

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: P565764

Luminaire Tested: **2SNX-44HL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565764
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-44HL-LW-UNV-L840-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

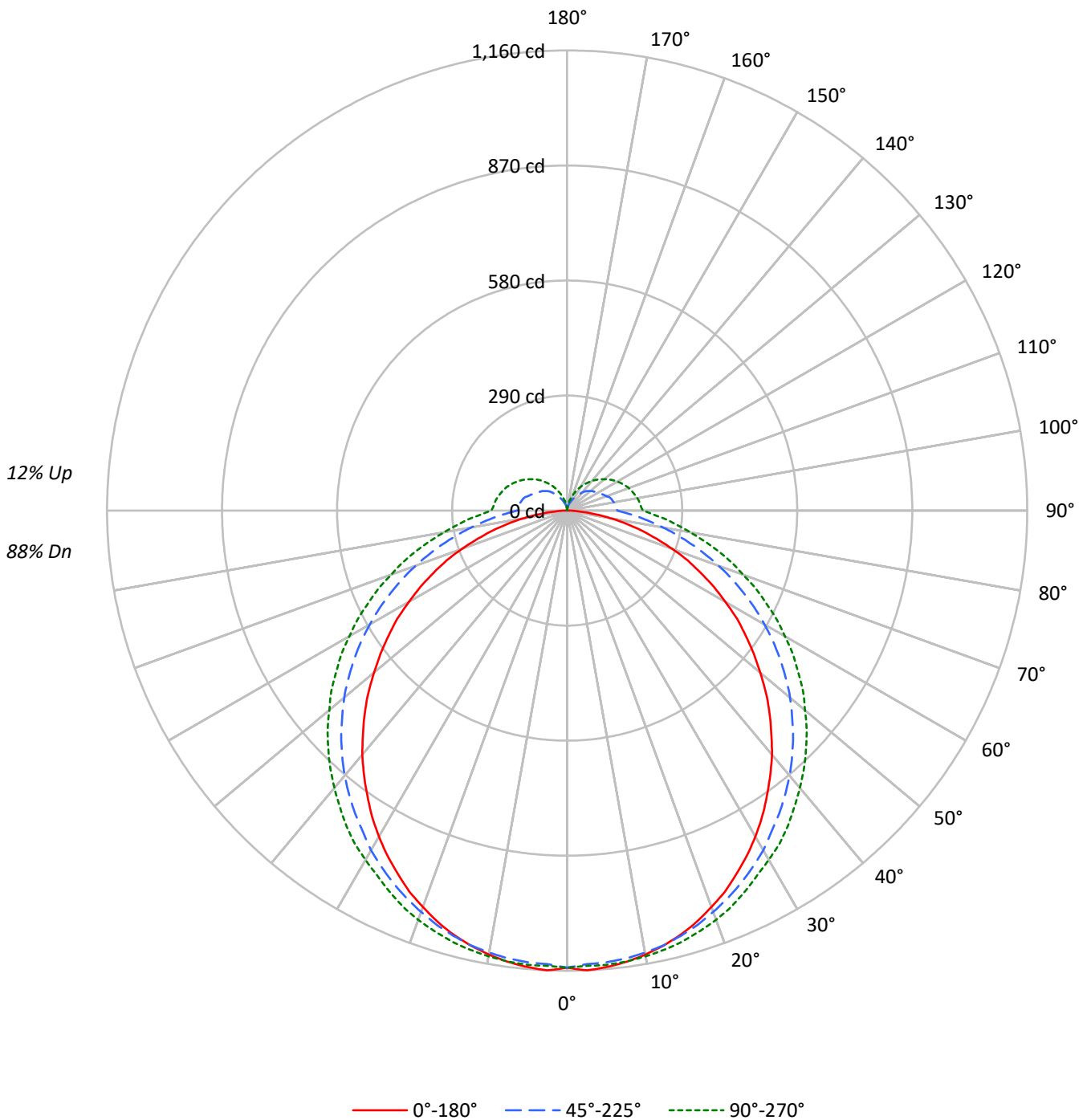
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4148.0 lumens
Efficiency: N/A
Efficacy: 133.4 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): 31.1
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	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°	24804	24804	24804
5°	24779	23603	23468
10°	24484	22621	22315
15°	24127	21651	21264
20°	23645	20679	20246
25°	23096	19737	19204
30°	22508	18818	18246
35°	21802	17861	17385
40°	21102	16965	16450
45°	20282	16025	15558
50°	19346	15058	14610
55°	18417	14002	13670
60°	17345	12897	12661
65°	16055	11697	11617
70°	14443	10408	10485
75°	12258	9004	9400
80°	9328	7604	8160
85°	5389	6261	7123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	2.6
10°-20°	314.6	7.6
20°-30°	478.7	11.5
30°-40°	582.0	14.0
40°-50°	615.7	14.8
50°-60°	577.2	13.9
60°-70°	474.8	11.4
70°-80°	328.5	7.9
80°-90°	182.7	4.4
90°-100°	120.3	2.9
100°-110°	107.9	2.6
110°-120°	89.3	2.2
120°-130°	69.1	1.7
130°-140°	48.9	1.2
140°-150°	29.5	0.7
150°-160°	14.2	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	902.7	21.8
0°-40°	1484.7	35.8
0°-60°	2677.6	64.6
0°-90°	3663.6	88.3
90°-120°	317.6	7.7
90°-150°	465.0	11.2
90°-180°	484.0	11.7
0°-180°	4148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1155	1153	1143	1152	1149	110
15°	1107	1110	1110	1124	1124	312
25°	1010	1024	1036	1059	1060	466
35°	878	901	932	962	970	549
45°	722	759	806	842	852	556
55°	549	598	656	697	711	492
65°	372	425	491	539	554	368
75°	193	249	322	374	394	205
85°	43	106	179	229	249	49
90°	1	60	126	174	191	3
95°	1	57	123	168	185	1
105°	1	49	115	158	173	1
115°	1	43	97	141	156	1
125°	1	36	83	120	135	1
135°	1	28	70	99	111	1
145°	1	21	48	75	84	1
155°	2	14	30	48	55	1
165°	2	9	16	22	28	1
175°	2	4	5	5	3	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 2SNX-44HL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.2	1152.2	1152.2	1152.2	1152.2
2.5°	1160.0	1156.4	1144.3	1152.2	1148.6
5°	1155.0	1152.9	1142.9	1152.2	1149.3
7.5°	1147.2	1146.5	1138.7	1149.3	1146.5
10°	1136.5	1137.9	1131.6	1142.9	1140.8
12.5°	1123.0	1125.2	1122.3	1135.1	1133.7
15°	1106.7	1110.2	1109.5	1124.5	1124.5
17.5°	1086.8	1091.8	1094.6	1111.7	1111.7
20°	1063.4	1071.2	1076.9	1095.3	1098.2
22.5°	1039.9	1049.2	1057.7	1076.9	1081.1
25°	1010.1	1024.3	1036.4	1059.1	1059.8
27.5°	981.0	996.6	1012.9	1034.9	1037.1
30°	949.0	968.9	988.8	1010.1	1016.5
32.5°	914.9	936.9	958.9	987.4	995.9
35°	878.0	901.4	932.0	961.8	970.3
37.5°	841.0	867.3	902.8	933.4	941.2
40°	803.4	832.5	872.3	903.5	912.8
42.5°	761.5	797.0	839.6	873.0	883.6
45°	721.7	759.3	805.5	841.7	851.7
47.5°	679.8	719.6	769.3	807.6	819.0
50°	635.0	680.5	733.8	772.1	782.8
52.5°	593.1	639.3	695.4	735.2	750.1
55°	549.1	598.1	655.6	696.8	711.0
57.5°	507.9	554.8	616.6	657.8	675.5
60°	461.0	512.9	574.7	619.4	633.6
62.5°	417.0	469.5	533.5	579.6	596.0
65°	371.5	424.8	490.8	539.1	554.1
67.5°	328.9	381.4	448.9	496.5	515.7
70°	282.0	337.4	406.3	455.3	471.7
72.5°	235.8	293.4	363.7	416.3	434.7
75°	193.2	249.3	322.5	373.6	394.2
77.5°	152.0	208.8	282.7	335.3	353.0
80°	110.8	170.5	245.8	297.6	314.7
82.5°	73.2	135.7	210.3	262.1	280.6
85°	42.6	105.8	179.0	228.7	248.6
87.5°	18.5	80.3	149.9	198.9	215.2
90°	0.7	59.7	126.4	174.0	191.1
92.5°	0.7	58.2	123.6	170.5	186.8
95°	0.7	56.8	122.9	168.3	184.7
97.5°	0.7	56.1	121.5	166.9	182.6
100°	0.7	54.0	119.3	164.1	179.7
102.5°	0.7	51.1	117.2	161.2	176.2
105°	0.7	49.0	115.1	158.4	172.6
107.5°	0.7	46.9	111.5	154.9	169.1
110°	0.7	44.8	105.8	151.3	165.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	44.0	101.6	146.3	161.2
115°	1.4	42.6	97.3	140.6	156.3
117.5°	1.4	41.9	93.8	135.0	151.3
120°	1.4	39.8	90.2	130.0	145.6
122.5°	1.4	37.6	86.7	125.0	140.6
125°	1.4	36.2	83.1	120.0	135.0
127.5°	1.4	34.1	80.3	115.1	128.6
130°	1.4	32.7	76.7	109.4	122.9
132.5°	1.4	30.5	73.2	103.7	116.5
135°	1.4	28.4	69.6	98.7	110.8
137.5°	1.4	25.6	65.4	93.1	104.4
140°	1.4	23.4	59.7	87.4	98.0
142.5°	1.4	22.0	54.0	81.0	90.9
145°	1.4	20.6	48.3	74.6	83.8
147.5°	1.4	19.2	43.3	68.2	76.7
150°	1.4	17.0	38.4	62.5	69.6
152.5°	2.1	15.6	34.1	55.4	62.5
155°	2.1	14.2	29.8	47.6	55.4
157.5°	2.1	12.8	25.6	39.8	48.3
160°	2.1	11.4	22.0	32.7	41.2
162.5°	2.1	10.7	19.2	27.0	34.8
165°	2.1	9.2	16.3	22.0	28.4
167.5°	2.1	7.1	13.5	17.0	23.4
170°	2.1	5.7	10.7	12.1	17.8
172.5°	2.1	4.3	7.8	8.5	9.2
175°	2.1	3.6	5.0	5.0	2.8
177.5°	2.1	2.8	2.8	2.8	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)