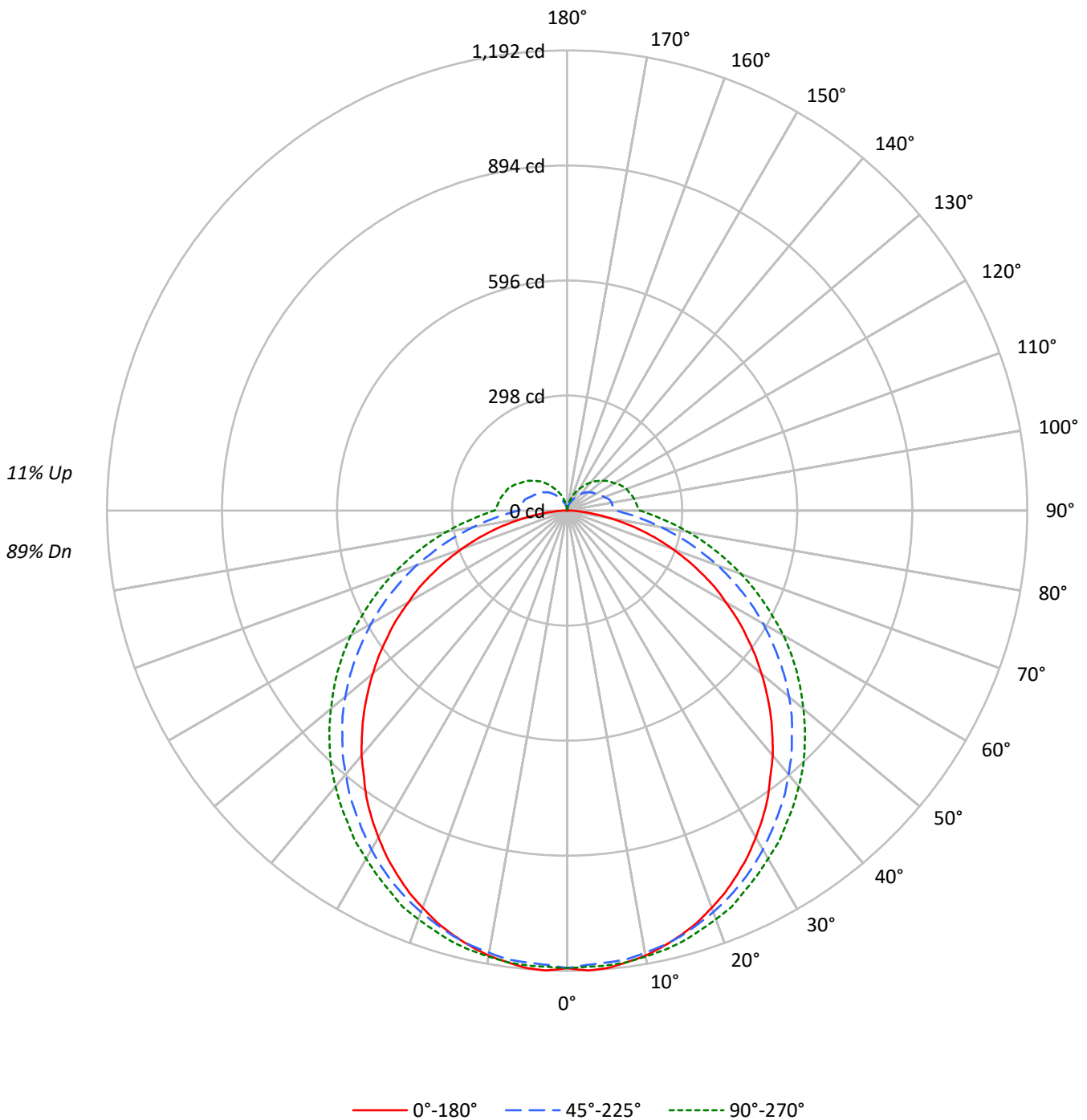
Lumens per Lamp: N/A  
Luminaire Lumens: 4219.0 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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°	12756	12756	12756
5°	12835	12429	12418
10°	12747	12177	12111
15°	12619	11919	11828
20°	12445	11624	11513
25°	12245	11335	11183
30°	12004	11018	10858
35°	11742	10688	10551
40°	11441	10363	10258
45°	11115	10033	9941
50°	10741	9684	9587
55°	10332	9264	9238
60°	9852	8817	8850
65°	9354	8312	8361
70°	8658	7757	7882
75°	7735	7052	7354
80°	6234	6336	6831
85°	4392	5721	6295



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	2.7
10°-20°	323.5	7.7
20°-30°	492.0	11.7
30°-40°	597.2	14.2
40°-50°	631.1	15.0
50°-60°	590.5	14.0
60°-70°	484.5	11.5
70°-80°	333.3	7.9
80°-90°	182.5	4.3
90°-100°	117.5	2.8
100°-110°	105.4	2.5
110°-120°	87.3	2.1
120°-130°	67.2	1.6
130°-140°	47.2	1.1
140°-150°	28.5	0.7
150°-160°	13.6	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	928.1	22.0
0°-40°	1525.3	36.2
0°-60°	2746.9	65.1
0°-90°	3747.2	88.8
90°-120°	310.3	7.4
90°-150°	453.1	10.7
90°-180°	472.0	11.2
0°-180°	4219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1190	1188	1175	1185	1183	113
15°	1139	1144	1141	1156	1156	321
25°	1041	1053	1065	1087	1087	480
35°	907	929	955	982	990	566
45°	745	780	824	860	870	574
55°	567	613	670	711	726	507
65°	384	435	501	547	562	380
75°	200	254	327	379	396	211
85°	44	105	178	227	244	51
90°	0	59	125	171	188	3
95°	0	56	120	164	181	0
105°	0	46	112	154	169	2
115°	2	42	95	137	154	2
125°	2	34	81	117	132	2
135°	2	27	66	95	108	2
145°	2	20	46	73	81	2
155°	2	12	29	46	54	1
165°	2	7	15	22	27	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°	1185.1	1185.1	1185.1	1185.1	1185.1
2.5°	1192.5	1190.0	1177.8	1187.6	1182.7
5°	1190.0	1187.6	1175.4	1185.1	1182.7
7.5°	1180.2	1180.2	1172.9	1182.7	1180.2
10°	1170.5	1170.5	1163.1	1175.4	1172.9
12.5°	1155.8	1158.2	1153.4	1168.0	1165.6
15°	1138.7	1143.6	1141.1	1155.8	1155.8
17.5°	1119.2	1124.0	1124.0	1141.1	1141.1
20°	1094.7	1102.0	1106.9	1126.5	1126.5
22.5°	1070.3	1080.1	1087.4	1104.5	1111.8
25°	1041.0	1053.2	1065.4	1087.4	1087.4
27.5°	1011.6	1026.3	1041.0	1062.9	1065.4
30°	977.4	994.5	1014.1	1036.1	1041.0
32.5°	943.2	965.2	984.8	1011.6	1019.0
35°	906.6	928.6	955.4	982.3	989.6
37.5°	865.0	891.9	926.1	955.4	962.8
40°	828.4	857.7	891.9	926.1	933.4
42.5°	786.8	818.6	860.1	891.9	904.1
45°	745.3	779.5	823.5	860.1	869.9
47.5°	701.3	740.4	789.3	823.5	835.7
50°	657.3	698.9	750.2	789.3	799.0
52.5°	613.3	657.3	711.1	750.2	762.4
55°	566.9	613.3	669.5	711.1	725.7
57.5°	522.9	569.3	628.0	672.0	686.6
60°	474.1	527.8	586.5	630.4	647.5
62.5°	432.5	481.4	544.9	588.9	603.6
65°	383.6	435.0	500.9	547.4	562.0
67.5°	337.2	391.0	456.9	505.8	520.5
70°	290.8	344.5	415.4	461.8	478.9
72.5°	244.4	300.6	369.0	420.3	437.4
75°	200.4	254.1	327.4	378.8	395.9
77.5°	153.9	212.6	285.9	337.2	356.8
80°	112.4	173.5	246.8	298.1	317.7
82.5°	75.8	136.8	210.1	261.5	281.0
85°	44.0	105.1	178.4	227.3	244.4
87.5°	22.0	80.6	149.1	197.9	215.0
90°	0.0	58.6	124.6	171.0	188.2
92.5°	0.0	56.2	122.2	166.2	183.3
95°	0.0	56.2	119.7	163.7	180.8
97.5°	0.0	53.8	117.3	163.7	178.4
100°	0.0	51.3	117.3	161.3	175.9
102.5°	0.0	48.9	114.8	158.8	173.5
105°	0.0	46.4	112.4	153.9	168.6
107.5°	2.4	46.4	107.5	151.5	166.2
110°	2.4	44.0	102.6	149.1	163.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.5	97.7	144.2	158.8
115°	2.4	41.5	95.3	136.8	153.9
117.5°	2.4	39.1	90.4	132.0	149.1
120°	2.4	39.1	88.0	127.1	141.7
122.5°	2.4	36.7	83.1	122.2	136.8
125°	2.4	34.2	80.6	117.3	132.0
127.5°	2.4	31.8	78.2	112.4	127.1
130°	2.4	29.3	73.3	107.5	119.7
132.5°	2.4	29.3	70.9	100.2	114.8
135°	2.4	26.9	66.0	95.3	107.5
137.5°	2.4	24.4	61.1	90.4	102.6
140°	2.4	22.0	56.2	85.5	95.3
142.5°	2.4	22.0	51.3	78.2	88.0
145°	2.4	19.5	46.4	73.3	80.6
147.5°	2.4	17.1	41.5	66.0	73.3
150°	2.4	17.1	36.7	58.6	66.0
152.5°	2.4	14.7	31.8	53.8	61.1
155°	2.4	12.2	29.3	46.4	53.8
157.5°	2.4	12.2	24.4	39.1	46.4
160°	2.4	9.8	22.0	31.8	39.1
162.5°	2.4	9.8	19.5	26.9	34.2
165°	2.4	7.3	14.7	22.0	26.9
167.5°	2.4	7.3	12.2	17.1	22.0
170°	2.4	4.9	9.8	12.2	17.1
172.5°	2.4	4.9	7.3	7.3	7.3
175°	2.4	2.4	4.9	4.9	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)