

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: P566496

Luminaire Tested: **4SNX-48SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566496
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-L840-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

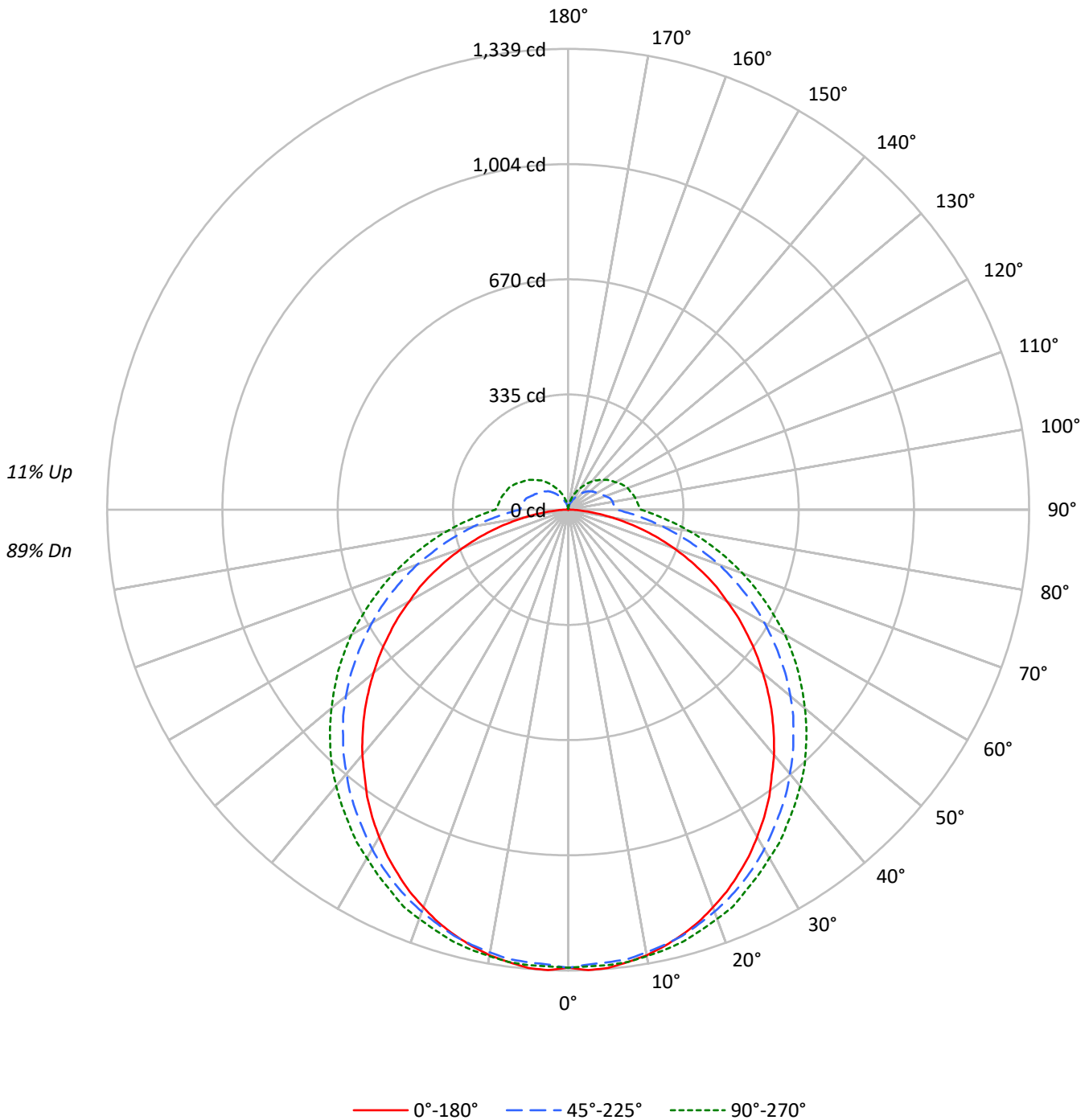
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4738.0 lumens
Efficiency: N/A
Efficacy: 147.6 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_{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

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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°	14326	14326	14326
5°	14387	13663	13560
10°	14263	13118	12883
15°	14093	12591	12272
20°	13872	12044	11662
25°	13619	11520	11063
30°	13323	10979	10491
35°	12999	10439	9956
40°	12630	9909	9446
45°	12232	9380	8922
50°	11777	8835	8373
55°	11276	8226	7835
60°	10690	7592	7265
65°	10072	6909	6617
70°	9223	6179	5978
75°	8098	5330	5301
80°	6328	4474	4625
85°	4133	3678	3931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	2.7
10°-20°	363.4	7.7
20°-30°	552.5	11.7
30°-40°	670.7	14.2
40°-50°	708.7	15.0
50°-60°	663.2	14.0
60°-70°	544.1	11.5
70°-80°	374.3	7.9
80°-90°	205.0	4.3
90°-100°	132.0	2.8
100°-110°	118.4	2.5
110°-120°	98.0	2.1
120°-130°	75.5	1.6
130°-140°	53.0	1.1
140°-150°	32.0	0.7
150°-160°	15.3	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1042.3	22.0
0°-40°	1712.9	36.2
0°-60°	3084.8	65.1
0°-90°	4208.1	88.8
90°-120°	348.4	7.4
90°-150°	508.9	10.7
90°-180°	530.0	11.2
0°-180°	4738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1336	1334	1320	1331	1328	127
15°	1279	1284	1282	1298	1298	361
25°	1169	1183	1196	1221	1221	539
35°	1018	1043	1073	1103	1111	636
45°	837	875	925	966	977	645
55°	637	689	752	798	815	570
65°	431	488	563	615	631	427
75°	225	285	368	425	445	237
85°	49	118	200	255	274	57
90°	0	66	140	192	211	3
95°	0	63	134	184	203	0
105°	0	52	126	173	189	2
115°	3	47	107	154	173	3
125°	3	38	91	132	148	2
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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CATALOG NUMBER: 4SNX-48SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1330.9	1330.9	1330.9	1330.9	1330.9
2.5°	1339.1	1336.4	1322.7	1333.7	1328.2
5°	1336.4	1333.7	1319.9	1330.9	1328.2
7.5°	1325.4	1325.4	1317.2	1328.2	1325.4
10°	1314.5	1314.5	1306.2	1319.9	1317.2
12.5°	1298.0	1300.7	1295.2	1311.7	1309.0
15°	1278.8	1284.3	1281.5	1298.0	1298.0
17.5°	1256.8	1262.3	1262.3	1281.5	1281.5
20°	1229.4	1237.6	1243.1	1265.1	1265.1
22.5°	1201.9	1212.9	1221.1	1240.4	1248.6
25°	1169.0	1182.7	1196.5	1221.1	1221.1
27.5°	1136.1	1152.5	1169.0	1193.7	1196.5
30°	1097.7	1116.9	1138.8	1163.5	1169.0
32.5°	1059.2	1083.9	1105.9	1136.1	1144.3
35°	1018.1	1042.8	1073.0	1103.2	1111.4
37.5°	971.4	1001.6	1040.0	1073.0	1081.2
40°	930.3	963.2	1001.6	1040.0	1048.3
42.5°	883.6	919.3	965.9	1001.6	1015.3
45°	837.0	875.4	924.8	965.9	976.9
47.5°	787.6	831.5	886.4	924.8	938.5
50°	738.2	784.8	842.5	886.4	897.3
52.5°	688.8	738.2	798.5	842.5	856.2
55°	636.6	688.8	751.9	798.5	815.0
57.5°	587.2	639.4	705.2	754.6	771.1
60°	532.4	592.7	658.6	708.0	727.2
62.5°	485.7	540.6	611.9	661.3	677.8
65°	430.8	488.5	562.6	614.7	631.2
67.5°	378.7	439.1	513.2	568.0	584.5
70°	326.6	386.9	466.5	518.6	537.9
72.5°	274.4	337.5	414.4	472.0	491.2
75°	225.0	285.4	367.7	425.3	444.6
77.5°	172.9	238.7	321.1	378.7	400.6
80°	126.2	194.8	277.2	334.8	356.7
82.5°	85.1	153.7	236.0	293.6	315.6
85°	49.4	118.0	200.3	255.2	274.4
87.5°	24.7	90.6	167.4	222.3	241.5
90°	0.0	65.9	140.0	192.1	211.3
92.5°	0.0	63.1	137.2	186.6	205.8
95°	0.0	63.1	134.5	183.9	203.1
97.5°	0.0	60.4	131.7	183.9	200.3
100°	0.0	57.6	131.7	181.1	197.6
102.5°	0.0	54.9	129.0	178.4	194.8
105°	0.0	52.1	126.2	172.9	189.3
107.5°	2.7	52.1	120.7	170.1	186.6
110°	2.7	49.4	115.3	167.4	183.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	46.7	109.8	161.9	178.4
115°	2.7	46.7	107.0	153.7	172.9
117.5°	2.7	43.9	101.5	148.2	167.4
120°	2.7	43.9	98.8	142.7	159.2
122.5°	2.7	41.2	93.3	137.2	153.7
125°	2.7	38.4	90.6	131.7	148.2
127.5°	2.7	35.7	87.8	126.2	142.7
130°	2.7	32.9	82.3	120.7	134.5
132.5°	2.7	32.9	79.6	112.5	129.0
135°	2.7	30.2	74.1	107.0	120.7
137.5°	2.7	27.4	68.6	101.5	115.3
140°	2.7	24.7	63.1	96.0	107.0
142.5°	2.7	24.7	57.6	87.8	98.8
145°	2.7	22.0	52.1	82.3	90.6
147.5°	2.7	19.2	46.7	74.1	82.3
150°	2.7	19.2	41.2	65.9	74.1
152.5°	2.7	16.5	35.7	60.4	68.6
155°	2.7	13.7	32.9	52.1	60.4
157.5°	2.7	13.7	27.4	43.9	52.1
160°	2.7	11.0	24.7	35.7	43.9
162.5°	2.7	11.0	22.0	30.2	38.4
165°	2.7	8.2	16.5	24.7	30.2
167.5°	2.7	8.2	13.7	19.2	24.7
170°	2.7	5.5	11.0	13.7	19.2
172.5°	2.7	5.5	8.2	8.2	8.2
175°	2.7	2.7	5.5	5.5	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)