

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: P565768

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565768
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-L940-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

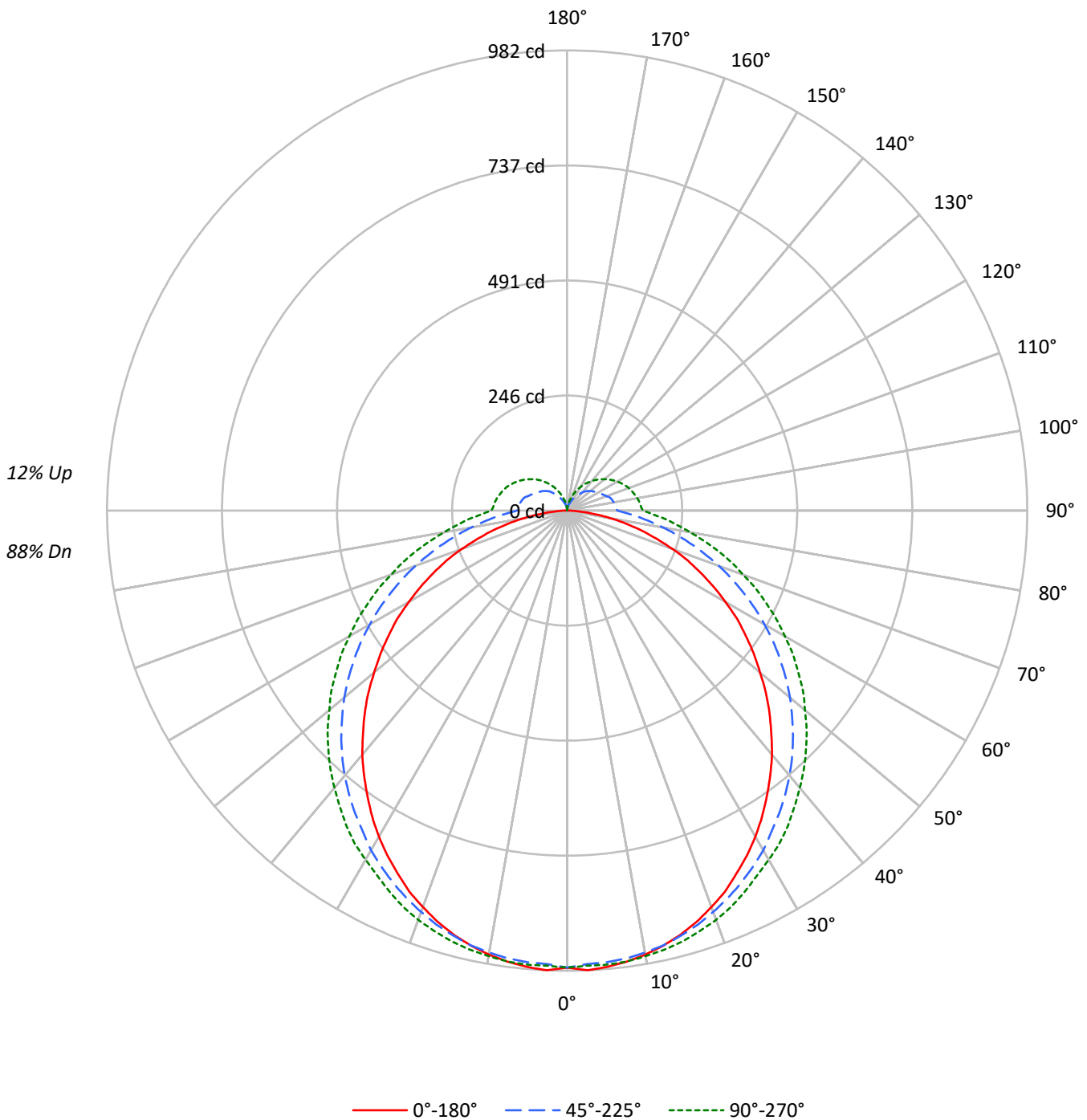
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.0 lumens
Efficiency: N/A
Efficacy: 112.9 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 (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

TEST NUMBER: P565768
CATALOG NUMBER: 2SNX-44HL-LW-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565768

CATALOG NUMBER: 2SNX-44HL-LW-UNV-L940-CD

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°	20994	20994	20994
5°	20973	19979	19864
10°	20725	19147	18888
15°	20420	18326	17998
20°	20014	17503	17136
25°	19549	16705	16256
30°	19052	15927	15444
35°	18452	15117	14715
40°	17861	14358	13923
45°	17168	13564	13169
50°	16375	12746	12366
55°	15590	11851	11571
60°	14681	10916	10716
65°	13591	9903	9833
70°	12225	8810	8873
75°	10373	7622	7957
80°	7897	6434	6908
85°	4567	5299	6029



TEST NUMBER: P565768

CATALOG NUMBER: 2SNX-44HL-LW-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	2.6
10°-20°	266.3	7.6
20°-30°	405.1	11.5
30°-40°	492.6	14.0
40°-50°	521.2	14.8
50°-60°	488.5	13.9
60°-70°	401.9	11.4
70°-80°	278.1	7.9
80°-90°	154.6	4.4
90°-100°	101.9	2.9
100°-110°	91.4	2.6
110°-120°	75.6	2.2
120°-130°	58.5	1.7
130°-140°	41.4	1.2
140°-150°	25.0	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	764.0	21.8
0°-40°	1256.7	35.8
0°-60°	2266.4	64.6
0°-90°	3101.0	88.3
90°-120°	268.8	7.7
90°-150°	393.6	11.2
90°-180°	410.0	11.7
0°-180°	3511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	978	976	967	975	973	93
15°	937	940	939	952	952	264
25°	855	867	877	896	897	394
35°	743	763	789	814	821	465
45°	611	643	682	712	721	471
55°	465	506	555	590	602	416
65°	314	360	416	456	469	312
75°	164	211	273	316	334	173
85°	36	90	152	194	210	42
90°	1	50	107	147	162	2
95°	1	48	104	142	156	0
105°	1	42	97	134	146	1
115°	1	36	82	119	132	1
125°	1	31	70	102	114	1
135°	1	24	59	84	94	1
145°	1	17	41	63	71	1
155°	2	12	25	40	47	1
165°	2	8	14	19	24	1
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565768

CATALOG NUMBER: 2SNX-44HL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.2	975.2	975.2	975.2	975.2
2.5°	981.8	978.8	968.6	975.2	972.2
5°	977.6	975.8	967.4	975.2	972.8
7.5°	971.0	970.4	963.8	972.8	970.4
10°	962.0	963.2	957.8	967.4	965.6
12.5°	950.6	952.4	950.0	960.8	959.6
15°	936.7	939.7	939.1	951.8	951.8
17.5°	919.9	924.1	926.5	940.9	940.9
20°	900.1	906.7	911.5	927.1	929.5
22.5°	880.2	888.0	895.3	911.5	915.1
25°	855.0	867.0	877.2	896.5	897.1
27.5°	830.3	843.5	857.4	876.0	877.8
30°	803.3	820.1	836.9	855.0	860.4
32.5°	774.4	793.0	811.7	835.7	842.9
35°	743.1	763.0	788.8	814.1	821.3
37.5°	711.9	734.1	764.2	790.0	796.7
40°	680.0	704.7	738.3	764.8	772.6
42.5°	644.5	674.6	710.7	738.9	747.9
45°	610.9	642.7	681.8	712.5	720.9
47.5°	575.4	609.1	651.1	683.6	693.2
50°	537.5	576.0	621.1	653.6	662.6
52.5°	502.0	541.1	588.6	622.3	634.9
55°	464.8	506.2	554.9	589.8	601.8
57.5°	429.9	469.6	521.9	556.8	571.8
60°	390.2	434.1	486.4	524.3	536.3
62.5°	352.9	397.4	451.5	490.6	504.4
65°	314.5	359.5	415.5	456.3	469.0
67.5°	278.4	322.9	380.0	420.3	436.5
70°	238.7	285.6	343.9	385.4	399.2
72.5°	199.6	248.3	307.8	352.3	368.0
75°	163.5	211.0	273.0	316.3	333.7
77.5°	128.7	176.8	239.3	283.8	298.8
80°	93.8	144.3	208.0	251.9	266.4
82.5°	61.9	114.8	178.0	221.9	237.5
85°	36.1	89.6	151.5	193.6	210.4
87.5°	15.6	67.9	126.9	168.3	182.2
90°	0.6	50.5	107.0	147.3	161.7
92.5°	0.6	49.3	104.6	144.3	158.1
95°	0.6	48.1	104.0	142.5	156.3
97.5°	0.6	47.5	102.8	141.3	154.5
100°	0.6	45.7	101.0	138.9	152.1
102.5°	0.6	43.3	99.2	136.5	149.1
105°	0.6	41.5	97.4	134.1	146.1
107.5°	0.6	39.7	94.4	131.1	143.1
110°	0.6	37.9	89.6	128.1	140.1



TEST NUMBER: P565768

CATALOG NUMBER: 2SNX-44HL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.3	86.0	123.9	136.5
115°	1.2	36.1	82.4	119.0	132.3
117.5°	1.2	35.5	79.4	114.2	128.1
120°	1.2	33.7	76.4	110.0	123.3
122.5°	1.2	31.9	73.4	105.8	119.0
125°	1.2	30.7	70.3	101.6	114.2
127.5°	1.2	28.9	67.9	97.4	108.8
130°	1.2	27.7	64.9	92.6	104.0
132.5°	1.2	25.9	61.9	87.8	98.6
135°	1.2	24.0	58.9	83.6	93.8
137.5°	1.2	21.6	55.3	78.8	88.4
140°	1.2	19.8	50.5	74.0	83.0
142.5°	1.2	18.6	45.7	68.5	77.0
145°	1.2	17.4	40.9	63.1	70.9
147.5°	1.2	16.2	36.7	57.7	64.9
150°	1.2	14.4	32.5	52.9	58.9
152.5°	1.8	13.2	28.9	46.9	52.9
155°	1.8	12.0	25.3	40.3	46.9
157.5°	1.8	10.8	21.6	33.7	40.9
160°	1.8	9.6	18.6	27.7	34.9
162.5°	1.8	9.0	16.2	22.8	29.5
165°	1.8	7.8	13.8	18.6	24.0
167.5°	1.8	6.0	11.4	14.4	19.8
170°	1.8	4.8	9.0	10.2	15.0
172.5°	1.8	3.6	6.6	7.2	7.8
175°	1.8	3.0	4.2	4.2	2.4
177.5°	1.8	2.4	2.4	2.4	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)