

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: P565811

Luminaire Tested: **2SNX-47HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565811
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-L835-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

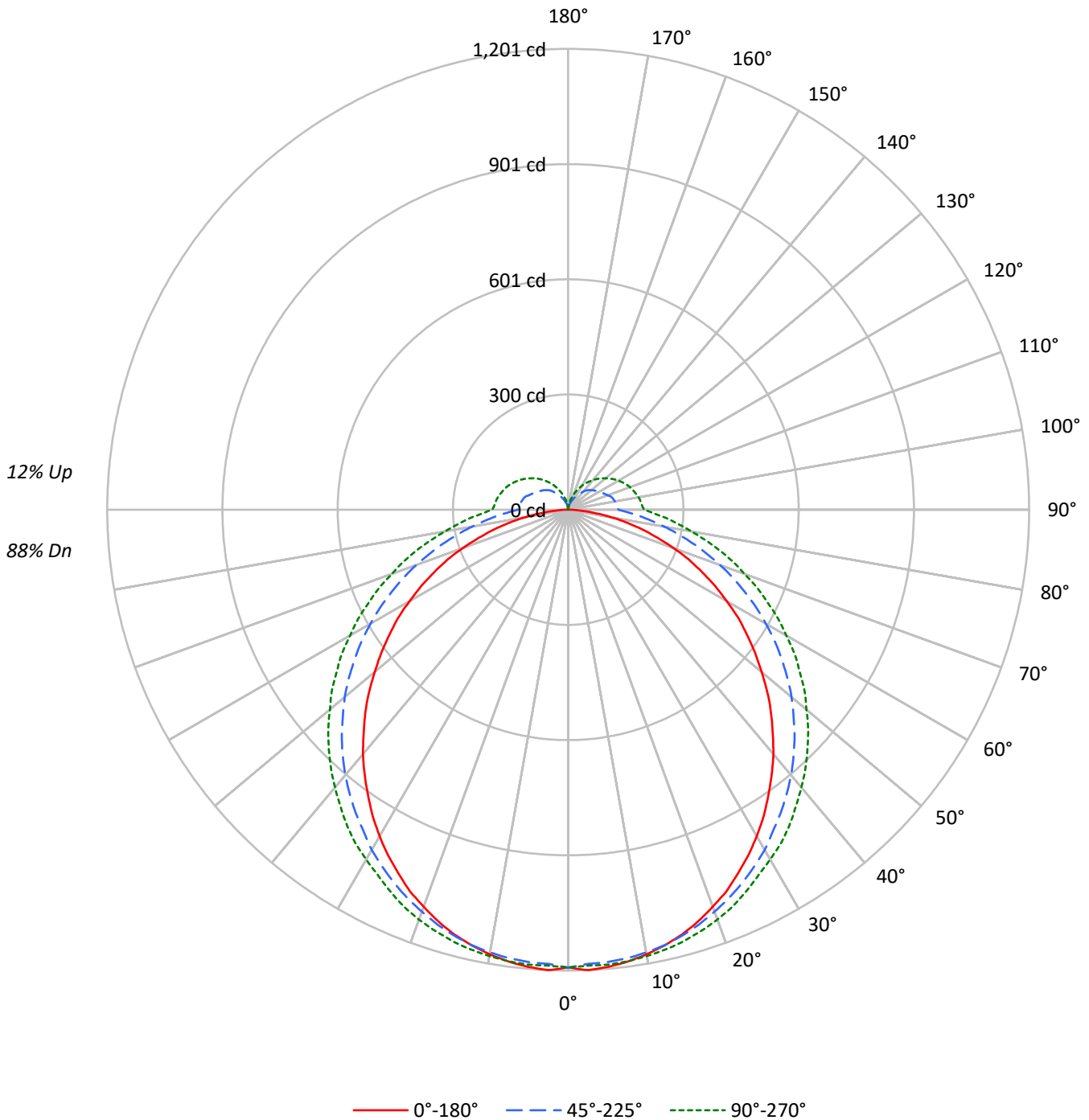
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4295.0 lumens
Efficiency: N/A
Efficacy: 127.4 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°	25683	25683	25683
5°	25656	24439	24299
10°	25352	23423	23105
15°	24981	22420	22016
20°	24481	21411	20963
25°	23914	20436	19885
30°	23304	19484	18892
35°	22574	18493	18001
40°	21851	17565	17032
45°	21001	16594	16110
50°	20031	15592	15126
55°	19068	14499	14155
60°	17958	13353	13110
65°	16625	12112	12028
70°	14955	10777	10856
75°	12695	9322	9734
80°	9656	7873	8448
85°	5579	6481	7376



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	2.6
10°-20°	325.8	7.6
20°-30°	495.6	11.5
30°-40°	602.6	14.0
40°-50°	637.6	14.8
50°-60°	597.6	13.9
60°-70°	491.6	11.4
70°-80°	340.2	7.9
80°-90°	189.2	4.4
90°-100°	124.6	2.9
100°-110°	111.7	2.6
110°-120°	92.5	2.2
120°-130°	71.5	1.7
130°-140°	50.6	1.2
140°-150°	30.5	0.7
150°-160°	14.7	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	934.7	21.8
0°-40°	1537.3	35.8
0°-60°	2772.4	64.6
0°-90°	3793.4	88.3
90°-120°	328.8	7.7
90°-150°	481.5	11.2
90°-180°	502.0	11.7
0°-180°	4295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1196	1194	1183	1193	1190	114
15°	1146	1150	1149	1164	1164	323
25°	1046	1061	1073	1097	1097	482
35°	909	933	965	996	1005	569
45°	747	786	834	872	882	576
55°	568	619	679	722	736	509
65°	385	440	508	558	574	381
75°	200	258	334	387	408	212
85°	44	110	185	237	257	51
90°	1	62	131	180	198	3
95°	1	59	127	174	191	1
105°	1	51	119	164	179	1
115°	2	44	101	146	162	1
125°	2	38	86	124	140	1
135°	2	29	72	102	115	1
145°	2	21	50	77	87	1
155°	2	15	31	49	57	1
165°	2	10	17	23	29	1
175°	2	4	5	5	3	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.0	1193.0	1193.0	1193.0	1193.0
2.5°	1201.1	1197.4	1184.9	1193.0	1189.3
5°	1195.9	1193.7	1183.4	1193.0	1190.0
7.5°	1187.8	1187.1	1179.0	1190.0	1187.1
10°	1176.8	1178.3	1171.7	1183.4	1181.2
12.5°	1162.8	1165.0	1162.1	1175.3	1173.9
15°	1145.9	1149.6	1148.9	1164.3	1164.3
17.5°	1125.3	1130.5	1133.4	1151.1	1151.1
20°	1101.0	1109.1	1115.0	1134.1	1137.1
22.5°	1076.8	1086.3	1095.2	1115.0	1119.4
25°	1045.9	1060.6	1073.1	1096.6	1097.4
27.5°	1015.7	1031.9	1048.8	1071.6	1073.8
30°	982.6	1003.2	1023.8	1045.9	1052.5
32.5°	947.3	970.1	992.9	1022.3	1031.2
35°	909.1	933.4	965.0	995.9	1004.7
37.5°	870.8	898.0	934.8	966.5	974.5
40°	831.9	862.0	903.2	935.6	945.1
42.5°	788.5	825.2	869.4	903.9	915.0
45°	747.3	786.3	834.1	871.6	881.9
47.5°	703.9	745.1	796.5	836.3	848.0
50°	657.5	704.6	759.8	799.5	810.5
52.5°	614.1	662.0	720.1	761.2	776.7
55°	568.5	619.3	678.9	721.5	736.2
57.5°	525.9	574.4	638.4	681.1	699.5
60°	477.3	531.0	595.0	641.4	656.1
62.5°	431.7	486.2	552.4	600.2	617.1
65°	384.7	439.8	508.2	558.2	573.7
67.5°	340.5	395.0	464.8	514.1	534.0
70°	292.0	349.4	420.7	471.5	488.4
72.5°	244.2	303.8	376.6	431.0	450.1
75°	200.1	258.2	333.9	386.9	408.2
77.5°	157.4	216.2	292.7	347.2	365.5
80°	114.7	176.5	254.5	308.2	325.8
82.5°	75.8	140.5	217.7	271.4	290.5
85°	44.1	109.6	185.3	236.8	257.4
87.5°	19.1	83.1	155.2	205.9	222.9
90°	0.7	61.8	130.9	180.2	197.9
92.5°	0.7	60.3	128.0	176.5	193.4
95°	0.7	58.8	127.2	174.3	191.2
97.5°	0.7	58.1	125.8	172.8	189.0
100°	0.7	55.9	123.6	169.9	186.1
102.5°	0.7	53.0	121.4	167.0	182.4
105°	0.7	50.7	119.2	164.0	178.7
107.5°	0.7	48.5	115.5	160.3	175.0
110°	0.7	46.3	109.6	156.7	171.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	45.6	105.2	151.5	167.0
115°	1.5	44.1	100.8	145.6	161.8
117.5°	1.5	43.4	97.1	139.7	156.7
120°	1.5	41.2	93.4	134.6	150.8
122.5°	1.5	39.0	89.7	129.4	145.6
125°	1.5	37.5	86.1	124.3	139.7
127.5°	1.5	35.3	83.1	119.2	133.1
130°	1.5	33.8	79.4	113.3	127.2
132.5°	1.5	31.6	75.8	107.4	120.6
135°	1.5	29.4	72.1	102.2	114.7
137.5°	1.5	26.5	67.7	96.4	108.1
140°	1.5	24.3	61.8	90.5	101.5
142.5°	1.5	22.8	55.9	83.8	94.1
145°	1.5	21.3	50.0	77.2	86.8
147.5°	1.5	19.9	44.9	70.6	79.4
150°	1.5	17.7	39.7	64.7	72.1
152.5°	2.2	16.2	35.3	57.4	64.7
155°	2.2	14.7	30.9	49.3	57.4
157.5°	2.2	13.2	26.5	41.2	50.0
160°	2.2	11.8	22.8	33.8	42.7
162.5°	2.2	11.0	19.9	27.9	36.0
165°	2.2	9.6	16.9	22.8	29.4
167.5°	2.2	7.4	14.0	17.7	24.3
170°	2.2	5.9	11.0	12.5	18.4
172.5°	2.2	4.4	8.1	8.8	9.6
175°	2.2	3.7	5.1	5.1	2.9
177.5°	2.2	2.9	2.9	2.9	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)