

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: P565757

Luminaire Tested: **2SNX-44HL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565757
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-L850-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

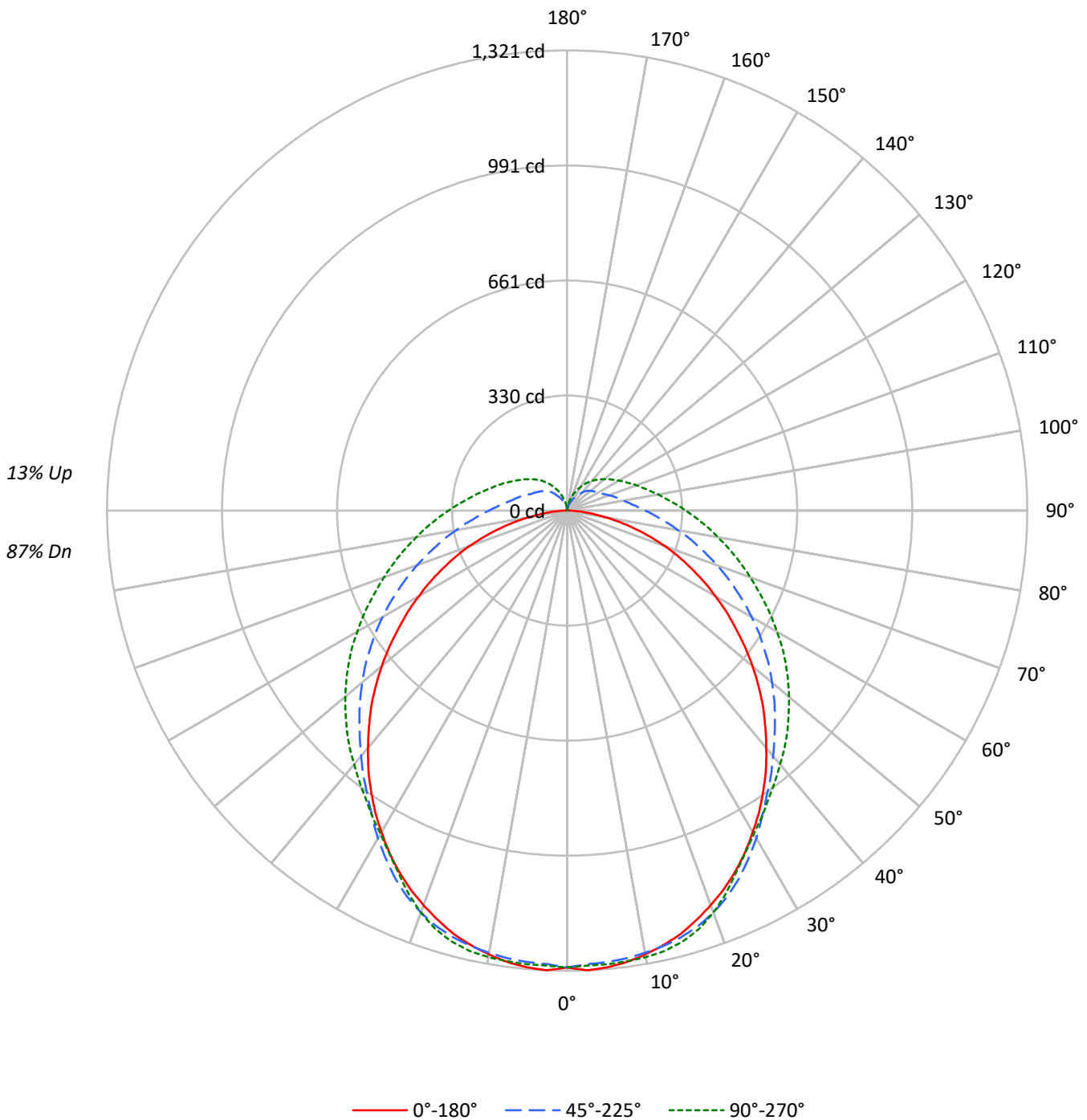
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4734.0 lumens
Efficiency: N/A
Efficacy: 152.2 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 (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	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°	28232	28232	28232
5°	28237	26868	26696
10°	27871	25766	25464
15°	27434	24730	24221
20°	26804	23579	22637
25°	26132	22207	20782
30°	25278	20681	19231
35°	24372	19133	18074
40°	23358	17886	17140
45°	22353	16781	16332
50°	21174	15762	15518
55°	19813	14740	14722
60°	18481	13725	13887
65°	16997	12701	13124
70°	15293	11740	12434
75°	12778	10799	11866
80°	9597	9979	11384
85°	5781	9377	11106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	2.6
10°-20°	358.2	7.6
20°-30°	533.4	11.3
30°-40°	629.3	13.3
40°-50°	656.3	13.9
50°-60°	616.8	13.0
60°-70°	520.9	11.0
70°-80°	393.6	8.3
80°-90°	271.3	5.7
90°-100°	189.9	4.0
100°-110°	141.7	3.0
110°-120°	106.8	2.3
120°-130°	79.6	1.7
130°-140°	55.9	1.2
140°-150°	33.8	0.7
150°-160°	16.2	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1016.1	21.5
0°-40°	1645.5	34.8
0°-60°	2918.6	61.7
0°-90°	4104.3	86.7
90°-120°	438.3	9.3
90°-150°	607.7	12.8
90°-180°	630.0	13.3
0°-180°	4734.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1316	1314	1301	1311	1307	125
15°	1258	1264	1267	1283	1281	354
25°	1143	1166	1166	1156	1147	526
35°	982	1018	998	1006	1009	614
45°	795	835	844	878	894	613
55°	591	641	690	746	766	530
65°	393	456	533	603	626	391
75°	201	279	387	468	498	215
85°	46	144	268	356	388	51
90°	1	102	224	310	340	3
95°	1	80	189	271	299	1
105°	2	57	146	212	236	2
115°	2	49	113	168	190	2
125°	2	42	96	138	156	2
135°	2	32	80	112	126	2
145°	3	23	55	86	96	2
155°	3	15	34	55	63	1
165°	4	10	18	24	32	1
175°	4	4	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.4	1311.4	1311.4	1311.4	1311.4
2.5°	1321.0	1317.8	1303.4	1311.4	1307.4
5°	1316.2	1313.8	1301.0	1310.6	1307.4
7.5°	1307.4	1306.6	1297.0	1308.2	1305.0
10°	1293.7	1296.2	1288.9	1304.2	1301.8
12.5°	1277.7	1282.5	1280.1	1297.0	1294.6
15°	1258.4	1264.1	1267.3	1283.3	1280.9
17.5°	1232.8	1243.2	1250.4	1263.3	1259.2
20°	1205.5	1219.9	1227.9	1234.4	1227.9
22.5°	1175.8	1195.0	1199.8	1196.6	1190.2
25°	1142.9	1166.1	1166.1	1155.7	1146.9
27.5°	1105.9	1134.8	1126.8	1114.8	1107.6
30°	1065.8	1100.3	1086.7	1073.0	1071.4
32.5°	1025.7	1061.8	1041.7	1038.5	1040.9
35°	981.5	1017.7	998.4	1006.4	1008.8
37.5°	937.4	973.5	960.7	972.7	979.9
40°	889.3	927.8	919.7	941.4	951.1
42.5°	841.9	882.0	881.2	909.3	923.8
45°	795.4	834.7	843.5	878.0	894.1
47.5°	744.8	784.9	806.6	846.7	862.8
50°	695.0	738.4	768.1	813.0	831.5
52.5°	643.7	689.4	730.3	780.1	799.4
55°	590.7	641.3	690.2	745.6	765.7
57.5°	543.3	594.7	652.5	709.5	732.8
60°	491.2	548.2	611.6	671.8	695.0
62.5°	443.8	502.4	573.0	636.4	661.3
65°	393.3	455.9	532.9	602.7	626.0
67.5°	346.7	410.9	495.2	565.8	591.5
70°	298.6	366.8	458.3	532.9	559.4
72.5°	248.8	321.0	421.4	500.8	528.1
75°	201.4	279.3	386.8	467.9	497.6
77.5°	157.3	239.2	355.5	439.0	467.9
80°	114.0	203.1	322.6	409.3	439.0
82.5°	75.4	171.8	296.1	382.8	414.1
85°	45.7	143.7	268.1	356.3	387.6
87.5°	20.9	120.4	245.6	333.1	363.6
90°	0.8	101.9	223.9	309.8	340.3
92.5°	0.8	89.1	206.3	289.7	319.4
95°	0.8	79.5	189.4	271.3	299.4
97.5°	0.8	73.0	176.6	253.6	280.9
100°	0.8	66.6	163.7	237.6	265.7
102.5°	1.6	61.0	154.1	223.1	249.6
105°	1.6	57.0	146.1	211.9	236.0
107.5°	1.6	54.6	137.2	200.6	223.1
110°	1.6	52.2	127.6	189.4	211.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	50.6	120.4	179.8	201.4
115°	1.6	49.0	113.2	168.5	190.2
117.5°	1.6	48.2	109.2	159.7	180.6
120°	2.4	45.7	104.3	151.7	171.8
122.5°	2.4	43.3	99.5	145.3	162.9
125°	2.4	41.7	95.5	138.0	155.7
127.5°	2.4	39.3	91.5	131.6	147.7
130°	2.4	36.9	88.3	125.2	140.5
132.5°	2.4	34.5	84.3	118.8	133.2
135°	2.4	32.1	79.5	112.4	126.0
137.5°	2.4	29.7	74.6	105.9	118.8
140°	2.4	27.3	68.2	99.5	111.6
142.5°	2.4	24.9	61.8	93.1	103.5
145°	3.2	23.3	55.4	85.9	96.3
147.5°	3.2	20.9	49.0	78.7	87.5
150°	3.2	19.3	44.1	71.4	79.5
152.5°	3.2	16.9	39.3	63.4	71.4
155°	3.2	15.2	33.7	54.6	63.4
157.5°	3.2	13.6	28.9	45.7	55.4
160°	3.2	12.8	24.9	37.7	47.4
162.5°	4.0	11.2	20.9	30.5	39.3
165°	4.0	9.6	17.7	24.1	32.1
167.5°	4.0	8.0	14.4	18.5	24.9
170°	4.0	6.4	11.2	12.8	19.3
172.5°	4.0	4.8	8.0	8.8	9.6
175°	4.0	4.0	4.8	4.8	2.4
177.5°	4.0	4.0	3.2	2.4	0.8
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)