

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: P566501

Luminaire Tested: **4SNX-48SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

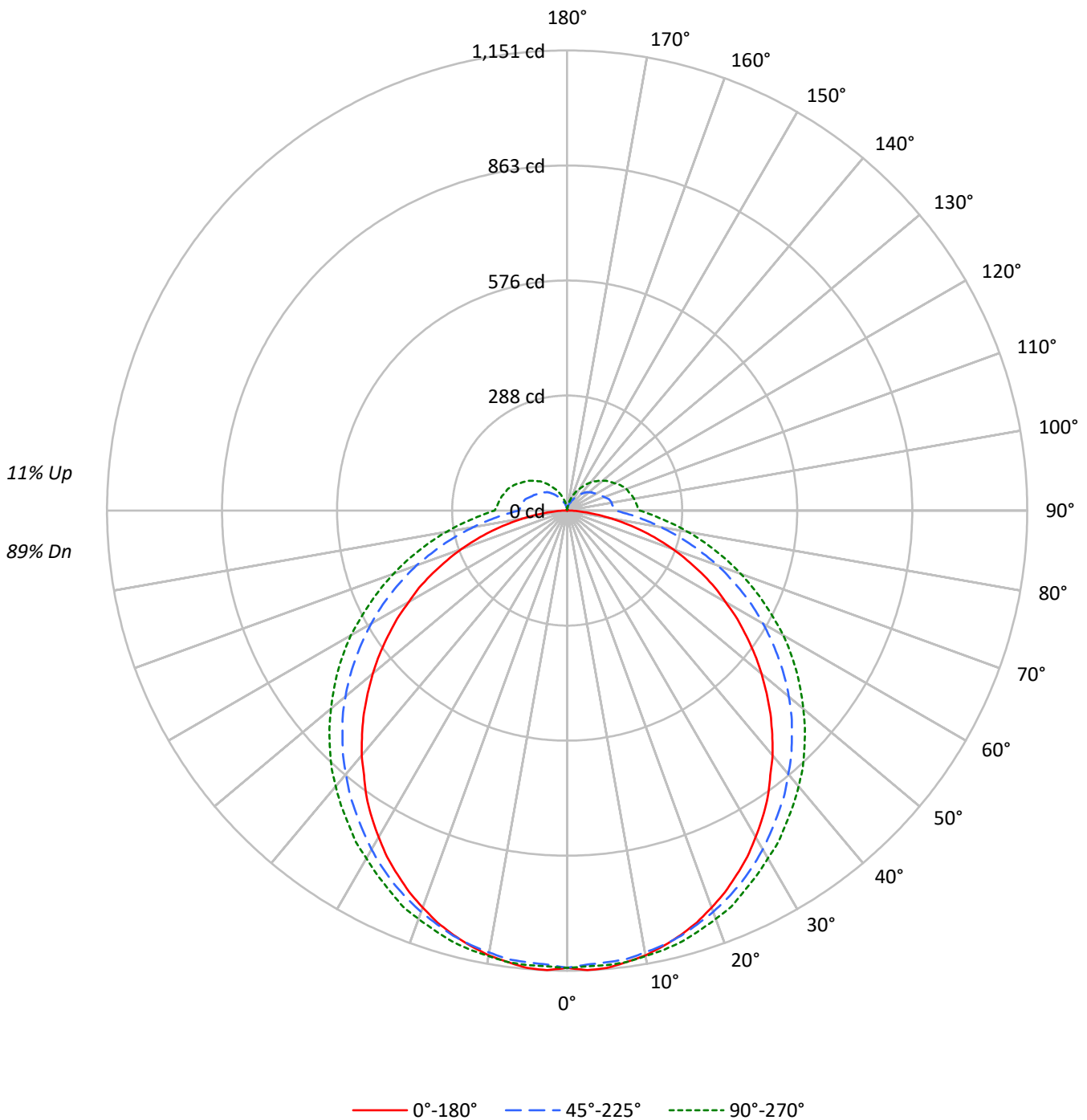
Test Method: LM-79-08  
Report Number: P566501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-48SL-LW-UNV-L950-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4071.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 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: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 32.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	12310	12310	12310
5°	12362	11740	11651
10°	12254	11271	11069
15°	12109	10818	10545
20°	11919	10348	10020
25°	11702	9898	9506
30°	11447	9434	9014
35°	11169	8969	8554
40°	10852	8514	8116
45°	10509	8059	7667
50°	10119	7591	7195
55°	9689	7067	6732
60°	9184	6523	6242
65°	8655	5936	5685
70°	7924	5309	5136
75°	6957	4580	4555
80°	5440	3843	3974
85°	3547	3161	3378



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.6	2.7
10°-20°	312.2	7.7
20°-30°	474.7	11.7
30°-40°	576.2	14.2
40°-50°	608.9	15.0
50°-60°	569.8	14.0
60°-70°	467.5	11.5
70°-80°	321.6	7.9
80°-90°	176.1	4.3
90°-100°	113.4	2.8
100°-110°	101.8	2.5
110°-120°	84.2	2.1
120°-130°	64.9	1.6
130°-140°	45.6	1.1
140°-150°	27.5	0.7
150°-160°	13.2	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	895.5	22.0
0°-40°	1471.8	36.2
0°-60°	2650.5	65.1
0°-90°	3615.7	88.8
90°-120°	299.4	7.4
90°-150°	437.3	10.7
90°-180°	455.0	11.2
0°-180°	4071.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1148	1146	1134	1144	1141	109
15°	1099	1104	1101	1115	1115	310
25°	1004	1016	1028	1049	1049	463
35°	875	896	922	948	955	546
45°	719	752	795	830	839	554
55°	547	592	646	686	700	490
65°	370	420	483	528	542	367
75°	193	245	316	366	382	204
85°	42	101	172	219	236	49
90°	0	57	120	165	182	3
95°	0	54	116	158	174	0
105°	0	45	108	148	163	2
115°	2	40	92	132	148	2
125°	2	33	78	113	127	2
135°	2	26	64	92	104	2
145°	2	19	45	71	78	2
155°	2	12	28	45	52	1
165°	2	7	14	21	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°	1143.6	1143.6	1143.6	1143.6	1143.6
2.5°	1150.6	1148.3	1136.5	1145.9	1141.2
5°	1148.3	1145.9	1134.1	1143.6	1141.2
7.5°	1138.8	1138.8	1131.8	1141.2	1138.8
10°	1129.4	1129.4	1122.3	1134.1	1131.8
12.5°	1115.3	1117.6	1112.9	1127.0	1124.7
15°	1098.8	1103.5	1101.1	1115.3	1115.3
17.5°	1079.9	1084.6	1084.6	1101.1	1101.1
20°	1056.3	1063.4	1068.1	1087.0	1087.0
22.5°	1032.7	1042.2	1049.2	1065.7	1072.8
25°	1004.4	1016.2	1028.0	1049.2	1049.2
27.5°	976.1	990.3	1004.4	1025.7	1028.0
30°	943.1	959.6	978.5	999.7	1004.4
32.5°	910.1	931.3	950.2	976.1	983.2
35°	874.8	896.0	921.9	947.9	954.9
37.5°	834.7	860.6	893.6	921.9	929.0
40°	799.3	827.6	860.6	893.6	900.7
42.5°	759.2	789.9	830.0	860.6	872.4
45°	719.1	752.2	794.6	830.0	839.4
47.5°	676.7	714.4	761.6	794.6	806.4
50°	634.3	674.3	723.9	761.6	771.0
52.5°	591.8	634.3	686.1	723.9	735.6
55°	547.0	591.8	646.0	686.1	700.3
57.5°	504.6	549.4	606.0	648.4	662.6
60°	457.4	509.3	565.9	608.3	624.8
62.5°	417.3	464.5	525.8	568.2	582.4
65°	370.2	419.7	483.4	528.2	542.3
67.5°	325.4	377.3	440.9	488.1	502.2
70°	280.6	332.5	400.8	445.6	462.1
72.5°	235.8	290.0	356.0	405.5	422.1
75°	193.3	245.2	316.0	365.5	382.0
77.5°	148.5	205.1	275.9	325.4	344.2
80°	108.5	167.4	238.1	287.7	306.5
82.5°	73.1	132.0	202.8	252.3	271.2
85°	42.4	101.4	172.1	219.3	235.8
87.5°	21.2	77.8	143.8	191.0	207.5
90°	0.0	56.6	120.2	165.0	181.6
92.5°	0.0	54.2	117.9	160.3	176.8
95°	0.0	54.2	115.5	158.0	174.5
97.5°	0.0	51.9	113.2	158.0	172.1
100°	0.0	49.5	113.2	155.6	169.8
102.5°	0.0	47.2	110.8	153.3	167.4
105°	0.0	44.8	108.5	148.5	162.7
107.5°	2.4	44.8	103.7	146.2	160.3
110°	2.4	42.4	99.0	143.8	158.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.1	94.3	139.1	153.3
115°	2.4	40.1	92.0	132.0	148.5
117.5°	2.4	37.7	87.2	127.3	143.8
120°	2.4	37.7	84.9	122.6	136.8
122.5°	2.4	35.4	80.2	117.9	132.0
125°	2.4	33.0	77.8	113.2	127.3
127.5°	2.4	30.7	75.5	108.5	122.6
130°	2.4	28.3	70.7	103.7	115.5
132.5°	2.4	28.3	68.4	96.7	110.8
135°	2.4	25.9	63.7	92.0	103.7
137.5°	2.4	23.6	58.9	87.2	99.0
140°	2.4	21.2	54.2	82.5	92.0
142.5°	2.4	21.2	49.5	75.5	84.9
145°	2.4	18.9	44.8	70.7	77.8
147.5°	2.4	16.5	40.1	63.7	70.7
150°	2.4	16.5	35.4	56.6	63.7
152.5°	2.4	14.1	30.7	51.9	58.9
155°	2.4	11.8	28.3	44.8	51.9
157.5°	2.4	11.8	23.6	37.7	44.8
160°	2.4	9.4	21.2	30.7	37.7
162.5°	2.4	9.4	18.9	25.9	33.0
165°	2.4	7.1	14.1	21.2	25.9
167.5°	2.4	7.1	11.8	16.5	21.2
170°	2.4	4.7	9.4	11.8	16.5
172.5°	2.4	4.7	7.1	7.1	7.1
175°	2.4	2.4	4.7	4.7	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)