

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: P565754

Luminaire Tested: **2SNX-44HL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565754  
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-44HL-LN-UNV-L830-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

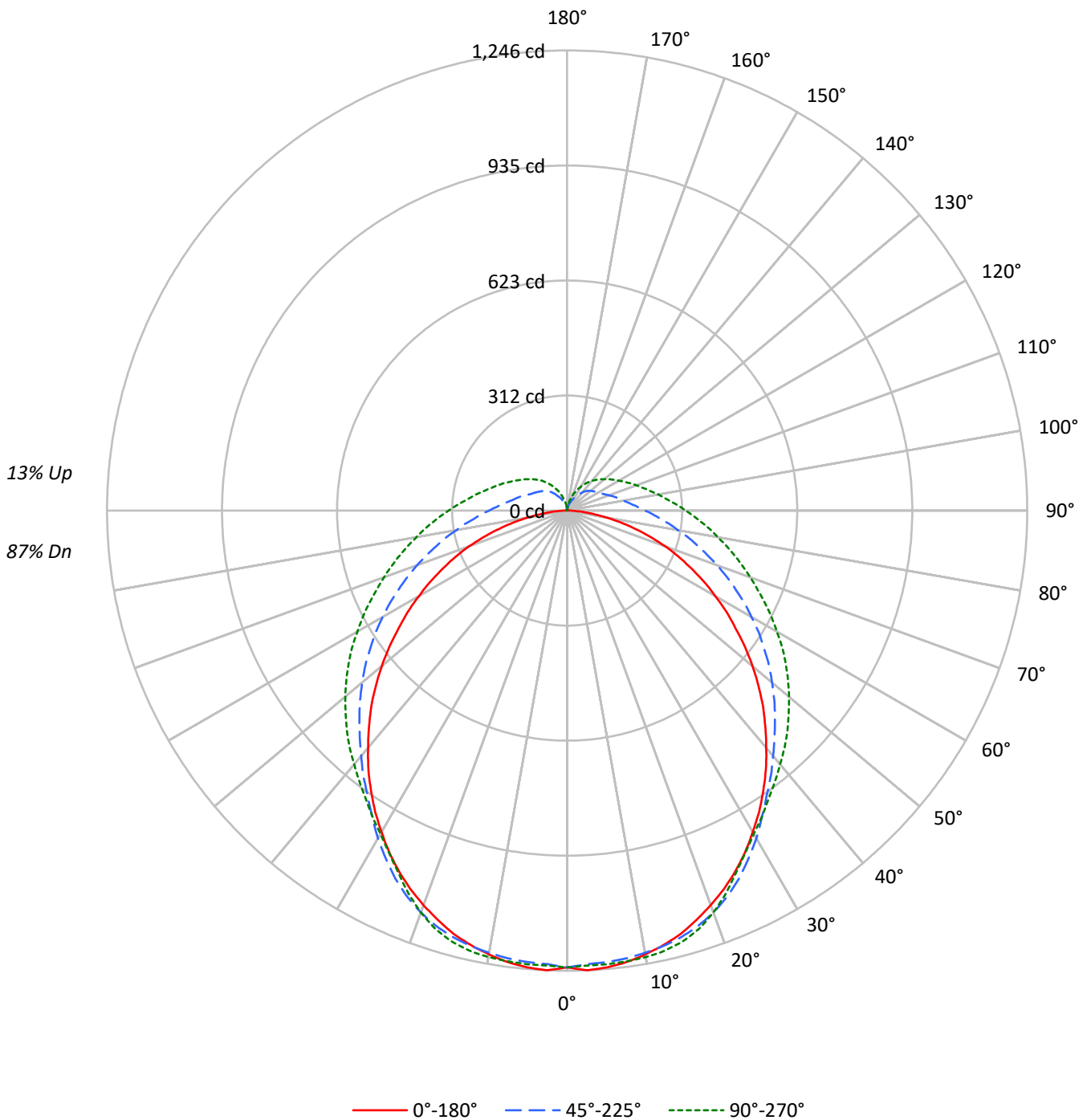
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4465.0 lumens  
Efficiency: N/A  
Efficacy: 143.6 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): 31.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	26628	26628	26628
5°	26633	25340	25179
10°	26287	24303	24016
15°	25875	23325	22844
20°	25281	22241	21352
25°	24646	20946	19601
30°	23843	19505	18140
35°	22989	18047	17048
40°	22029	16871	16165
45°	21083	15828	15404
50°	19970	14866	14636
55°	18686	13903	13884
60°	17432	12944	13098
65°	16029	11979	12378
70°	14423	11072	11728
75°	12055	10188	11191
80°	9050	9413	10738
85°	5452	8842	10476



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	2.6
10°-20°	337.8	7.6
20°-30°	503.1	11.3
30°-40°	593.6	13.3
40°-50°	619.0	13.9
50°-60°	581.7	13.0
60°-70°	491.3	11.0
70°-80°	371.2	8.3
80°-90°	255.9	5.7
90°-100°	179.1	4.0
100°-110°	133.6	3.0
110°-120°	100.7	2.3
120°-130°	75.1	1.7
130°-140°	52.7	1.2
140°-150°	31.9	0.7
150°-160°	15.2	0.3
160°-170°	4.9	0.1
170°-180°	0.6	0.0
0°-30°	958.4	21.5
0°-40°	1552.0	34.8
0°-60°	2752.8	61.7
0°-90°	3871.1	86.7
90°-120°	413.4	9.3
90°-150°	573.1	12.8
90°-180°	594.0	13.3
0°-180°	4465.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1241	1239	1227	1236	1233	118
15°	1187	1192	1195	1210	1208	334
25°	1078	1100	1100	1090	1082	496
35°	926	960	942	949	952	579
45°	750	787	796	828	843	578
55°	557	605	651	703	722	500
65°	371	430	503	568	590	368
75°	190	263	365	441	469	202
85°	43	136	253	336	366	48
90°	1	96	211	292	321	3
95°	1	75	179	256	282	1
105°	2	54	138	200	222	1
115°	2	46	107	159	179	2
125°	2	39	90	130	147	2
135°	2	30	75	106	119	2
145°	3	22	52	81	91	2
155°	3	14	32	52	60	1
165°	4	9	17	23	30	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°	1236.9	1236.9	1236.9	1236.9	1236.9
2.5°	1246.0	1242.9	1229.3	1236.9	1233.1
5°	1241.4	1239.2	1227.0	1236.1	1233.1
7.5°	1233.1	1232.3	1223.3	1233.9	1230.8
10°	1220.2	1222.5	1215.7	1230.1	1227.8
12.5°	1205.1	1209.6	1207.4	1223.3	1221.0
15°	1186.9	1192.2	1195.3	1210.4	1208.1
17.5°	1162.7	1172.5	1179.4	1191.5	1187.7
20°	1137.0	1150.6	1158.2	1164.2	1158.2
22.5°	1109.0	1127.1	1131.7	1128.6	1122.6
25°	1077.9	1099.9	1099.9	1090.0	1081.7
27.5°	1043.1	1070.4	1062.8	1051.4	1044.6
30°	1005.3	1037.8	1024.9	1012.1	1010.6
32.5°	967.4	1001.5	982.5	979.5	981.8
35°	925.8	959.8	941.7	949.2	951.5
37.5°	884.1	918.2	906.1	917.4	924.3
40°	838.7	875.1	867.5	887.9	897.0
42.5°	794.1	831.9	831.2	857.6	871.3
45°	750.2	787.2	795.6	828.1	843.3
47.5°	702.5	740.3	760.8	798.6	813.7
50°	655.5	696.4	724.4	766.8	784.2
52.5°	607.1	650.2	688.8	735.8	753.9
55°	557.1	604.8	651.0	703.2	722.1
57.5°	512.5	560.9	615.4	669.2	691.1
60°	463.3	517.0	576.8	633.6	655.5
62.5°	418.6	473.9	540.5	600.3	623.7
65°	370.9	430.0	502.6	568.5	590.4
67.5°	327.0	387.6	467.1	533.7	557.9
70°	281.6	345.9	432.2	502.6	527.6
72.5°	234.7	302.8	397.4	472.3	498.1
75°	190.0	263.4	364.9	441.3	469.3
77.5°	148.4	225.6	335.3	414.1	441.3
80°	107.5	191.5	304.3	386.1	414.1
82.5°	71.2	162.0	279.3	361.1	390.6
85°	43.1	135.5	252.8	336.1	365.6
87.5°	19.7	113.5	231.6	314.1	342.9
90°	0.8	96.1	211.2	292.2	321.0
92.5°	0.8	84.0	194.5	273.3	301.3
95°	0.8	74.9	178.6	255.9	282.3
97.5°	0.8	68.9	166.5	239.2	264.9
100°	0.8	62.8	154.4	224.1	250.6
102.5°	1.5	57.5	145.3	210.4	235.4
105°	1.5	53.7	137.8	199.8	222.5
107.5°	1.5	51.5	129.4	189.2	210.4
110°	1.5	49.2	120.4	178.6	199.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	47.7	113.5	169.6	190.0
115°	1.5	46.2	106.7	159.0	179.4
117.5°	1.5	45.4	102.9	150.6	170.3
120°	2.3	43.1	98.4	143.1	162.0
122.5°	2.3	40.9	93.9	137.0	153.7
125°	2.3	39.4	90.1	130.2	146.9
127.5°	2.3	37.1	86.3	124.1	139.3
130°	2.3	34.8	83.3	118.1	132.5
132.5°	2.3	32.5	79.5	112.0	125.7
135°	2.3	30.3	74.9	106.0	118.8
137.5°	2.3	28.0	70.4	99.9	112.0
140°	2.3	25.7	64.3	93.9	105.2
142.5°	2.3	23.5	58.3	87.8	97.6
145°	3.0	22.0	52.2	81.0	90.8
147.5°	3.0	19.7	46.2	74.2	82.5
150°	3.0	18.2	41.6	67.4	74.9
152.5°	3.0	15.9	37.1	59.8	67.4
155°	3.0	14.4	31.8	51.5	59.8
157.5°	3.0	12.9	27.3	43.1	52.2
160°	3.0	12.1	23.5	35.6	44.7
162.5°	3.8	10.6	19.7	28.8	37.1
165°	3.8	9.1	16.7	22.7	30.3
167.5°	3.8	7.6	13.6	17.4	23.5
170°	3.8	6.1	10.6	12.1	18.2
172.5°	3.8	4.5	7.6	8.3	9.1
175°	3.8	3.8	4.5	4.5	2.3
177.5°	3.8	3.8	3.0	2.3	0.8
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)