

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: P566505

Luminaire Tested: **4SNX-48SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566505  
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-SLW-UNV-L850-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

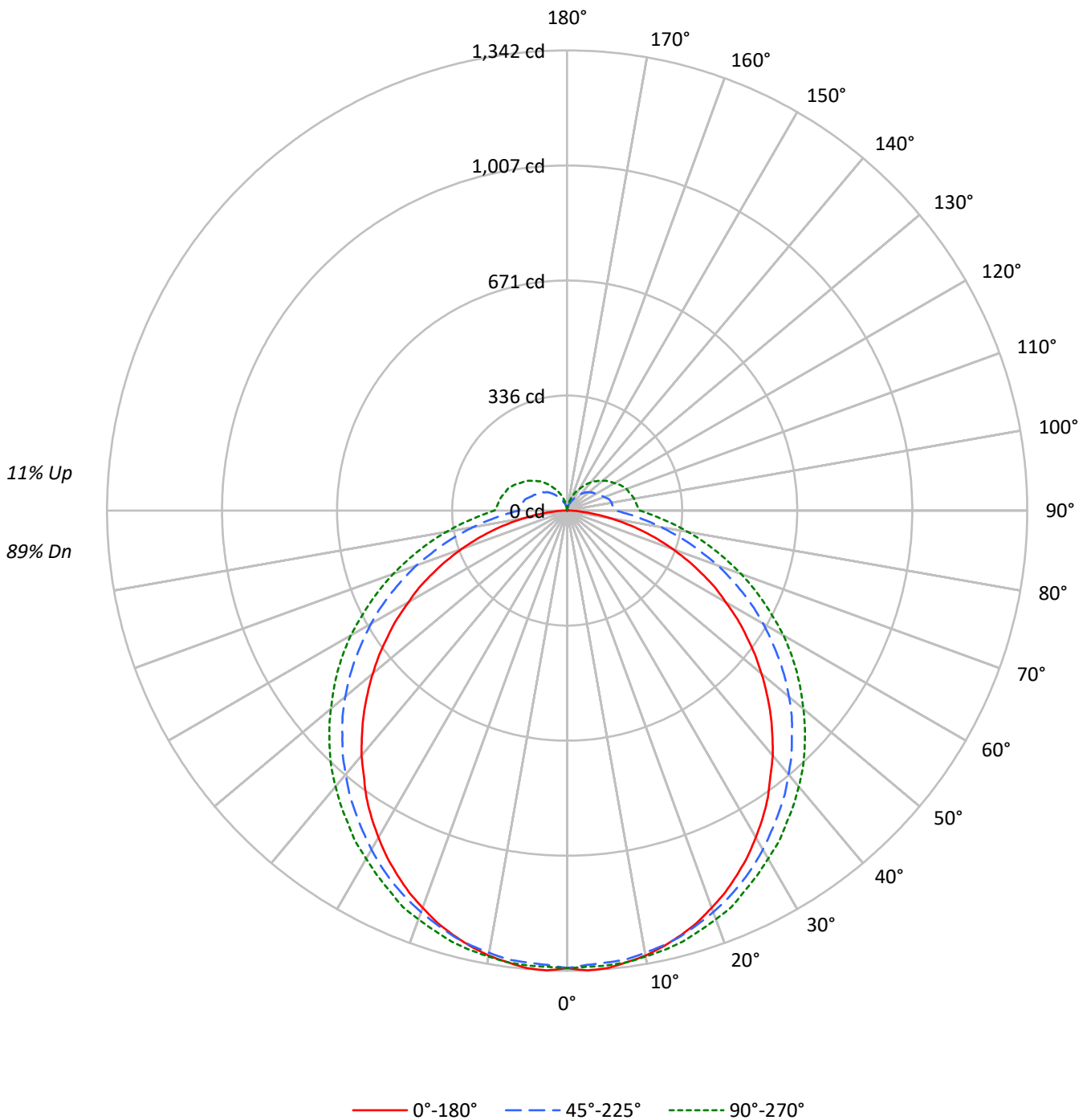
Lumens per Lamp: N/A  
Luminaire Lumens: 4750.1 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 32.1  
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	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°	14362	14362	14362
5°	14450	13993	13981
10°	14351	13710	13635
15°	14207	13420	13317
20°	14012	13088	12962
25°	13786	12762	12590
30°	13515	12404	12224
35°	13220	12033	11879
40°	12880	11668	11549
45°	12514	11295	11193
50°	12093	10903	10794
55°	11634	10430	10402
60°	11091	9926	9964
65°	10532	9359	9414
70°	9748	8734	8874
75°	8708	7939	8279
80°	7021	7134	7689
85°	4941	6440	7086



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	2.7
10°-20°	364.3	7.7
20°-30°	553.9	11.7
30°-40°	672.4	14.2
40°-50°	710.5	15.0
50°-60°	664.8	14.0
60°-70°	545.5	11.5
70°-80°	375.2	7.9
80°-90°	205.5	4.3
90°-100°	132.3	2.8
100°-110°	118.7	2.5
110°-120°	98.3	2.1
120°-130°	75.7	1.6
130°-140°	53.2	1.1
140°-150°	32.1	0.7
150°-160°	15.3	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1044.9	22.0
0°-40°	1717.3	36.2
0°-60°	3092.6	65.1
0°-90°	4218.8	88.8
90°-120°	349.3	7.4
90°-150°	510.3	10.7
90°-180°	531.0	11.2
0°-180°	4750.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1340	1337	1323	1334	1332	127
15°	1282	1288	1285	1301	1301	362
25°	1172	1186	1200	1224	1224	540
35°	1021	1045	1076	1106	1114	638
45°	839	878	927	968	979	647
55°	638	690	754	801	817	571
65°	432	490	564	616	633	428
75°	226	286	369	426	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	173	190	2
115°	3	47	107	154	173	3
125°	3	38	91	132	149	3
135°	3	30	74	107	121	2
145°	3	22	52	82	91	2
155°	3	14	33	52	60	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°	1334.3	1334.3	1334.3	1334.3	1334.3
2.5°	1342.5	1339.8	1326.0	1337.0	1331.5
5°	1339.8	1337.0	1323.3	1334.3	1331.5
7.5°	1328.8	1328.8	1320.5	1331.5	1328.8
10°	1317.8	1317.8	1309.5	1323.3	1320.5
12.5°	1301.3	1304.0	1298.5	1315.0	1312.3
15°	1282.0	1287.5	1284.8	1301.3	1301.3
17.5°	1260.0	1265.5	1265.5	1284.8	1284.8
20°	1232.5	1240.7	1246.3	1268.3	1268.3
22.5°	1205.0	1216.0	1224.2	1243.5	1251.8
25°	1172.0	1185.7	1199.5	1224.2	1224.2
27.5°	1139.0	1155.5	1172.0	1196.7	1199.5
30°	1100.4	1119.7	1141.7	1166.5	1172.0
32.5°	1061.9	1086.7	1108.7	1139.0	1147.2
35°	1020.7	1045.4	1075.7	1105.9	1114.2
37.5°	973.9	1004.2	1042.7	1075.7	1083.9
40°	932.6	965.6	1004.2	1042.7	1050.9
42.5°	885.9	921.6	968.4	1004.2	1017.9
45°	839.1	877.6	927.1	968.4	979.4
47.5°	789.6	833.6	888.6	927.1	940.9
50°	740.0	786.8	844.6	888.6	899.6
52.5°	690.5	740.0	800.6	844.6	858.3
55°	638.3	690.5	753.8	800.6	817.1
57.5°	588.7	641.0	707.0	756.6	773.1
60°	533.7	594.2	660.3	709.8	729.0
62.5°	486.9	542.0	613.5	663.0	679.5
65°	431.9	489.7	564.0	616.2	632.8
67.5°	379.7	440.2	514.5	569.5	586.0
70°	327.4	387.9	467.7	520.0	539.2
72.5°	275.1	338.4	415.4	473.2	492.4
75°	225.6	286.1	368.6	426.4	445.7
77.5°	173.3	239.3	321.9	379.7	401.7
80°	126.6	195.3	277.9	335.6	357.6
82.5°	85.3	154.1	236.6	294.4	316.4
85°	49.5	118.3	200.8	255.9	275.1
87.5°	24.8	90.8	167.8	222.8	242.1
90°	0.0	66.0	140.3	192.6	211.8
92.5°	0.0	63.3	137.6	187.1	206.3
95°	0.0	63.3	134.8	184.3	203.6
97.5°	0.0	60.5	132.1	184.3	200.8
100°	0.0	57.8	132.1	181.6	198.1
102.5°	0.0	55.0	129.3	178.8	195.3
105°	0.0	52.3	126.6	173.3	189.8
107.5°	2.8	52.3	121.0	170.6	187.1
110°	2.8	49.5	115.5	167.8	184.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	46.8	110.0	162.3	178.8
115°	2.8	46.8	107.3	154.1	173.3
117.5°	2.8	44.0	101.8	148.6	167.8
120°	2.8	44.0	99.0	143.1	159.6
122.5°	2.8	41.3	93.5	137.6	154.1
125°	2.8	38.5	90.8	132.1	148.6
127.5°	2.8	35.8	88.0	126.6	143.1
130°	2.8	33.0	82.5	121.0	134.8
132.5°	2.8	33.0	79.8	112.8	129.3
135°	2.8	30.3	74.3	107.3	121.0
137.5°	2.8	27.5	68.8	101.8	115.5
140°	2.8	24.8	63.3	96.3	107.3
142.5°	2.8	24.8	57.8	88.0	99.0
145°	2.8	22.0	52.3	82.5	90.8
147.5°	2.8	19.3	46.8	74.3	82.5
150°	2.8	19.3	41.3	66.0	74.3
152.5°	2.8	16.5	35.8	60.5	68.8
155°	2.8	13.8	33.0	52.3	60.5
157.5°	2.8	13.8	27.5	44.0	52.3
160°	2.8	11.0	24.8	35.8	44.0
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)