

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: P565696

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565696
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-40HL-FDL-UNV-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

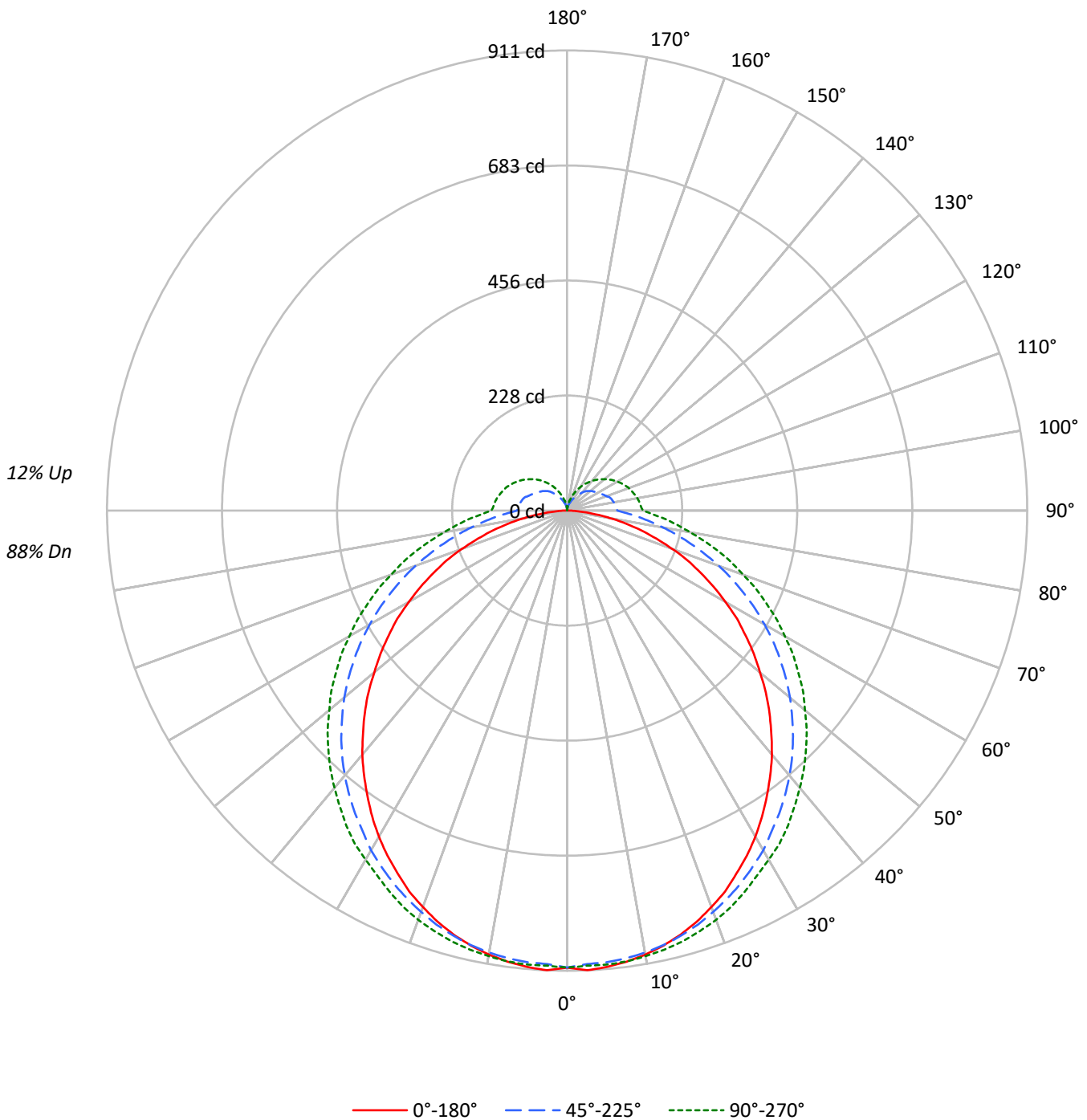
Lumens per Lamp: N/A
Luminaire Lumens: 3257.1 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

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	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°	19476	19476	19476
5°	19563	19171	19221
10°	19436	18979	19021
15°	19260	18751	18836
20°	18985	18478	18625
25°	18658	18205	18342
30°	18304	17928	18098
35°	17857	17598	17931
40°	17423	17321	17670
45°	16901	17002	17450
50°	16294	16665	17173
55°	15713	16246	16926
60°	15043	15799	16622
65°	14223	15286	16324
70°	13181	14718	15987
75°	11708	14089	15876
80°	9646	13658	15748
85°	6683	13806	16597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	2.6
10°-20°	247.1	7.6
20°-30°	375.8	11.5
30°-40°	457.0	14.0
40°-50°	483.5	14.8
50°-60°	453.2	13.9
60°-70°	372.8	11.4
70°-80°	258.0	7.9
80°-90°	143.4	4.4
90°-100°	94.5	2.9
100°-110°	84.7	2.6
110°-120°	70.1	2.2
120°-130°	54.2	1.7
130°-140°	38.4	1.2
140°-150°	23.2	0.7
150°-160°	11.1	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	708.8	21.8
0°-40°	1165.8	35.8
0°-60°	2102.4	64.5
0°-90°	2876.7	88.3
90°-120°	249.4	7.7
90°-150°	365.2	11.2
90°-180°	380.0	11.7
0°-180°	3257.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	907	905	897	905	902	86
15°	869	872	871	883	883	245
25°	793	804	814	832	832	366
35°	689	708	732	755	762	431
45°	567	596	632	661	669	437
55°	431	470	515	547	558	386
65°	292	334	385	423	435	289
75°	152	196	253	293	310	161
85°	34	83	141	180	195	39
90°	1	47	99	137	150	2
95°	1	45	96	132	145	0
105°	1	38	90	124	136	1
115°	1	34	76	110	123	1
125°	1	28	65	94	106	1
135°	1	22	55	78	87	1
145°	1	16	38	59	66	1
155°	2	11	23	37	44	1
165°	2	7	13	17	22	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.7	904.7	904.7	904.7	904.7
2.5°	910.8	908.0	898.5	904.7	901.9
5°	906.9	905.2	897.4	904.7	902.4
7.5°	900.8	900.2	894.1	902.4	900.2
10°	892.4	893.5	888.5	897.4	895.7
12.5°	881.8	883.5	881.2	891.3	890.2
15°	869.0	871.8	871.2	882.9	882.9
17.5°	853.4	857.3	859.5	872.9	872.9
20°	835.0	841.1	845.5	860.0	862.3
22.5°	816.5	823.8	830.5	845.5	848.9
25°	793.1	804.3	813.8	831.6	832.2
27.5°	770.3	782.5	795.3	812.6	814.3
30°	745.2	760.8	776.4	793.1	798.1
32.5°	718.4	735.7	753.0	775.3	782.0
35°	689.4	707.8	731.8	755.2	761.9
37.5°	660.4	681.0	708.9	732.9	739.0
40°	630.8	653.7	684.9	709.5	716.7
42.5°	597.9	625.8	659.3	685.5	693.8
45°	566.7	596.2	632.5	660.9	668.7
47.5°	533.8	565.0	604.0	634.2	643.1
50°	498.6	534.3	576.2	606.3	614.6
52.5°	465.7	502.0	546.0	577.3	589.0
55°	431.1	469.6	514.8	547.2	558.3
57.5°	398.8	435.6	484.1	516.5	530.4
60°	362.0	402.7	451.2	486.4	497.5
62.5°	327.4	368.7	418.9	455.1	468.0
65°	291.7	333.5	385.4	423.3	435.0
67.5°	258.2	299.5	352.5	389.9	404.9
70°	221.4	264.9	319.0	357.5	370.3
72.5°	185.2	230.4	285.6	326.8	341.3
75°	151.7	195.8	253.2	293.4	309.6
77.5°	119.4	164.0	222.0	263.3	277.2
80°	87.0	133.9	193.0	233.7	247.1
82.5°	57.4	106.5	165.1	205.8	220.3
85°	33.5	83.1	140.6	179.6	195.2
87.5°	14.5	63.0	117.7	156.2	169.0
90°	0.6	46.9	99.3	136.6	150.0
92.5°	0.6	45.7	97.0	133.9	146.7
95°	0.6	44.6	96.5	132.2	145.0
97.5°	0.6	44.1	95.4	131.1	143.3
100°	0.6	42.4	93.7	128.8	141.1
102.5°	0.6	40.2	92.0	126.6	138.3
105°	0.6	38.5	90.4	124.4	135.5
107.5°	0.6	36.8	87.6	121.6	132.7
110°	0.6	35.1	83.1	118.8	130.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.6	79.8	114.9	126.6
115°	1.1	33.5	76.4	110.4	122.7
117.5°	1.1	32.9	73.6	106.0	118.8
120°	1.1	31.2	70.8	102.1	114.3
122.5°	1.1	29.6	68.0	98.2	110.4
125°	1.1	28.4	65.3	94.3	106.0
127.5°	1.1	26.8	63.0	90.4	101.0
130°	1.1	25.7	60.2	85.9	96.5
132.5°	1.1	24.0	57.4	81.4	91.5
135°	1.1	22.3	54.7	77.5	87.0
137.5°	1.1	20.1	51.3	73.1	82.0
140°	1.1	18.4	46.9	68.6	77.0
142.5°	1.1	17.3	42.4	63.6	71.4
145°	1.1	16.2	37.9	58.6	65.8
147.5°	1.1	15.1	34.0	53.5	60.2
150°	1.1	13.4	30.1	49.1	54.7
152.5°	1.7	12.3	26.8	43.5	49.1
155°	1.7	11.2	23.4	37.4	43.5
157.5°	1.7	10.0	20.1	31.2	37.9
160°	1.7	8.9	17.3	25.7	32.3
162.5°	1.7	8.4	15.1	21.2	27.3
165°	1.7	7.3	12.8	17.3	22.3
167.5°	1.7	5.6	10.6	13.4	18.4
170°	1.7	4.5	8.4	9.5	13.9
172.5°	1.7	3.3	6.1	6.7	7.3
175°	1.7	2.8	3.9	3.9	2.2
177.5°	1.7	2.2	2.2	2.2	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)