

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: P566473

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-FDL-UNV-L850-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

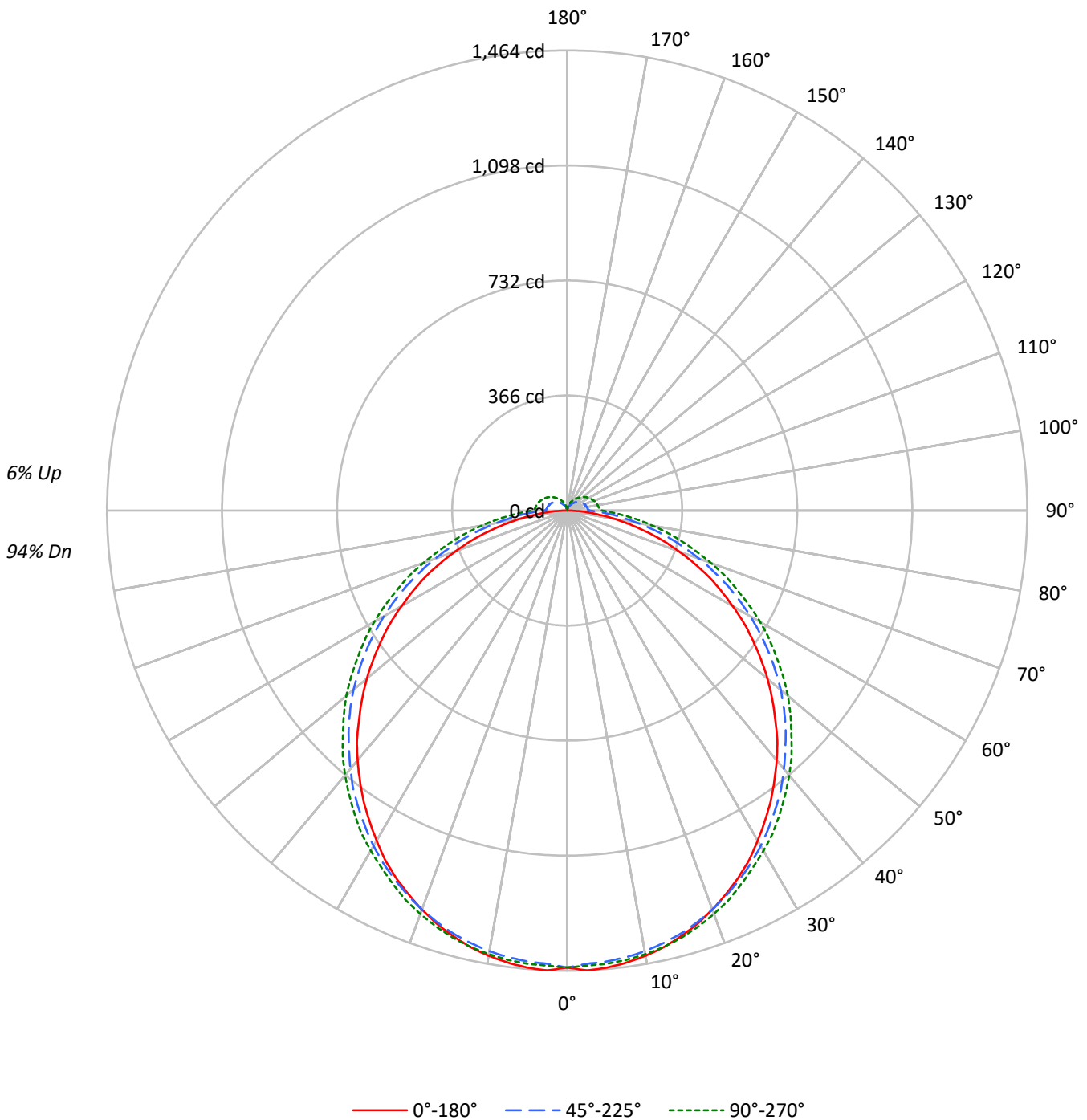
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4620.0 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 32.1
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P566473
CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566473

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15649	15649	15649
5°	15757	15390	15413
10°	15692	15224	15220
15°	15574	15031	15002
20°	15413	14797	14747
25°	15230	14542	14444
30°	14980	14281	14165
35°	14728	13975	13872
40°	14451	13638	13545
45°	14100	13304	13163
50°	13762	12923	12813
55°	13343	12451	12327
60°	12872	11911	11849
65°	12372	11268	11190
70°	11513	10460	10508
75°	10480	9506	9692
80°	8955	8242	8786
85°	7041	7147	7720



TEST NUMBER: P566473

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	3.0
10°-20°	395.6	8.6
20°-30°	599.6	13.0
30°-40°	723.8	15.7
40°-50°	755.8	16.4
50°-60°	694.4	15.0
60°-70°	549.1	11.9
70°-80°	347.5	7.5
80°-90°	149.4	3.2
90°-100°	65.7	1.4
100°-110°	58.8	1.3
110°-120°	49.7	1.1
120°-130°	38.7	0.8
130°-140°	26.8	0.6
140°-150°	16.1	0.3
150°-160°	7.9	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1133.1	24.5
0°-40°	1856.9	40.2
0°-60°	3307.1	71.6
0°-90°	4353.1	94.2
90°-120°	174.3	3.8
90°-150°	255.9	5.5
90°-180°	267.0	5.8
0°-180°	4620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1460	1456	1440	1452	1447	139
15°	1402	1402	1394	1409	1406	395
25°	1289	1294	1296	1313	1311	593
35°	1129	1142	1157	1175	1179	706
45°	936	959	983	1002	1009	723
55°	722	751	782	808	813	646
65°	497	524	561	587	596	489
75°	262	293	335	364	378	278
85°	64	98	141	171	182	71
90°	4	35	72	101	111	5
95°	1	30	66	92	101	1
105°	1	28	61	86	95	1
115°	1	24	56	78	86	1
125°	2	21	47	67	74	1
135°	2	16	38	53	60	1
145°	2	12	26	40	44	1
155°	2	8	17	25	30	1
165°	2	6	9	12	17	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1453.8	1453.8	1453.8	1453.8	1453.8
2.5°	1464.5	1459.6	1443.2	1454.6	1448.9
5°	1459.6	1455.5	1439.9	1452.2	1447.3
7.5°	1450.6	1447.3	1433.4	1446.5	1441.6
10°	1438.3	1435.8	1423.6	1436.6	1433.4
12.5°	1422.7	1421.9	1409.6	1424.4	1421.9
15°	1401.5	1401.5	1394.1	1408.8	1406.4
17.5°	1378.6	1379.4	1373.6	1389.2	1387.6
20°	1350.7	1354.8	1350.7	1367.1	1365.5
22.5°	1320.5	1326.2	1324.6	1340.9	1341.7
25°	1288.6	1294.3	1295.9	1313.1	1310.7
27.5°	1253.4	1262.4	1265.7	1281.2	1280.4
30°	1212.5	1224.7	1232.1	1245.2	1249.3
32.5°	1170.8	1185.5	1194.5	1212.5	1217.4
35°	1129.0	1142.1	1156.8	1174.8	1178.9
37.5°	1083.2	1097.9	1117.6	1134.8	1139.7
40°	1037.4	1053.8	1072.6	1091.4	1098.8
42.5°	989.9	1007.1	1027.6	1049.7	1057.0
45°	935.9	958.9	983.4	1002.2	1008.8
47.5°	884.4	909.8	935.9	956.4	963.8
50°	832.0	859.0	886.9	905.7	917.1
52.5°	777.2	806.7	834.5	858.2	865.6
55°	721.6	751.0	782.1	807.5	813.2
57.5°	667.6	696.2	727.3	751.0	762.5
60°	608.7	639.8	673.3	697.1	709.3
62.5°	551.4	581.7	617.7	643.1	652.9
65°	496.6	524.4	561.2	587.4	596.4
67.5°	436.1	468.0	503.2	533.4	544.9
70°	376.3	406.6	446.7	475.3	486.8
72.5°	320.7	350.2	390.3	418.9	429.5
75°	261.8	292.9	335.4	364.1	378.0
77.5°	205.4	239.7	280.6	311.7	327.3
80°	153.0	183.3	227.4	261.8	275.7
82.5°	103.9	136.6	182.4	214.4	229.9
85°	63.8	98.2	140.7	171.0	181.6
87.5°	30.3	63.0	102.3	131.7	144.8
90°	4.1	35.2	72.0	100.6	111.3
92.5°	0.8	30.3	66.3	93.3	103.1
95°	0.8	30.3	65.5	91.6	101.4
97.5°	0.8	29.5	64.6	90.8	99.8
100°	0.8	28.6	63.8	89.2	99.0
102.5°	0.8	28.6	62.2	87.5	96.5
105°	0.8	27.8	61.4	85.9	94.9
107.5°	0.8	27.0	59.7	84.3	93.3
110°	0.8	25.4	58.9	81.8	90.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.5	57.3	80.2	88.4
115°	0.8	23.7	55.6	77.7	85.9
117.5°	0.8	22.9	53.2	75.3	83.4
120°	1.6	22.9	51.5	72.8	80.2
122.5°	1.6	22.1	49.1	69.5	76.9
125°	1.6	21.3	46.6	67.1	74.5
127.5°	1.6	20.5	44.2	63.8	70.4
130°	1.6	18.8	42.5	60.5	67.1
132.5°	1.6	18.0	40.1	56.5	63.0
135°	1.6	16.4	37.6	53.2	59.7
137.5°	1.6	15.5	35.2	49.9	55.6
140°	1.6	14.7	31.9	46.6	52.4
142.5°	1.6	13.1	29.5	43.4	48.3
145°	1.6	12.3	26.2	40.1	44.2
147.5°	1.6	10.6	23.7	36.8	40.9
150°	1.6	9.8	21.3	33.5	37.6
152.5°	1.6	9.0	18.8	29.5	33.5
155°	1.6	8.2	17.2	25.4	30.3
157.5°	1.6	7.4	14.7	22.1	27.0
160°	2.5	6.5	13.1	18.8	22.9
162.5°	2.5	5.7	10.6	15.5	20.5
165°	2.5	5.7	9.0	12.3	17.2
167.5°	2.5	4.9	7.4	9.8	13.9
170°	2.5	4.1	6.5	7.4	10.6
172.5°	2.5	3.3	4.9	4.9	5.7
175°	2.5	3.3	4.1	4.1	2.5
177.5°	2.5	2.5	2.5	2.5	1.6
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)