

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: P565762

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565762
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-L830-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

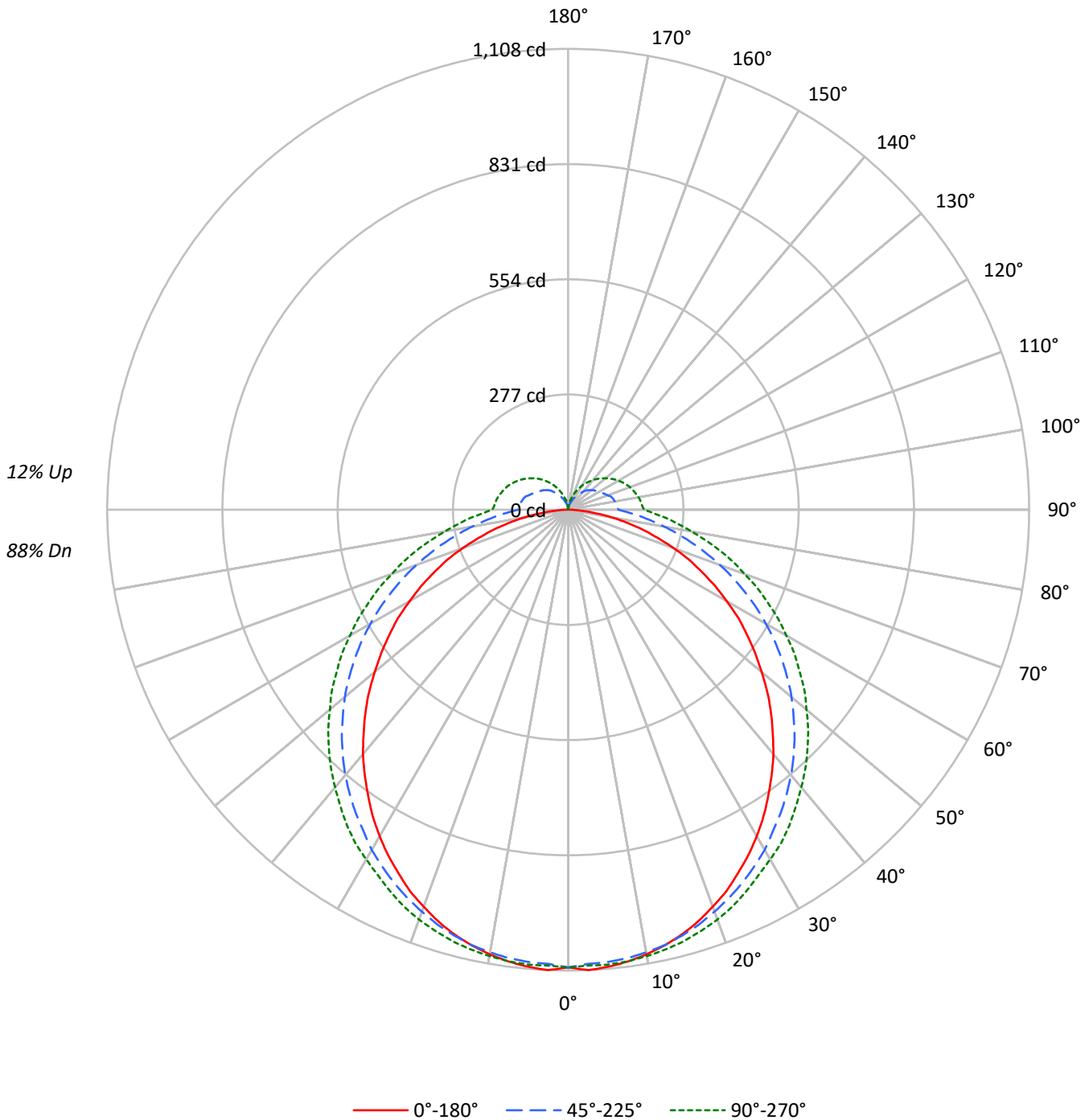
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3962.0 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): 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

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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°	23691	23691	23691
5°	23668	22546	22416
10°	23387	21606	21313
15°	23045	20681	20309
20°	22584	19752	19337
25°	22060	18851	18343
30°	21497	17973	17427
35°	20824	17060	16605
40°	20156	16204	15711
45°	19371	15307	14860
50°	18480	14383	13954
55°	17592	13374	13059
60°	16566	12318	12093
65°	15333	11173	11095
70°	13798	9942	10014
75°	11706	8599	8980
80°	8907	7263	7795
85°	5149	5981	6805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	2.6
10°-20°	300.5	7.6
20°-30°	457.2	11.5
30°-40°	555.9	14.0
40°-50°	588.1	14.8
50°-60°	551.3	13.9
60°-70°	453.5	11.4
70°-80°	313.8	7.9
80°-90°	174.5	4.4
90°-100°	115.0	2.9
100°-110°	103.1	2.6
110°-120°	85.3	2.2
120°-130°	66.0	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°	862.2	21.8
0°-40°	1418.1	35.8
0°-60°	2557.5	64.6
0°-90°	3499.3	88.3
90°-120°	303.4	7.7
90°-150°	444.2	11.2
90°-180°	463.0	11.7
0°-180°	3962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1103	1101	1092	1100	1098	105
15°	1057	1060	1060	1074	1074	298
25°	965	978	990	1012	1012	445
35°	839	861	890	919	927	525
45°	689	725	769	804	814	531
55°	524	571	626	666	679	469
65°	355	406	469	515	529	352
75°	184	238	308	357	377	196
85°	41	101	171	218	238	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	46	53	1
165°	2	9	16	21	27	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.5	1100.5	1100.5	1100.5	1100.5
2.5°	1108.0	1104.6	1093.0	1100.5	1097.1
5°	1103.2	1101.2	1091.7	1100.5	1097.8
7.5°	1095.7	1095.1	1087.6	1097.8	1095.1
10°	1085.6	1086.9	1080.8	1091.7	1089.6
12.5°	1072.7	1074.7	1072.0	1084.2	1082.9
15°	1057.1	1060.5	1059.8	1074.0	1074.0
17.5°	1038.1	1042.8	1045.5	1061.8	1061.8
20°	1015.7	1023.1	1028.6	1046.2	1048.9
22.5°	993.3	1002.1	1010.3	1028.6	1032.6
25°	964.8	978.4	989.9	1011.6	1012.3
27.5°	937.0	951.9	967.5	988.5	990.6
30°	906.4	925.4	944.4	964.8	970.9
32.5°	873.9	894.9	915.9	943.1	951.2
35°	838.6	861.0	890.2	918.7	926.8
37.5°	803.3	828.4	862.3	891.5	899.0
40°	767.4	795.2	833.2	863.0	871.8
42.5°	727.3	761.3	802.0	833.8	844.0
45°	689.3	725.3	769.4	804.0	813.5
47.5°	649.3	687.3	734.8	771.4	782.3
50°	606.6	650.0	700.9	737.5	747.7
52.5°	566.5	610.6	664.2	702.2	716.5
55°	524.5	571.3	626.2	665.6	679.2
57.5°	485.1	529.9	588.9	628.3	645.2
60°	440.3	489.9	548.9	591.6	605.2
62.5°	398.3	448.5	509.5	553.6	569.2
65°	354.8	405.7	468.8	515.0	529.2
67.5°	314.1	364.3	428.8	474.3	492.6
70°	269.4	322.3	388.1	434.9	450.5
72.5°	225.3	280.2	347.4	397.6	415.2
75°	184.5	238.1	308.0	356.9	376.6
77.5°	145.2	199.5	270.0	320.2	337.2
80°	105.8	162.8	234.8	284.3	300.6
82.5°	69.9	129.6	200.8	250.4	268.0
85°	40.7	101.1	171.0	218.5	237.5
87.5°	17.6	76.7	143.2	190.0	205.6
90°	0.7	57.0	120.8	166.2	182.5
92.5°	0.7	55.6	118.1	162.8	178.4
95°	0.7	54.3	117.4	160.8	176.4
97.5°	0.7	53.6	116.0	159.4	174.4
100°	0.7	51.6	114.0	156.7	171.7
102.5°	0.7	48.9	111.9	154.0	168.3
105°	0.7	46.8	109.9	151.3	164.9
107.5°	0.7	44.8	106.5	147.9	161.5
110°	0.7	42.7	101.1	144.5	158.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	42.1	97.0	139.8	154.0
115°	1.4	40.7	93.0	134.3	149.3
117.5°	1.4	40.0	89.6	128.9	144.5
120°	1.4	38.0	86.2	124.2	139.1
122.5°	1.4	36.0	82.8	119.4	134.3
125°	1.4	34.6	79.4	114.7	128.9
127.5°	1.4	32.6	76.7	109.9	122.8
130°	1.4	31.2	73.3	104.5	117.4
132.5°	1.4	29.2	69.9	99.1	111.3
135°	1.4	27.1	66.5	94.3	105.8
137.5°	1.4	24.4	62.4	88.9	99.7
140°	1.4	22.4	57.0	83.5	93.6
142.5°	1.4	21.0	51.6	77.3	86.8
145°	1.4	19.7	46.1	71.2	80.1
147.5°	1.4	18.3	41.4	65.1	73.3
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	45.5	52.9
157.5°	2.0	12.2	24.4	38.0	46.1
160°	2.0	10.9	21.0	31.2	39.4
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)