

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: P565807

Luminaire Tested: **2SNX-47HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-47HL-LN-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

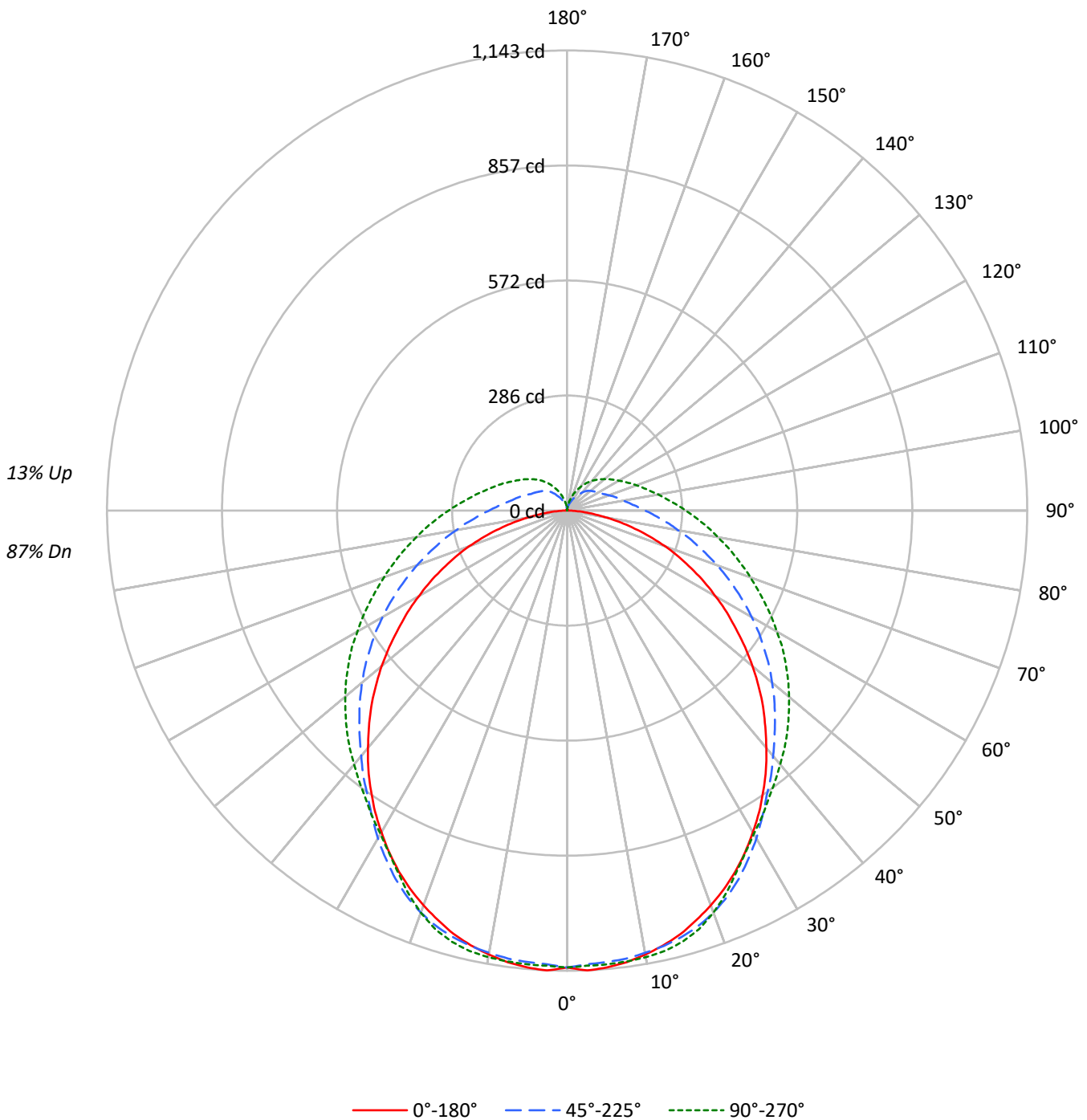
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 33.7
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24432	24432	24432
5°	24438	23252	23104
10°	24122	22299	22037
15°	23743	21401	20963
20°	23198	20407	19592
25°	22616	19219	17986
30°	21877	17899	16644
35°	21094	16560	15643
40°	20214	15481	14833
45°	19343	14523	14135
50°	18325	13640	13430
55°	17146	12756	12740
60°	15994	11878	12019
65°	14706	10992	11359
70°	13234	10160	10761
75°	11058	9347	10268
80°	8301	8637	9851
85°	5010	8115	9613



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	2.6
10°-20°	310.0	7.6
20°-30°	461.6	11.3
30°-40°	544.7	13.3
40°-50°	568.0	13.9
50°-60°	533.8	13.0
60°-70°	450.8	11.0
70°-80°	340.6	8.3
80°-90°	234.8	5.7
90°-100°	164.3	4.0
100°-110°	122.6	3.0
110°-120°	92.4	2.3
120°-130°	68.9	1.7
130°-140°	48.4	1.2
140°-150°	29.3	0.7
150°-160°	14.0	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	879.4	21.5
0°-40°	1424.1	34.8
0°-60°	2525.9	61.7
0°-90°	3552.1	86.7
90°-120°	379.4	9.3
90°-150°	525.9	12.8
90°-180°	545.0	13.3
0°-180°	4097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1135	1135	1135	1135	1135	
5°	1139	1137	1126	1134	1132	108
15°	1089	1094	1097	1111	1109	307
25°	989	1009	1009	1000	993	455
35°	850	881	864	871	873	531
45°	688	722	730	760	774	530
55°	511	555	597	645	663	459
65°	340	394	461	522	542	338
75°	174	242	335	405	431	186
85°	40	124	232	308	336	44
90°	1	88	194	268	294	3
95°	1	69	164	235	259	1
105°	1	49	126	183	204	1
115°	1	42	98	146	165	1
125°	2	36	83	120	135	2
135°	2	28	69	97	109	2
145°	3	20	48	74	83	2
155°	3	13	29	47	55	1
165°	4	8	15	21	28	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1134.9	1134.9	1134.9	1134.9	1134.9
2.5°	1143.3	1140.5	1128.0	1134.9	1131.5
5°	1139.1	1137.0	1125.9	1134.3	1131.5
7.5°	1131.5	1130.8	1122.4	1132.2	1129.4
10°	1119.7	1121.7	1115.5	1128.7	1126.6
12.5°	1105.8	1109.9	1107.9	1122.4	1120.4
15°	1089.1	1094.0	1096.7	1110.6	1108.6
17.5°	1066.9	1075.9	1082.2	1093.3	1089.8
20°	1043.3	1055.8	1062.7	1068.3	1062.7
22.5°	1017.6	1034.2	1038.4	1035.6	1030.1
25°	989.1	1009.2	1009.2	1000.2	992.6
27.5°	957.1	982.1	975.2	964.8	958.5
30°	922.4	952.3	940.5	928.7	927.3
32.5°	887.7	918.9	901.6	898.8	900.9
35°	849.5	880.7	864.1	871.0	873.1
37.5°	811.3	842.5	831.4	841.8	848.1
40°	769.6	802.9	796.0	814.7	823.1
42.5°	728.6	763.3	762.6	787.0	799.5
45°	688.3	722.4	730.0	759.9	773.8
47.5°	644.6	679.3	698.1	732.8	746.7
50°	601.5	639.0	664.7	703.6	719.6
52.5°	557.1	596.6	632.1	675.1	691.8
55°	511.2	555.0	597.3	645.3	662.6
57.5°	470.2	514.7	564.7	614.0	634.2
60°	425.1	474.4	529.3	581.4	601.5
62.5°	384.1	434.8	495.9	550.8	572.3
65°	340.3	394.5	461.2	521.6	541.8
67.5°	300.1	355.6	428.6	489.7	511.9
70°	258.4	317.4	396.6	461.2	484.1
72.5°	215.3	277.8	364.7	433.4	457.0
75°	174.3	241.7	334.8	404.9	430.6
77.5°	136.1	207.0	307.7	379.9	404.9
80°	98.6	175.7	279.2	354.2	379.9
82.5°	65.3	148.6	256.3	331.3	358.4
85°	39.6	124.3	232.0	308.4	335.5
87.5°	18.1	104.2	212.5	288.3	314.6
90°	0.7	88.2	193.8	268.1	294.5
92.5°	0.7	77.1	178.5	250.7	276.4
95°	0.7	68.8	163.9	234.8	259.1
97.5°	0.7	63.2	152.8	219.5	243.1
100°	0.7	57.7	141.7	205.6	229.9
102.5°	1.4	52.8	133.4	193.1	216.0
105°	1.4	49.3	126.4	183.4	204.2
107.5°	1.4	47.2	118.8	173.6	193.1
110°	1.4	45.1	110.4	163.9	183.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	43.8	104.2	155.6	174.3
115°	1.4	42.4	97.9	145.9	164.6
117.5°	1.4	41.7	94.5	138.2	156.3
120°	2.1	39.6	90.3	131.3	148.6
122.5°	2.1	37.5	86.1	125.7	141.0
125°	2.1	36.1	82.7	119.5	134.7
127.5°	2.1	34.0	79.2	113.9	127.8
130°	2.1	32.0	76.4	108.4	121.6
132.5°	2.1	29.9	72.9	102.8	115.3
135°	2.1	27.8	68.8	97.2	109.0
137.5°	2.1	25.7	64.6	91.7	102.8
140°	2.1	23.6	59.0	86.1	96.5
142.5°	2.1	21.5	53.5	80.6	89.6
145°	2.8	20.1	47.9	74.3	83.3
147.5°	2.8	18.1	42.4	68.1	75.7
150°	2.8	16.7	38.2	61.8	68.8
152.5°	2.8	14.6	34.0	54.9	61.8
155°	2.8	13.2	29.2	47.2	54.9
157.5°	2.8	11.8	25.0	39.6	47.9
160°	2.8	11.1	21.5	32.6	41.0
162.5°	3.5	9.7	18.1	26.4	34.0
165°	3.5	8.3	15.3	20.8	27.8
167.5°	3.5	6.9	12.5	16.0	21.5
170°	3.5	5.6	9.7	11.1	16.7
172.5°	3.5	4.2	6.9	7.6	8.3
175°	3.5	3.5	4.2	4.2	2.1
177.5°	3.5	3.5	2.8	2.1	0.7
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)