

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: P565760

Luminaire Tested: **2SNX-44HL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565760  
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-L940-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

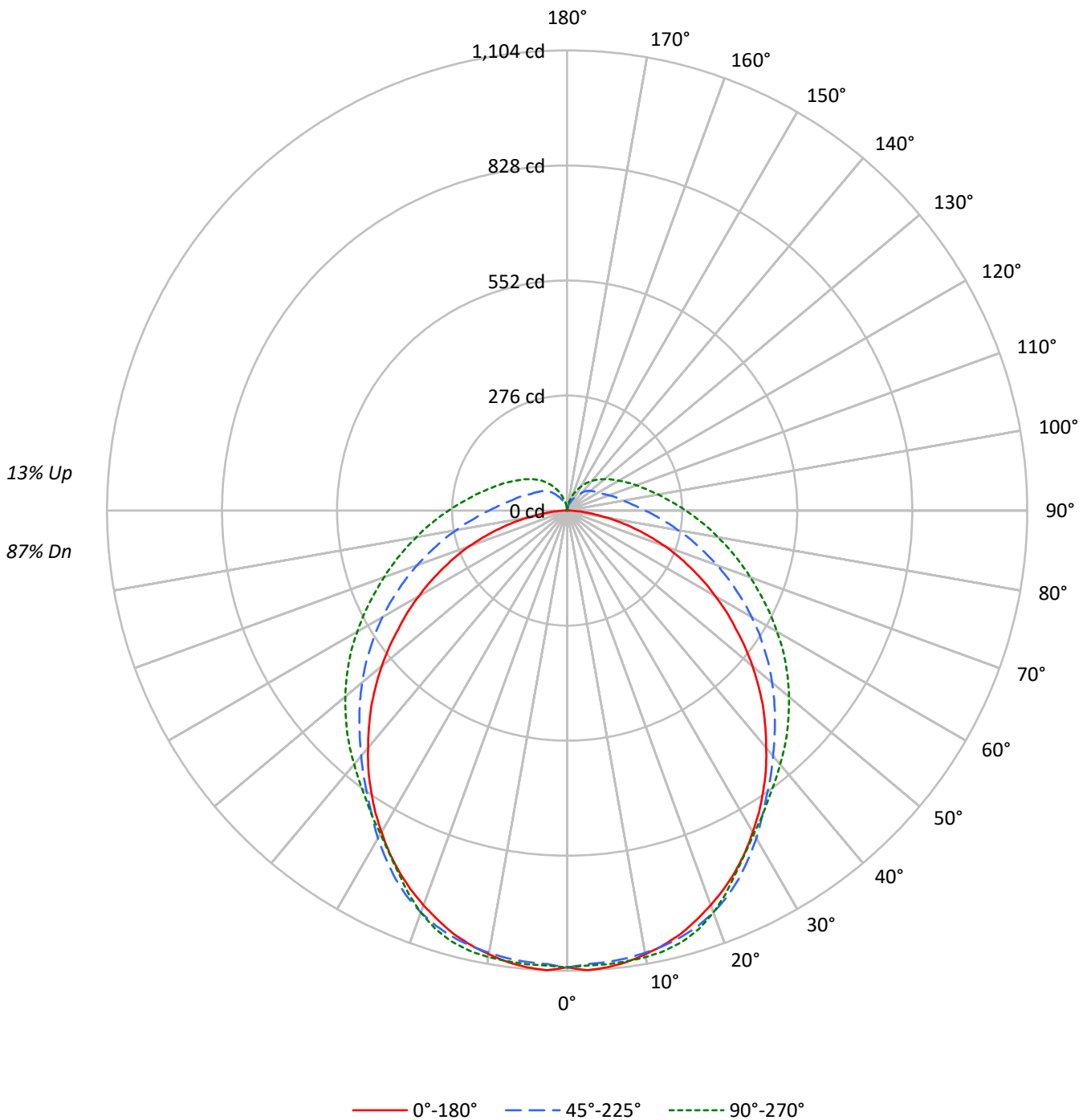
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3956.0 lumens  
Efficiency: N/A  
Efficacy: 127.2 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 (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°	23592	23592	23592
5°	23597	22453	22308
10°	23291	21532	21278
15°	22925	20666	20241
20°	22400	19704	18917
25°	21836	18558	17366
30°	21125	17282	16072
35°	20367	15989	15104
40°	19518	14948	14323
45°	18677	14023	13647
50°	17694	13171	12967
55°	16556	12319	12301
60°	15445	11470	11606
65°	14201	10613	10967
70°	12779	9811	10392
75°	10678	9026	9915
80°	8015	8340	9514
85°	4832	7835	9281



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.1	2.6
10°-20°	299.3	7.6
20°-30°	445.7	11.3
30°-40°	525.9	13.3
40°-50°	548.5	13.9
50°-60°	515.4	13.0
60°-70°	435.3	11.0
70°-80°	328.9	8.3
80°-90°	226.7	5.7
90°-100°	158.6	4.0
100°-110°	118.4	3.0
110°-120°	89.2	2.3
120°-130°	66.6	1.7
130°-140°	46.7	1.2
140°-150°	28.2	0.7
150°-160°	13.5	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	849.1	21.5
0°-40°	1375.1	34.8
0°-60°	2439.0	61.7
0°-90°	3429.8	86.7
90°-120°	366.3	9.3
90°-150°	507.8	12.8
90°-180°	526.0	13.3
0°-180°	3956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1096	1096	1096	1096	1096	
5°	1100	1098	1087	1095	1092	104
15°	1052	1056	1059	1072	1070	296
25°	955	974	974	966	958	439
35°	820	850	834	841	843	513
45°	665	698	705	734	747	512
55°	494	536	577	623	640	443
65°	329	381	445	504	523	326
75°	168	233	323	391	416	179
85°	38	120	224	298	324	43
90°	1	85	187	259	284	3
95°	1	66	158	227	250	1
105°	1	48	122	177	197	1
115°	1	41	95	141	159	1
125°	2	35	80	115	130	2
135°	2	27	66	94	105	2
145°	3	19	46	72	80	2
155°	3	13	28	46	53	1
165°	3	8	15	20	27	1
175°	3	3	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°	1095.9	1095.9	1095.9	1095.9	1095.9
2.5°	1103.9	1101.3	1089.2	1095.9	1092.5
5°	1099.9	1097.9	1087.2	1095.2	1092.5
7.5°	1092.5	1091.9	1083.8	1093.2	1090.5
10°	1081.1	1083.1	1077.1	1089.8	1087.8
12.5°	1067.7	1071.7	1069.7	1083.8	1081.8
15°	1051.6	1056.3	1059.0	1072.4	1070.4
17.5°	1030.2	1038.9	1044.9	1055.6	1052.3
20°	1007.4	1019.4	1026.1	1031.5	1026.1
22.5°	982.5	998.6	1002.7	1000.0	994.6
25°	955.0	974.5	974.5	965.8	958.4
27.5°	924.2	948.3	941.6	931.6	925.5
30°	890.7	919.5	908.1	896.7	895.4
32.5°	857.1	887.3	870.5	867.9	869.9
35°	820.2	850.4	834.3	841.0	843.0
37.5°	783.4	813.5	802.8	812.9	818.9
40°	743.1	775.3	768.6	786.7	794.8
42.5°	703.5	737.1	736.4	759.9	771.9
45°	664.6	697.5	704.9	733.7	747.1
47.5°	622.4	655.9	674.0	707.6	721.0
50°	580.8	617.0	641.8	679.4	694.8
52.5°	537.9	576.1	610.3	651.9	668.0
55°	493.6	535.9	576.8	623.1	639.8
57.5°	454.0	497.0	545.3	592.9	612.3
60°	410.5	458.1	511.1	561.4	580.8
62.5°	370.9	419.8	478.9	531.8	552.6
65°	328.6	380.9	445.3	503.7	523.1
67.5°	289.7	343.4	413.8	472.8	494.3
70°	249.5	306.5	383.0	445.3	467.5
72.5°	207.9	268.3	352.1	418.5	441.3
75°	168.3	233.4	323.3	391.0	415.8
77.5°	131.5	199.9	297.1	366.9	391.0
80°	95.2	169.7	269.6	342.0	366.9
82.5°	63.0	143.5	247.5	319.9	346.1
85°	38.2	120.1	224.0	297.8	323.9
87.5°	17.4	100.6	205.2	278.3	303.8
90°	0.7	85.2	187.1	258.9	284.4
92.5°	0.7	74.4	172.4	242.1	266.9
95°	0.7	66.4	158.3	226.7	250.2
97.5°	0.7	61.0	147.5	211.9	234.7
100°	0.7	55.7	136.8	198.5	222.0
102.5°	1.3	51.0	128.8	186.4	208.6
105°	1.3	47.6	122.1	177.1	197.2
107.5°	1.3	45.6	114.7	167.7	186.4
110°	1.3	43.6	106.6	158.3	177.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	42.3	100.6	150.2	168.3
115°	1.3	40.9	94.6	140.8	159.0
117.5°	1.3	40.2	91.2	133.5	150.9
120°	2.0	38.2	87.2	126.8	143.5
122.5°	2.0	36.2	83.2	121.4	136.1
125°	2.0	34.9	79.8	115.4	130.1
127.5°	2.0	32.9	76.5	110.0	123.4
130°	2.0	30.9	73.8	104.6	117.4
132.5°	2.0	28.8	70.4	99.3	111.3
135°	2.0	26.8	66.4	93.9	105.3
137.5°	2.0	24.8	62.4	88.5	99.3
140°	2.0	22.8	57.0	83.2	93.2
142.5°	2.0	20.8	51.6	77.8	86.5
145°	2.7	19.4	46.3	71.8	80.5
147.5°	2.7	17.4	40.9	65.7	73.1
150°	2.7	16.1	36.9	59.7	66.4
152.5°	2.7	14.1	32.9	53.0	59.7
155°	2.7	12.7	28.2	45.6	53.0
157.5°	2.7	11.4	24.1	38.2	46.3
160°	2.7	10.7	20.8	31.5	39.6
162.5°	3.4	9.4	17.4	25.5	32.9
165°	3.4	8.0	14.8	20.1	26.8
167.5°	3.4	6.7	12.1	15.4	20.8
170°	3.4	5.4	9.4	10.7	16.1
172.5°	3.4	4.0	6.7	7.4	8.0
175°	3.4	3.4	4.0	4.0	2.0
177.5°	3.4	3.4	2.7	2.0	0.7
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)