

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: P565713

Luminaire Tested: **2SNX-40HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565713
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-40HL-LN-UNV-L950-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

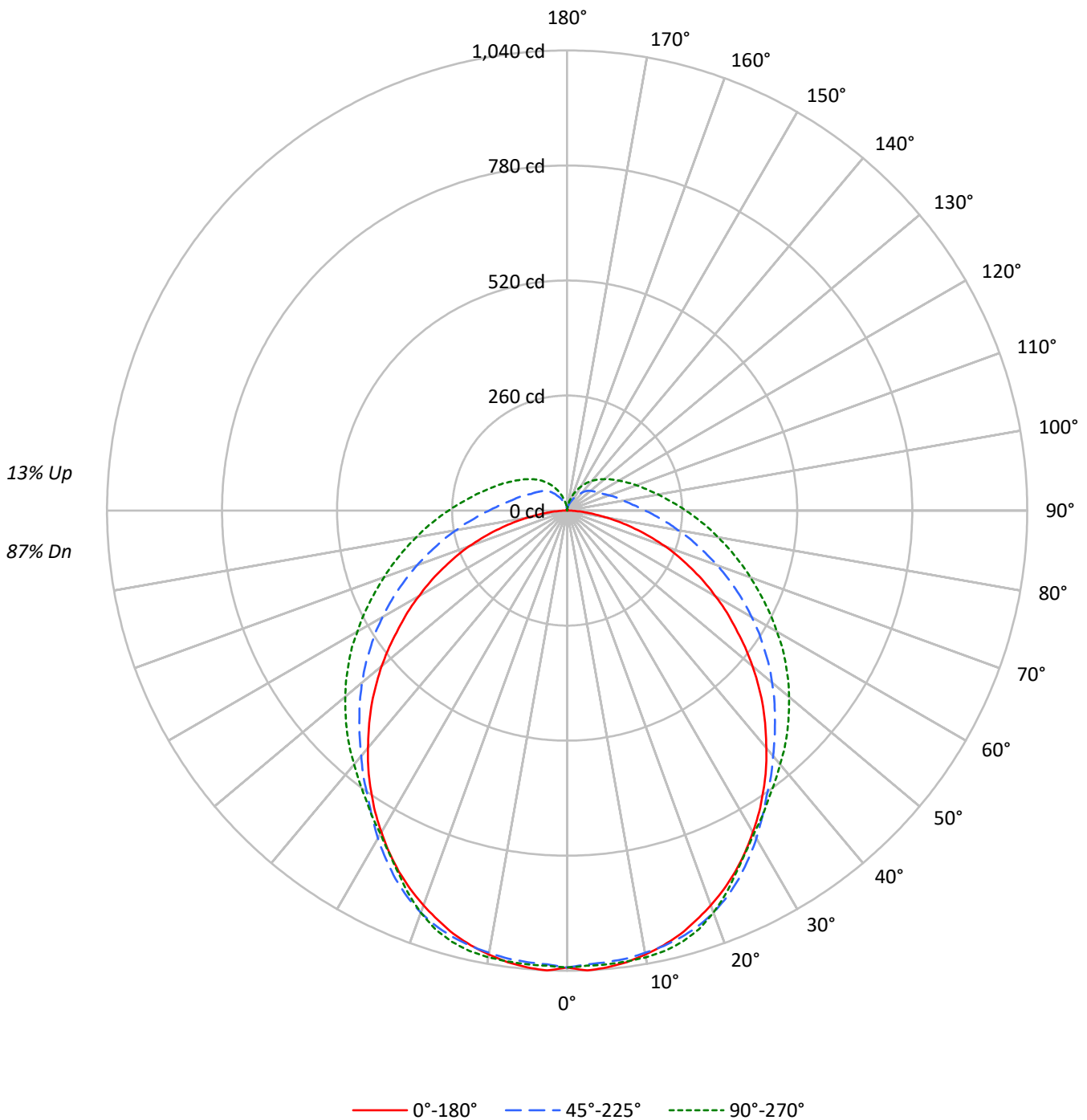
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3728.0 lumens
Efficiency: N/A
Efficacy: 135.3 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): 27.55
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°	22232	22232	22232
5°	22237	21158	21023
10°	21948	20290	20051
15°	21604	19475	19074
20°	21108	18569	17828
25°	20578	17488	16366
30°	19906	16287	15146
35°	19195	15067	14235
40°	18394	14086	13496
45°	17601	13216	12862
50°	16674	12411	12221
55°	15603	11607	11592
60°	14553	10808	10936
65°	13384	10003	10336
70°	12041	9245	9791
75°	10062	8504	9345
80°	7551	7860	8964
85°	4554	7384	8748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	2.6
10°-20°	282.1	7.6
20°-30°	420.0	11.3
30°-40°	495.6	13.3
40°-50°	516.9	13.9
50°-60°	485.7	13.0
60°-70°	410.2	11.0
70°-80°	309.9	8.3
80°-90°	213.6	5.7
90°-100°	149.5	4.0
100°-110°	111.6	3.0
110°-120°	84.1	2.3
120°-130°	62.7	1.7
130°-140°	44.0	1.2
140°-150°	26.6	0.7
150°-160°	12.7	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	800.2	21.5
0°-40°	1295.8	34.8
0°-60°	2298.4	61.7
0°-90°	3232.1	86.7
90°-120°	345.2	9.3
90°-150°	478.6	12.8
90°-180°	496.0	13.3
0°-180°	3728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1036	1035	1024	1032	1030	98
15°	991	995	998	1011	1009	279
25°	900	918	918	910	903	414
35°	773	801	786	793	794	483
45°	626	657	664	691	704	482
55°	465	505	544	587	603	417
65°	310	359	420	475	493	308
75°	159	220	305	368	392	169
85°	36	113	211	281	305	40
90°	1	80	176	244	268	2
95°	1	63	149	214	236	0
105°	1	45	115	167	186	1
115°	1	39	89	133	150	1
125°	2	33	75	109	123	2
135°	2	25	63	88	99	1
145°	2	18	44	68	76	1
155°	2	12	26	43	50	1
165°	3	8	14	19	25	1
175°	3	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1032.7	1032.7	1032.7	1032.7	1032.7
2.5°	1040.3	1037.8	1026.4	1032.7	1029.6
5°	1036.5	1034.6	1024.5	1032.1	1029.6
7.5°	1029.6	1028.9	1021.3	1030.2	1027.7
10°	1018.8	1020.7	1015.0	1027.0	1025.1
12.5°	1006.2	1010.0	1008.1	1021.3	1019.5
15°	991.0	995.4	998.0	1010.6	1008.7
17.5°	970.8	979.0	984.7	994.8	991.6
20°	949.3	960.7	967.0	972.1	967.0
22.5°	925.9	941.1	944.9	942.3	937.3
25°	900.0	918.3	918.3	910.1	903.2
27.5°	870.9	893.7	887.4	877.9	872.2
30°	839.3	866.5	855.8	845.0	843.8
32.5°	807.7	836.2	820.4	817.8	819.7
35°	773.0	801.4	786.2	792.6	794.5
37.5°	738.2	766.6	756.5	766.0	771.7
40°	700.3	730.6	724.3	741.4	748.9
42.5°	663.0	694.6	694.0	716.1	727.5
45°	626.3	657.3	664.3	691.4	704.1
47.5°	586.5	618.1	635.2	666.8	679.4
50°	547.3	581.5	604.8	640.2	654.8
52.5°	506.9	542.9	575.1	614.3	629.5
55°	465.2	505.0	543.5	587.1	602.9
57.5°	427.9	468.3	513.8	558.7	577.0
60°	386.8	431.7	481.6	529.0	547.3
62.5°	349.5	395.6	451.3	501.2	520.8
65°	309.7	359.0	419.7	474.6	493.0
67.5°	273.0	323.6	390.0	445.6	465.8
70°	235.1	288.8	360.9	419.7	440.5
72.5°	195.9	252.8	331.8	394.4	415.9
75°	158.6	219.9	304.6	368.5	391.9
77.5°	123.9	188.3	280.0	345.7	368.5
80°	89.7	159.9	254.1	322.3	345.7
82.5°	59.4	135.3	233.2	301.5	326.1
85°	36.0	113.1	211.1	280.6	305.3
87.5°	16.4	94.8	193.4	262.3	286.3
90°	0.6	80.3	176.3	244.0	268.0
92.5°	0.6	70.2	162.4	228.2	251.5
95°	0.6	62.6	149.2	213.6	235.7
97.5°	0.6	57.5	139.0	199.7	221.2
100°	0.6	52.5	128.9	187.1	209.2
102.5°	1.3	48.0	121.3	175.7	196.6
105°	1.3	44.9	115.0	166.9	185.8
107.5°	1.3	43.0	108.1	158.0	175.7
110°	1.3	41.1	100.5	149.2	166.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	39.8	94.8	141.6	158.6
115°	1.3	38.6	89.1	132.7	149.8
117.5°	1.3	37.9	86.0	125.8	142.2
120°	1.9	36.0	82.2	119.5	135.3
122.5°	1.9	34.1	78.4	114.4	128.3
125°	1.9	32.9	75.2	108.7	122.6
127.5°	1.9	31.0	72.1	103.7	116.3
130°	1.9	29.1	69.5	98.6	110.6
132.5°	1.9	27.2	66.4	93.5	104.9
135°	1.9	25.3	62.6	88.5	99.2
137.5°	1.9	23.4	58.8	83.4	93.5
140°	1.9	21.5	53.7	78.4	87.9
142.5°	1.9	19.6	48.7	73.3	81.5
145°	2.5	18.3	43.6	67.6	75.8
147.5°	2.5	16.4	38.6	61.9	68.9
150°	2.5	15.2	34.8	56.3	62.6
152.5°	2.5	13.3	31.0	49.9	56.3
155°	2.5	12.0	26.5	43.0	49.9
157.5°	2.5	10.7	22.8	36.0	43.6
160°	2.5	10.1	19.6	29.7	37.3
162.5°	3.2	8.8	16.4	24.0	31.0
165°	3.2	7.6	13.9	19.0	25.3
167.5°	3.2	6.3	11.4	14.5	19.6
170°	3.2	5.1	8.8	10.1	15.2
172.5°	3.2	3.8	6.3	7.0	7.6
175°	3.2	3.2	3.8	3.8	1.9
177.5°	3.2	3.2	2.5	1.9	0.6
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)