

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: P565710

Luminaire Tested: **2SNX-40HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565710
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-L930-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

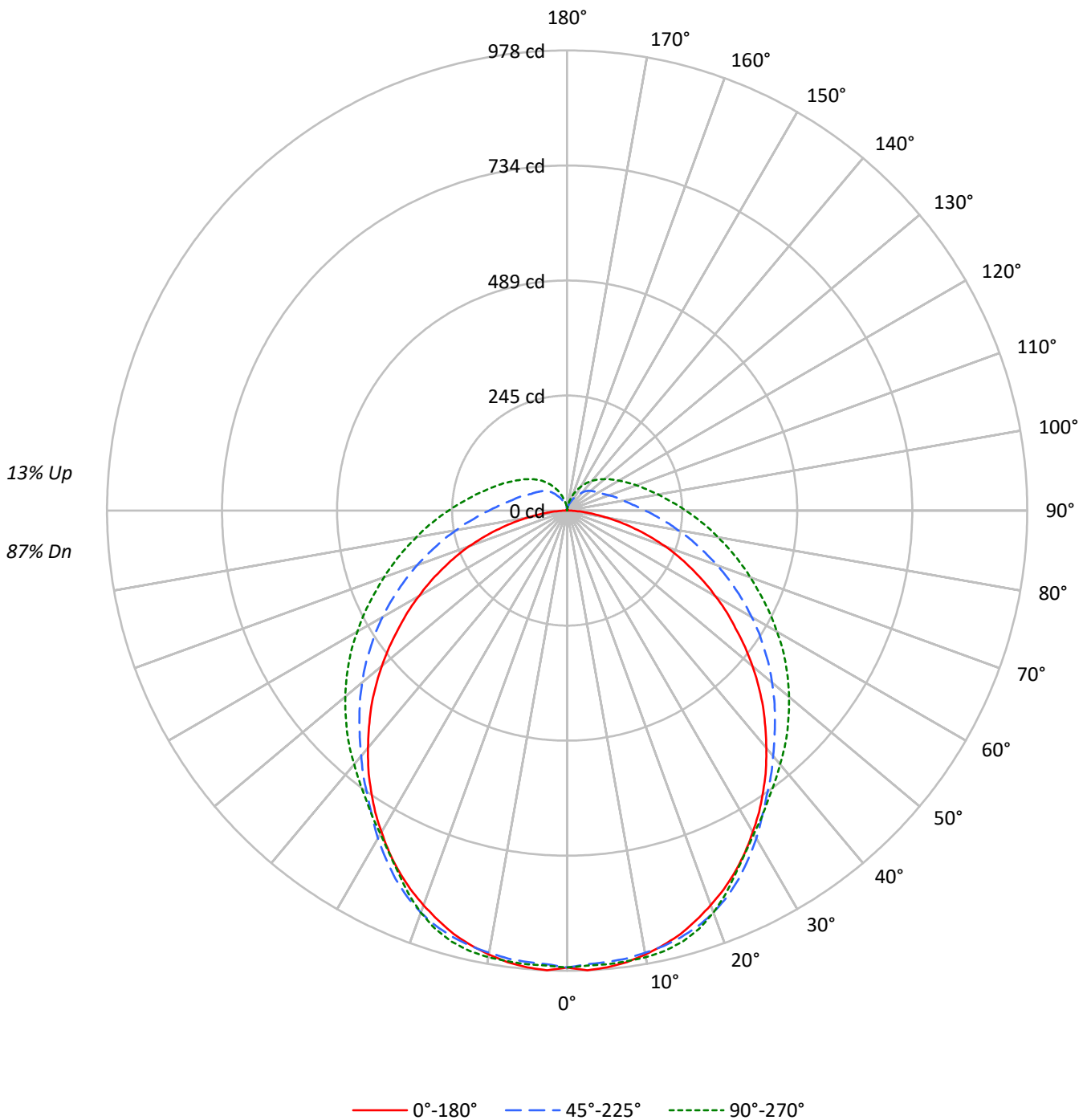
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3505.0 lumens
Efficiency: N/A
Efficacy: 127.2 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): 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°	20904	20904	20904
5°	20907	19892	19766
10°	20636	19077	18852
15°	20311	18310	17934
20°	19845	17459	16762
25°	19348	16442	15386
30°	18715	15312	14239
35°	18045	14166	13382
40°	17293	13244	12689
45°	16550	12424	12093
50°	15678	11670	11489
55°	14667	10913	10900
60°	13684	10161	10283
65°	12584	9405	9717
70°	11319	8692	9207
75°	9460	7996	8785
80°	7105	7390	8428
85°	4289	6943	8224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	2.6
10°-20°	265.2	7.6
20°-30°	394.9	11.3
30°-40°	466.0	13.3
40°-50°	485.9	13.9
50°-60°	456.7	13.0
60°-70°	385.7	11.0
70°-80°	291.4	8.3
80°-90°	200.9	5.7
90°-100°	140.6	4.0
100°-110°	104.9	3.0
110°-120°	79.1	2.3
120°-130°	59.0	1.7
130°-140°	41.4	1.2
140°-150°	25.0	0.7
150°-160°	12.0	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	752.3	21.5
0°-40°	1218.3	34.8
0°-60°	2160.9	61.7
0°-90°	3038.8	86.7
90°-120°	324.5	9.3
90°-150°	449.9	12.8
90°-180°	466.0	13.3
0°-180°	3505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	971	971	971	971	971	
5°	974	973	963	970	968	92
15°	932	936	938	950	948	262
25°	846	863	863	856	849	389
35°	727	754	739	745	747	454
45°	589	618	624	650	662	453
55°	437	475	511	552	567	392
65°	291	338	395	446	464	289
75°	149	207	286	346	368	159
85°	34	106	198	264	287	38
90°	1	76	166	229	252	2
95°	1	59	140	201	222	0
105°	1	42	108	157	175	1
115°	1	36	84	125	141	1
125°	2	31	71	102	115	2
135°	2	24	59	83	93	1
145°	2	17	41	64	71	1
155°	2	11	25	40	47	1
165°	3	7	13	18	24	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°	971.0	971.0	971.0	971.0	971.0
2.5°	978.1	975.7	965.0	971.0	968.0
5°	974.5	972.7	963.2	970.4	968.0
7.5°	968.0	967.4	960.3	968.6	966.2
10°	957.9	959.7	954.3	965.6	963.8
12.5°	946.0	949.6	947.8	960.3	958.5
15°	931.7	935.9	938.3	950.2	948.4
17.5°	912.7	920.4	925.8	935.3	932.3
20°	892.5	903.2	909.2	913.9	909.2
22.5°	870.5	884.8	888.4	886.0	881.2
25°	846.2	863.4	863.4	855.7	849.1
27.5°	818.8	840.2	834.3	825.4	820.0
30°	789.1	814.7	804.6	794.5	793.3
32.5°	759.4	786.1	771.3	768.9	770.7
35°	726.7	753.5	739.2	745.1	746.9
37.5°	694.0	720.8	711.3	720.2	725.5
40°	658.4	686.9	681.0	697.0	704.1
42.5°	623.3	653.0	652.4	673.2	683.9
45°	588.9	618.0	624.5	650.1	662.0
47.5°	551.4	581.1	597.2	626.9	638.8
50°	514.6	546.7	568.7	601.9	615.6
52.5°	476.6	510.4	540.7	577.6	591.8
55°	437.3	474.8	511.0	552.0	566.9
57.5°	402.3	440.3	483.1	525.3	542.5
60°	363.7	405.9	452.8	497.4	514.6
62.5°	328.6	372.0	424.3	471.2	489.6
65°	291.2	337.5	394.6	446.3	463.5
67.5°	256.7	304.2	366.6	418.9	437.9
70°	221.0	271.6	339.3	394.6	414.2
72.5°	184.2	237.7	312.0	370.8	391.0
75°	149.1	206.8	286.4	346.4	368.4
77.5°	116.5	177.1	263.2	325.0	346.4
80°	84.4	150.3	238.9	303.1	325.0
82.5°	55.9	127.2	219.3	283.4	306.6
85°	33.9	106.4	198.5	263.8	287.0
87.5°	15.4	89.1	181.8	246.6	269.2
90°	0.6	75.5	165.8	229.4	251.9
92.5°	0.6	66.0	152.7	214.5	236.5
95°	0.6	58.8	140.2	200.8	221.6
97.5°	0.6	54.1	130.7	187.8	208.0
100°	0.6	49.3	121.2	175.9	196.7
102.5°	1.2	45.2	114.1	165.2	184.8
105°	1.2	42.2	108.1	156.9	174.7
107.5°	1.2	40.4	101.6	148.6	165.2
110°	1.2	38.6	94.5	140.2	156.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	37.4	89.1	133.1	149.1
115°	1.2	36.2	83.8	124.8	140.8
117.5°	1.2	35.7	80.8	118.2	133.7
120°	1.8	33.9	77.2	112.3	127.2
122.5°	1.8	32.1	73.7	107.6	120.6
125°	1.8	30.9	70.7	102.2	115.3
127.5°	1.8	29.1	67.7	97.5	109.3
130°	1.8	27.3	65.4	92.7	104.0
132.5°	1.8	25.6	62.4	87.9	98.6
135°	1.8	23.8	58.8	83.2	93.3
137.5°	1.8	22.0	55.3	78.4	87.9
140°	1.8	20.2	50.5	73.7	82.6
142.5°	1.8	18.4	45.8	68.9	76.7
145°	2.4	17.2	41.0	63.6	71.3
147.5°	2.4	15.4	36.2	58.2	64.8
150°	2.4	14.3	32.7	52.9	58.8
152.5°	2.4	12.5	29.1	46.9	52.9
155°	2.4	11.3	25.0	40.4	46.9
157.5°	2.4	10.1	21.4	33.9	41.0
160°	2.4	9.5	18.4	27.9	35.1
162.5°	3.0	8.3	15.4	22.6	29.1
165°	3.0	7.1	13.1	17.8	23.8
167.5°	3.0	5.9	10.7	13.7	18.4
170°	3.0	4.8	8.3	9.5	14.3
172.5°	3.0	3.6	5.9	6.5	7.1
175°	3.0	3.0	3.6	3.6	1.8
177.5°	3.0	3.0	2.4	1.8	0.6
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)