

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: P565756

Luminaire Tested: **2SNX-44HL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565756
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-L840-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

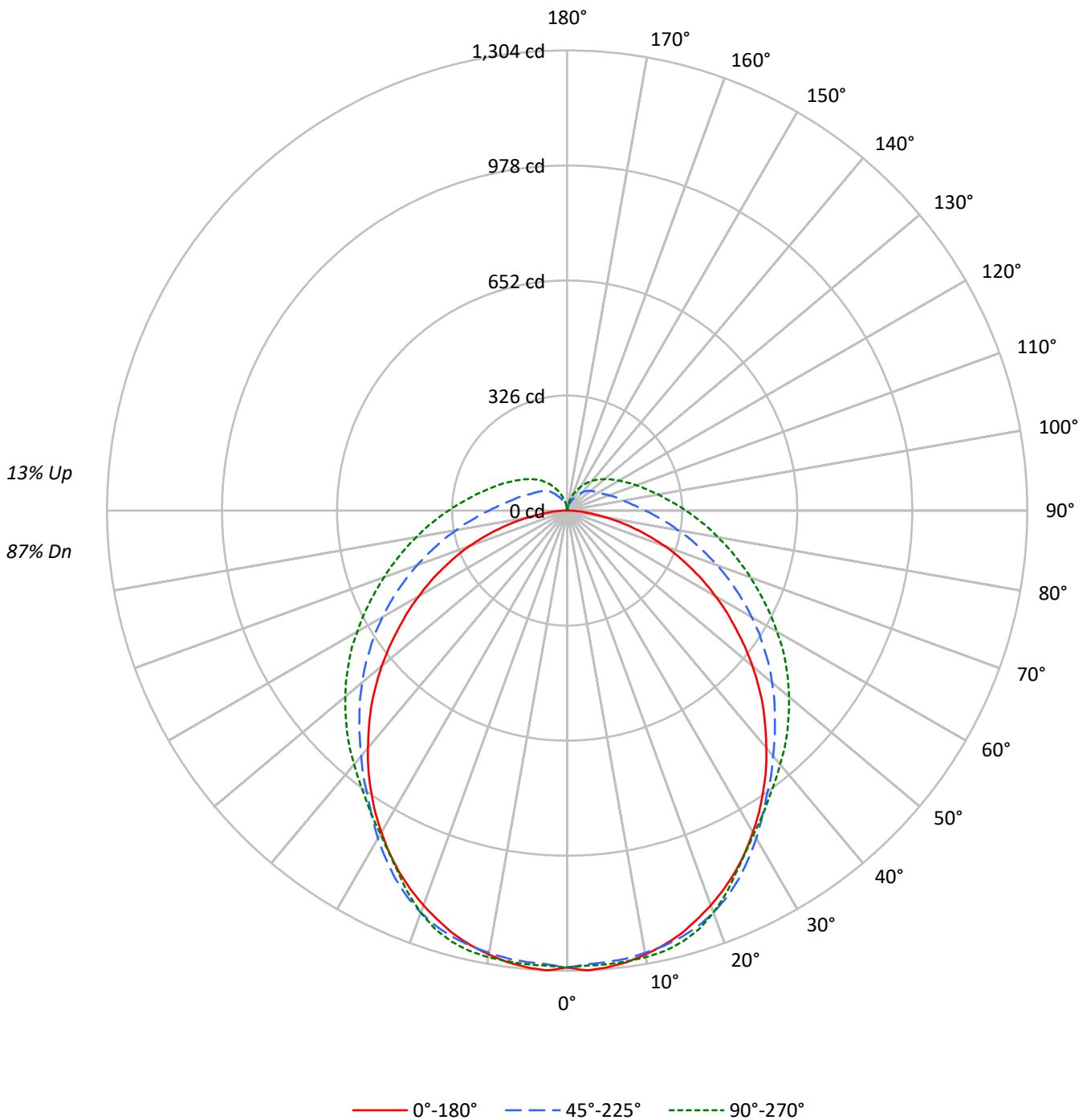
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4674.0 lumens
Efficiency: N/A
Efficacy: 150.3 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°	27874	27874	27874
5°	27879	26527	26357
10°	27519	25440	25141
15°	27087	24416	23915
20°	26464	23281	22352
25°	25801	21927	20517
30°	24957	20418	18989
35°	24064	18890	17845
40°	23061	17661	16922
45°	22069	16568	16124
50°	20906	15561	15321
55°	19561	14555	14535
60°	18248	13550	13712
65°	16781	12541	12959
70°	15099	11592	12277
75°	12619	10662	11716
80°	9471	9852	11238
85°	5718	9259	10966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	2.6
10°-20°	353.6	7.6
20°-30°	526.6	11.3
30°-40°	621.4	13.3
40°-50°	648.0	13.9
50°-60°	609.0	13.0
60°-70°	514.3	11.0
70°-80°	388.6	8.3
80°-90°	267.9	5.7
90°-100°	187.4	4.0
100°-110°	139.9	3.0
110°-120°	105.4	2.3
120°-130°	78.7	1.7
130°-140°	55.2	1.2
140°-150°	33.4	0.7
150°-160°	16.0	0.3
160°-170°	5.1	0.1
170°-180°	0.6	0.0
0°-30°	1003.3	21.5
0°-40°	1624.6	34.8
0°-60°	2881.6	61.7
0°-90°	4052.3	86.7
90°-120°	432.8	9.3
90°-150°	600.0	12.8
90°-180°	622.0	13.3
0°-180°	4674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1300	1297	1284	1294	1291	123
15°	1242	1248	1251	1267	1265	350
25°	1128	1151	1151	1141	1132	519
35°	969	1005	986	994	996	606
45°	785	824	833	867	883	605
55°	583	633	682	736	756	523
65°	388	450	526	595	618	386
75°	199	276	382	462	491	212
85°	45	142	265	352	383	51
90°	1	101	221	306	336	3
95°	1	78	187	268	296	1
105°	2	56	144	209	233	2
115°	2	48	112	166	188	2
125°	2	41	94	136	154	2
135°	2	32	78	111	124	2
145°	3	23	55	85	95	2
155°	3	15	33	54	63	1
165°	4	10	17	24	32	1
175°	4	4	5	5	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 2SNX-44HL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.8	1294.8	1294.8	1294.8	1294.8
2.5°	1304.3	1301.1	1286.9	1294.8	1290.8
5°	1299.5	1297.2	1284.5	1294.0	1290.8
7.5°	1290.8	1290.0	1280.5	1291.6	1288.4
10°	1277.4	1279.7	1272.6	1287.7	1285.3
12.5°	1261.5	1266.3	1263.9	1280.5	1278.1
15°	1242.5	1248.0	1251.2	1267.1	1264.7
17.5°	1217.1	1227.4	1234.6	1247.2	1243.3
20°	1190.2	1204.5	1212.4	1218.7	1212.4
22.5°	1160.9	1179.9	1184.6	1181.5	1175.1
25°	1128.4	1151.4	1151.4	1141.1	1132.3
27.5°	1091.9	1120.5	1112.5	1100.6	1093.5
30°	1052.3	1086.4	1072.9	1059.4	1057.9
32.5°	1012.7	1048.3	1028.5	1025.4	1027.7
35°	969.1	1004.8	985.7	993.7	996.0
37.5°	925.5	961.2	948.5	960.4	967.5
40°	878.0	916.0	908.1	929.5	939.0
42.5°	831.2	870.8	870.1	897.8	912.1
45°	785.3	824.1	832.8	866.9	882.7
47.5°	735.3	775.0	796.4	836.0	851.8
50°	686.2	729.0	758.3	802.7	820.9
52.5°	635.5	680.7	721.1	770.2	789.2
55°	583.2	633.1	681.5	736.1	756.0
57.5°	536.5	587.2	644.2	700.5	723.5
60°	485.0	541.2	603.8	663.2	686.2
62.5°	438.2	496.0	565.8	628.4	652.9
65°	388.3	450.1	526.2	595.1	618.1
67.5°	342.3	405.7	488.9	558.6	584.0
70°	294.8	362.1	452.5	526.2	552.3
72.5°	245.6	317.0	416.0	494.5	521.4
75°	198.9	275.8	381.9	462.0	491.3
77.5°	155.3	236.1	351.0	433.4	462.0
80°	112.5	200.5	318.5	404.1	433.4
82.5°	74.5	169.6	292.4	378.0	408.9
85°	45.2	141.8	264.7	351.8	382.7
87.5°	20.6	118.9	242.5	328.8	359.0
90°	0.8	100.6	221.1	305.9	336.0
92.5°	0.8	88.0	203.6	286.1	315.4
95°	0.8	78.4	187.0	267.8	295.6
97.5°	0.8	72.1	174.3	250.4	277.3
100°	0.8	65.8	161.7	234.6	262.3
102.5°	1.6	60.2	152.1	220.3	246.4
105°	1.6	56.3	144.2	209.2	233.0
107.5°	1.6	53.9	135.5	198.1	220.3
110°	1.6	51.5	126.0	187.0	209.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	49.9	118.9	177.5	198.9
115°	1.6	48.3	111.7	166.4	187.8
117.5°	1.6	47.5	107.8	157.7	178.3
120°	2.4	45.2	103.0	149.8	169.6
122.5°	2.4	42.8	98.3	143.4	160.9
125°	2.4	41.2	94.3	136.3	153.7
127.5°	2.4	38.8	90.3	130.0	145.8
130°	2.4	36.5	87.2	123.6	138.7
132.5°	2.4	34.1	83.2	117.3	131.5
135°	2.4	31.7	78.4	110.9	124.4
137.5°	2.4	29.3	73.7	104.6	117.3
140°	2.4	26.9	67.4	98.3	110.1
142.5°	2.4	24.6	61.0	91.9	102.2
145°	3.2	23.0	54.7	84.8	95.1
147.5°	3.2	20.6	48.3	77.7	86.4
150°	3.2	19.0	43.6	70.5	78.4
152.5°	3.2	16.6	38.8	62.6	70.5
155°	3.2	15.1	33.3	53.9	62.6
157.5°	3.2	13.5	28.5	45.2	54.7
160°	3.2	12.7	24.6	37.2	46.8
162.5°	4.0	11.1	20.6	30.1	38.8
165°	4.0	9.5	17.4	23.8	31.7
167.5°	4.0	7.9	14.3	18.2	24.6
170°	4.0	6.3	11.1	12.7	19.0
172.5°	4.0	4.8	7.9	8.7	9.5
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)