

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: P565815

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-47HL-LW-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

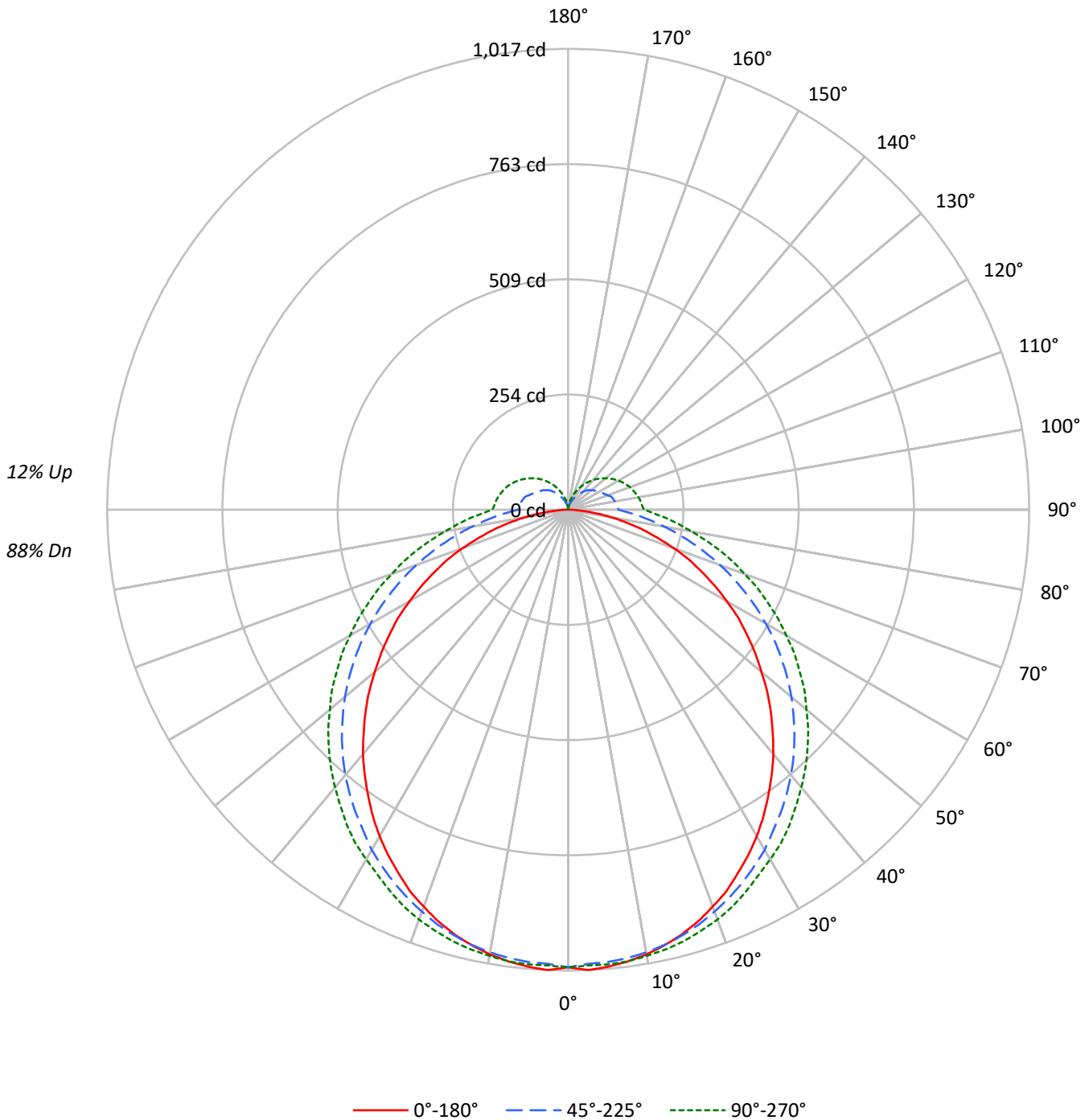
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3636.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
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 (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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21741	21741	21741
5°	21720	20689	20570
10°	21462	19829	19561
15°	21149	18980	18639
20°	20725	18125	17746
25°	20245	17299	16834
30°	19730	16494	15993
35°	19110	15655	15238
40°	18496	14870	14419
45°	17778	14047	13638
50°	16960	13199	12807
55°	16143	12274	11984
60°	15204	11304	11098
65°	14071	10255	10183
70°	12661	9125	9189
75°	10748	7893	8241
80°	8174	6663	7152
85°	4731	5488	6244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	2.6
10°-20°	275.8	7.6
20°-30°	419.6	11.5
30°-40°	510.2	14.0
40°-50°	539.7	14.8
50°-60°	505.9	13.9
60°-70°	416.2	11.4
70°-80°	288.0	7.9
80°-90°	160.1	4.4
90°-100°	105.5	2.9
100°-110°	94.6	2.6
110°-120°	78.3	2.2
120°-130°	60.5	1.7
130°-140°	42.8	1.2
140°-150°	25.8	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	791.2	21.8
0°-40°	1301.4	35.8
0°-60°	2347.1	64.6
0°-90°	3211.4	88.3
90°-120°	278.4	7.7
90°-150°	407.6	11.2
90°-180°	425.0	11.7
0°-180°	3636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1012	1011	1002	1010	1007	96
15°	970	973	973	986	986	273
25°	885	898	908	928	929	408
35°	770	790	817	843	850	482
45°	633	666	706	738	747	488
55°	481	524	575	611	623	431
65°	326	372	430	473	486	323
75°	169	219	283	328	346	180
85°	37	93	157	200	218	43
90°	1	52	111	152	168	2
95°	1	50	108	148	162	0
105°	1	43	101	139	151	1
115°	1	37	85	123	137	1
125°	1	32	73	105	118	1
135°	1	25	61	86	97	1
145°	1	18	42	65	74	1
155°	2	12	26	42	49	1
165°	2	8	14	19	25	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1016.8	1013.7	1003.1	1009.9	1006.8
5°	1012.4	1010.6	1001.8	1009.9	1007.4
7.5°	1005.6	1005.0	998.1	1007.4	1005.0
10°	996.2	997.5	991.9	1001.8	1000.0
12.5°	984.4	986.3	983.8	995.0	993.8
15°	970.1	973.2	972.6	985.7	985.7
17.5°	952.7	957.0	959.5	974.4	974.4
20°	932.1	939.0	943.9	960.1	962.6
22.5°	911.6	919.7	927.1	943.9	947.7
25°	885.4	897.9	908.4	928.4	929.0
27.5°	859.9	873.6	887.9	907.2	909.1
30°	831.9	849.3	866.7	885.4	891.0
32.5°	802.0	821.3	840.6	865.5	873.0
35°	769.6	790.1	816.9	843.1	850.5
37.5°	737.2	760.3	791.4	818.2	825.0
40°	704.2	729.7	764.6	792.0	800.1
42.5°	667.5	698.6	736.0	765.2	774.6
45°	632.6	665.6	706.1	737.8	746.6
47.5°	595.9	630.7	674.3	708.0	717.9
50°	556.7	596.5	643.2	676.8	686.2
52.5°	519.9	560.4	609.6	644.4	657.5
55°	481.3	524.3	574.7	610.8	623.3
57.5°	445.2	486.3	540.5	576.6	592.1
60°	404.1	449.6	503.7	543.0	555.4
62.5°	365.5	411.6	467.6	508.1	522.4
65°	325.6	372.3	430.3	472.6	485.7
67.5°	288.3	334.4	393.5	435.2	452.0
70°	247.2	295.8	356.2	399.1	413.4
72.5°	206.7	257.2	318.8	364.9	381.1
75°	169.4	218.6	282.7	327.5	345.6
77.5°	133.2	183.1	247.8	293.9	309.5
80°	97.1	149.4	215.4	260.9	275.8
82.5°	64.1	118.9	184.3	229.8	245.9
85°	37.4	92.8	156.9	200.5	217.9
87.5°	16.2	70.4	131.4	174.3	188.7
90°	0.6	52.3	110.8	152.5	167.5
92.5°	0.6	51.1	108.3	149.4	163.8
95°	0.6	49.8	107.7	147.6	161.9
97.5°	0.6	49.2	106.5	146.3	160.0
100°	0.6	47.3	104.6	143.8	157.5
102.5°	0.6	44.8	102.7	141.3	154.4
105°	0.6	43.0	100.9	138.9	151.3
107.5°	0.6	41.1	97.8	135.7	148.2
110°	0.6	39.2	92.8	132.6	145.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	38.6	89.0	128.3	141.3
115°	1.2	37.4	85.3	123.3	137.0
117.5°	1.2	36.7	82.2	118.3	132.6
120°	1.2	34.9	79.1	113.9	127.6
122.5°	1.2	33.0	76.0	109.6	123.3
125°	1.2	31.8	72.9	105.2	118.3
127.5°	1.2	29.9	70.4	100.9	112.7
130°	1.2	28.6	67.2	95.9	107.7
132.5°	1.2	26.8	64.1	90.9	102.1
135°	1.2	24.9	61.0	86.5	97.1
137.5°	1.2	22.4	57.3	81.6	91.5
140°	1.2	20.5	52.3	76.6	85.9
142.5°	1.2	19.3	47.3	71.0	79.7
145°	1.2	18.1	42.3	65.4	73.5
147.5°	1.2	16.8	38.0	59.8	67.2
150°	1.2	14.9	33.6	54.8	61.0
152.5°	1.9	13.7	29.9	48.6	54.8
155°	1.9	12.5	26.2	41.7	48.6
157.5°	1.9	11.2	22.4	34.9	42.3
160°	1.9	10.0	19.3	28.6	36.1
162.5°	1.9	9.3	16.8	23.7	30.5
165°	1.9	8.1	14.3	19.3	24.9
167.5°	1.9	6.2	11.8	14.9	20.5
170°	1.9	5.0	9.3	10.6	15.6
172.5°	1.9	3.7	6.8	7.5	8.1
175°	1.9	3.1	4.4	4.4	2.5
177.5°	1.9	2.5	2.5	2.5	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)