

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: P565738

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565738
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-FDL-UNV-L830-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

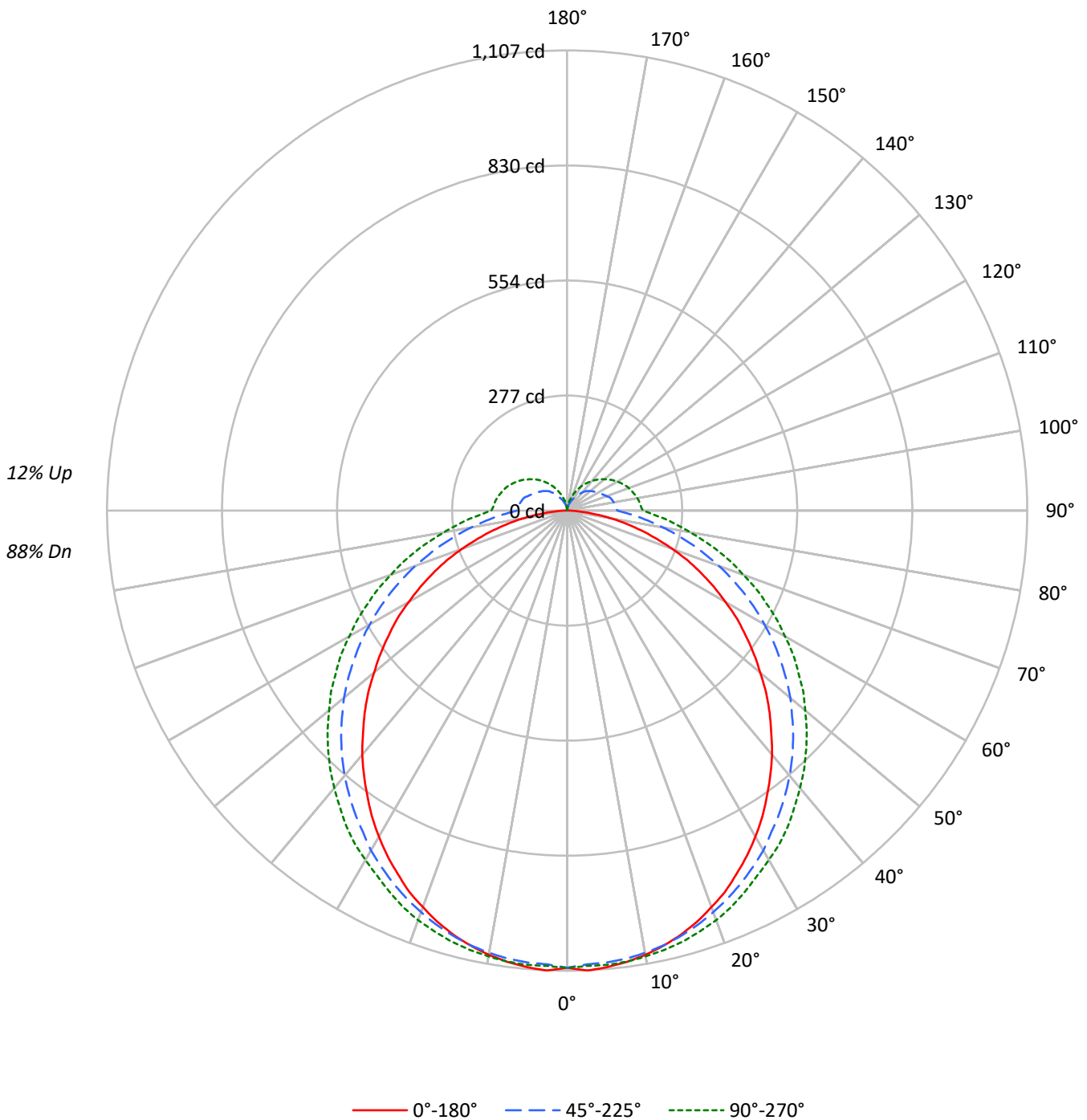
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3960.0 lumens
Efficiency: N/A
Efficacy: 127.3 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: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 31.1
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

TEST NUMBER: P565738
CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L830-CD

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	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°	23678	23678	23678
5°	23784	23308	23370
10°	23631	23076	23128
15°	23416	22797	22903
20°	23083	22469	22645
25°	22685	22133	22300
30°	22254	21798	22005
35°	21712	21396	21800
40°	21184	21058	21484
45°	20548	20671	21218
50°	19814	20260	20881
55°	19106	19752	20579
60°	18289	19209	20210
65°	17295	18586	19848
70°	16027	17896	19441
75°	14239	17133	19302
80°	11730	16601	19145
85°	8120	16782	20177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	2.6
10°-20°	300.4	7.6
20°-30°	457.0	11.5
30°-40°	555.6	14.0
40°-50°	587.8	14.8
50°-60°	551.0	13.9
60°-70°	453.3	11.4
70°-80°	313.6	7.9
80°-90°	174.4	4.4
90°-100°	114.9	2.9
100°-110°	103.0	2.6
110°-120°	85.3	2.2
120°-130°	65.9	1.7
130°-140°	46.7	1.2
140°-150°	28.2	0.7
150°-160°	13.5	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	861.8	21.8
0°-40°	1417.4	35.8
0°-60°	2556.2	64.6
0°-90°	3497.6	88.3
90°-120°	303.2	7.7
90°-150°	444.0	11.2
90°-180°	462.0	11.7
0°-180°	3960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1103	1101	1091	1100	1097	105
15°	1056	1060	1059	1074	1074	298
25°	964	978	989	1011	1012	444
35°	838	861	890	918	926	525
45°	689	725	769	804	813	531
55°	524	571	626	665	679	469
65°	355	406	469	515	529	352
75°	184	238	308	357	376	196
85°	41	101	171	218	237	47
90°	1	57	121	166	182	3
95°	1	54	117	161	176	1
105°	1	47	110	151	165	1
115°	1	41	93	134	149	1
125°	1	35	79	115	129	1
135°	1	27	66	94	106	1
145°	1	20	46	71	80	1
155°	2	14	28	45	53	1
165°	2	9	16	21	27	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



TEST NUMBER: P565738

CATALOG NUMBER: 2SNX-44HL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1107.4	1104.0	1092.5	1099.9	1096.5
5°	1102.6	1100.6	1091.1	1099.9	1097.2
7.5°	1095.2	1094.5	1087.1	1097.2	1094.5
10°	1085.0	1086.4	1080.3	1091.1	1089.1
12.5°	1072.1	1074.2	1071.5	1083.7	1082.3
15°	1056.5	1059.9	1059.2	1073.5	1073.5
17.5°	1037.5	1042.3	1045.0	1061.3	1061.3
20°	1015.2	1022.6	1028.1	1045.7	1048.4
22.5°	992.8	1001.6	1009.7	1028.1	1032.1
25°	964.3	977.9	989.4	1011.1	1011.8
27.5°	936.5	951.4	967.0	988.0	990.1
30°	906.0	925.0	944.0	964.3	970.4
32.5°	873.4	894.5	915.5	942.6	950.7
35°	838.2	860.6	889.7	918.2	926.3
37.5°	802.9	828.0	861.9	891.1	898.5
40°	767.0	794.8	832.7	862.6	871.4
42.5°	727.0	760.9	801.6	833.4	843.6
45°	689.0	724.9	769.0	803.6	813.1
47.5°	649.0	687.0	734.4	771.0	781.9
50°	606.3	649.7	700.5	737.1	747.3
52.5°	566.2	610.3	663.9	701.9	716.1
55°	524.2	571.0	625.9	665.3	678.8
57.5°	484.9	529.6	588.6	628.0	644.9
60°	440.1	489.6	548.6	591.3	604.9
62.5°	398.1	448.2	509.3	553.4	569.0
65°	354.7	405.5	468.6	514.7	528.9
67.5°	314.0	364.2	428.6	474.0	492.3
70°	269.2	322.1	387.9	434.7	450.3
72.5°	225.1	280.1	347.2	397.4	415.0
75°	184.5	238.0	307.9	356.7	376.4
77.5°	145.1	199.4	269.9	320.1	337.0
80°	105.8	162.8	234.6	284.1	300.4
82.5°	69.8	129.5	200.7	250.2	267.9
85°	40.7	101.0	170.9	218.4	237.3
87.5°	17.6	76.6	143.1	189.9	205.5
90°	0.7	57.0	120.7	166.1	182.4
92.5°	0.7	55.6	118.0	162.8	178.3
95°	0.7	54.3	117.3	160.7	176.3
97.5°	0.7	53.6	116.0	159.4	174.3
100°	0.7	51.5	113.9	156.6	171.6
102.5°	0.7	48.8	111.9	153.9	168.2
105°	0.7	46.8	109.9	151.2	164.8
107.5°	0.7	44.8	106.5	147.8	161.4
110°	0.7	42.7	101.0	144.4	158.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	42.0	97.0	139.7	153.9
115°	1.4	40.7	92.9	134.3	149.2
117.5°	1.4	40.0	89.5	128.8	144.4
120°	1.4	38.0	86.1	124.1	139.0
122.5°	1.4	35.9	82.7	119.4	134.3
125°	1.4	34.6	79.3	114.6	128.8
127.5°	1.4	32.6	76.6	109.9	122.7
130°	1.4	31.2	73.2	104.4	117.3
132.5°	1.4	29.2	69.8	99.0	111.2
135°	1.4	27.1	66.5	94.3	105.8
137.5°	1.4	24.4	62.4	88.8	99.7
140°	1.4	22.4	57.0	83.4	93.6
142.5°	1.4	21.0	51.5	77.3	86.8
145°	1.4	19.7	46.1	71.2	80.0
147.5°	1.4	18.3	41.4	65.1	73.2
150°	1.4	16.3	36.6	59.7	66.5
152.5°	2.0	14.9	32.6	52.9	59.7
155°	2.0	13.6	28.5	45.4	52.9
157.5°	2.0	12.2	24.4	38.0	46.1
160°	2.0	10.9	21.0	31.2	39.3
162.5°	2.0	10.2	18.3	25.8	33.2
165°	2.0	8.8	15.6	21.0	27.1
167.5°	2.0	6.8	12.9	16.3	22.4
170°	2.0	5.4	10.2	11.5	17.0
172.5°	2.0	4.1	7.5	8.1	8.8
175°	2.0	3.4	4.7	4.7	2.7
177.5°	2.0	2.7	2.7	2.7	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)