

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: P565712

Luminaire Tested: **2SNX-40HL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565712
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-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

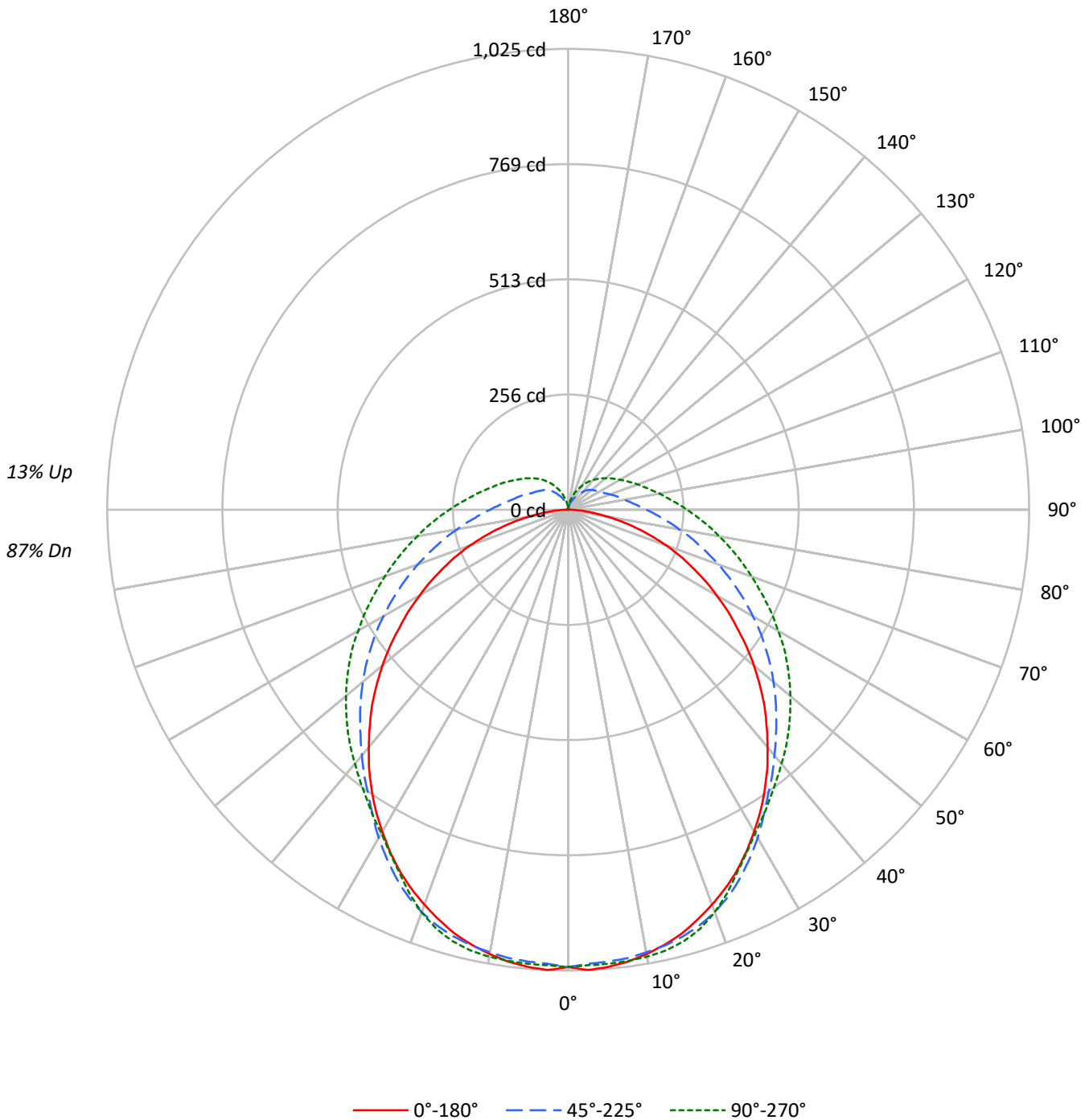
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3672.0 lumens
Efficiency: N/A
Efficacy: 133.3 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 (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

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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°	21898	21898	21898
5°	21902	20840	20707
10°	21619	19987	19750
15°	21279	19182	18788
20°	20790	18291	17560
25°	20270	17225	16120
30°	19607	16041	14918
35°	18907	14841	14020
40°	18118	13874	13294
45°	17337	13017	12668
50°	16424	12227	12036
55°	15368	11434	11419
60°	14335	10646	10772
65°	13181	9853	10181
70°	11862	9107	9645
75°	9916	8378	9205
80°	7442	7743	8829
85°	4491	7272	8616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	2.6
10°-20°	277.8	7.6
20°-30°	413.7	11.3
30°-40°	488.2	13.3
40°-50°	509.1	13.9
50°-60°	478.4	13.0
60°-70°	404.0	11.0
70°-80°	305.3	8.3
80°-90°	210.4	5.7
90°-100°	147.3	4.0
100°-110°	109.9	3.0
110°-120°	82.8	2.3
120°-130°	61.8	1.7
130°-140°	43.4	1.2
140°-150°	26.2	0.7
150°-160°	12.5	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	788.2	21.5
0°-40°	1276.3	34.8
0°-60°	2263.9	61.7
0°-90°	3183.6	86.7
90°-120°	340.0	9.3
90°-150°	471.4	12.8
90°-180°	488.0	13.3
0°-180°	3672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1021	1019	1009	1017	1014	97
15°	976	980	983	995	994	275
25°	886	904	904	896	890	408
35°	761	789	774	781	782	476
45°	617	647	654	681	694	475
55°	458	497	535	578	594	411
65°	305	354	413	468	486	303
75°	156	217	300	363	386	166
85°	36	111	208	276	301	40
90°	1	79	174	240	264	2
95°	1	62	147	210	232	0
105°	1	44	113	164	183	1
115°	1	38	88	131	148	1
125°	2	32	74	107	121	2
135°	2	25	62	87	98	1
145°	2	18	43	67	75	1
155°	2	12	26	42	49	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°	1017.2	1017.2	1017.2	1017.2	1017.2
2.5°	1024.7	1022.2	1011.0	1017.2	1014.1
5°	1020.9	1019.1	1009.1	1016.6	1014.1
7.5°	1014.1	1013.5	1006.0	1014.7	1012.2
10°	1003.5	1005.4	999.8	1011.6	1009.7
12.5°	991.1	994.8	992.9	1006.0	1004.1
15°	976.1	980.5	983.0	995.4	993.6
17.5°	956.2	964.3	969.9	979.9	976.7
20°	935.0	946.2	952.5	957.4	952.5
22.5°	912.0	926.9	930.7	928.2	923.2
25°	886.5	904.5	904.5	896.4	889.6
27.5°	857.8	880.3	874.0	864.7	859.1
30°	826.7	853.5	842.9	832.3	831.1
32.5°	795.6	823.6	808.0	805.6	807.4
35°	761.4	789.4	774.4	780.7	782.5
37.5°	727.1	755.1	745.2	754.5	760.1
40°	689.8	719.6	713.4	730.2	737.7
42.5°	653.0	684.2	683.5	705.3	716.5
45°	616.9	647.4	654.3	681.0	693.5
47.5°	577.7	608.8	625.6	656.8	669.2
50°	539.1	572.7	595.8	630.6	644.9
52.5°	499.3	534.8	566.5	605.1	620.0
55°	458.2	497.4	535.4	578.3	593.9
57.5°	421.5	461.3	506.1	550.3	568.4
60°	381.0	425.2	474.4	521.1	539.1
62.5°	344.3	389.7	444.5	493.7	513.0
65°	305.0	353.6	413.4	467.5	485.6
67.5°	268.9	318.7	384.1	438.9	458.8
70°	231.6	284.5	355.5	413.4	433.9
72.5°	193.0	249.0	326.8	388.5	409.6
75°	156.3	216.6	300.1	362.9	386.0
77.5°	122.0	185.5	275.8	340.5	362.9
80°	88.4	157.5	250.3	317.5	340.5
82.5°	58.5	133.2	229.7	296.9	321.2
85°	35.5	111.4	207.9	276.4	300.7
87.5°	16.2	93.4	190.5	258.3	282.0
90°	0.6	79.1	173.7	240.3	264.0
92.5°	0.6	69.1	160.0	224.7	247.8
95°	0.6	61.6	146.9	210.4	232.2
97.5°	0.6	56.7	137.0	196.7	217.9
100°	0.6	51.7	127.0	184.3	206.1
102.5°	1.2	47.3	119.5	173.1	193.6
105°	1.2	44.2	113.3	164.3	183.0
107.5°	1.2	42.3	106.5	155.6	173.1
110°	1.2	40.5	99.0	146.9	164.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	39.2	93.4	139.4	156.3
115°	1.2	38.0	87.8	130.7	147.5
117.5°	1.2	37.4	84.7	123.9	140.1
120°	1.9	35.5	80.9	117.7	133.2
122.5°	1.9	33.6	77.2	112.7	126.4
125°	1.9	32.4	74.1	107.1	120.8
127.5°	1.9	30.5	71.0	102.1	114.5
130°	1.9	28.6	68.5	97.1	108.9
132.5°	1.9	26.8	65.4	92.1	103.3
135°	1.9	24.9	61.6	87.2	97.7
137.5°	1.9	23.0	57.9	82.2	92.1
140°	1.9	21.2	52.9	77.2	86.5
142.5°	1.9	19.3	47.9	72.2	80.3
145°	2.5	18.1	43.0	66.6	74.7
147.5°	2.5	16.2	38.0	61.0	67.9
150°	2.5	14.9	34.2	55.4	61.6
152.5°	2.5	13.1	30.5	49.2	55.4
155°	2.5	11.8	26.1	42.3	49.2
157.5°	2.5	10.6	22.4	35.5	43.0
160°	2.5	10.0	19.3	29.3	36.7
162.5°	3.1	8.7	16.2	23.7	30.5
165°	3.1	7.5	13.7	18.7	24.9
167.5°	3.1	6.2	11.2	14.3	19.3
170°	3.1	5.0	8.7	10.0	14.9
172.5°	3.1	3.7	6.2	6.8	7.5
175°	3.1	3.1	3.7	3.7	1.9
177.5°	3.1	3.1	2.5	1.9	0.6
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)