

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: P565720

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565720
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-LW-UNV-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

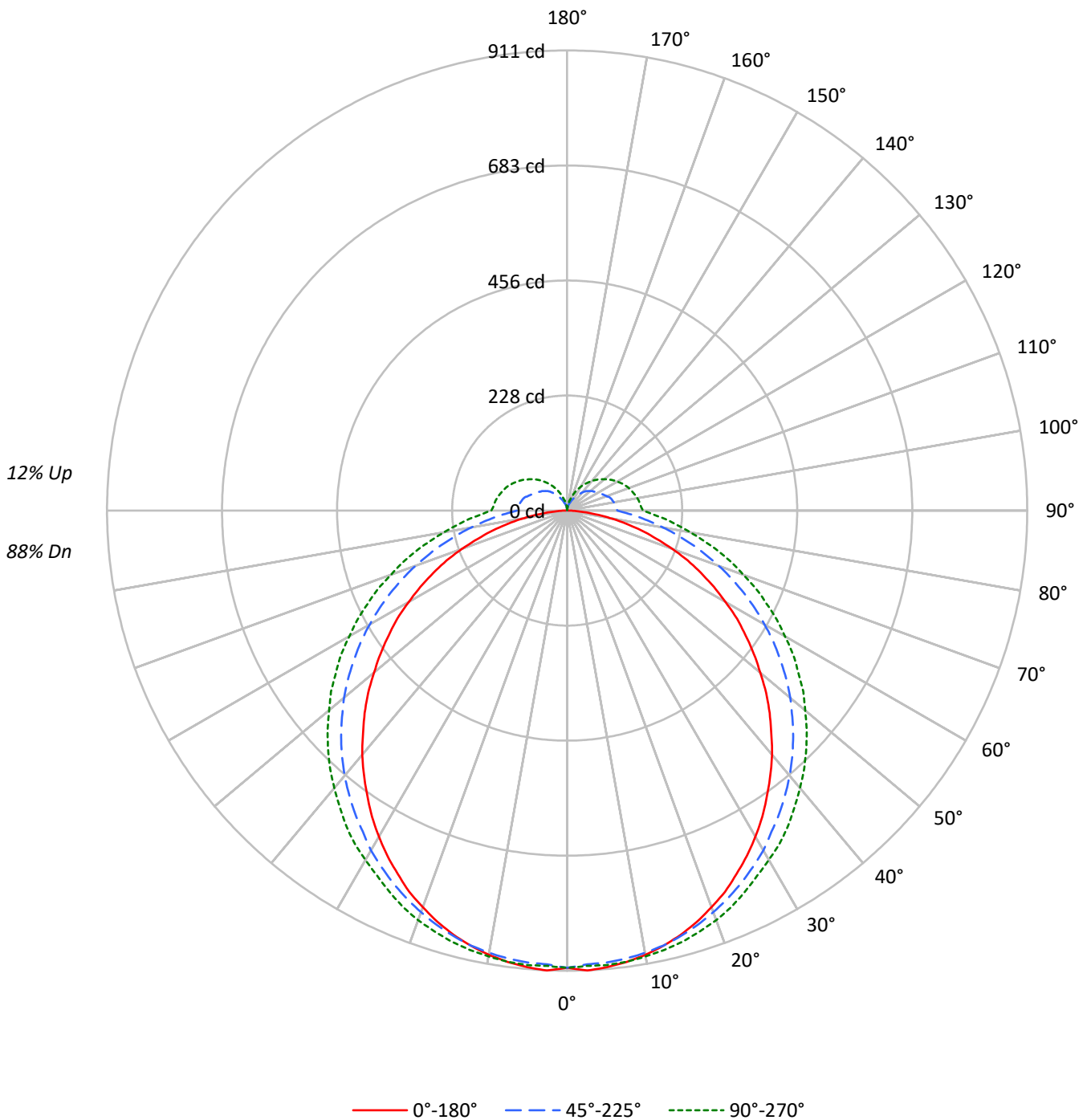
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3259.0 lumens
Efficiency: N/A
Efficacy: 118.3 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): 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°	19487	19487	19487
5°	19469	18545	18438
10°	19236	17772	17532
15°	18955	17011	16706
20°	18577	16247	15907
25°	18146	15507	15089
30°	17683	14785	14334
35°	17129	14032	13660
40°	16579	13328	12923
45°	15934	12591	12224
50°	15199	11830	11478
55°	14469	11001	10740
60°	13628	10132	9947
65°	12615	9190	9126
70°	11350	8177	8238
75°	9631	7075	7385
80°	7333	5973	6410
85°	4238	4918	5596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	2.6
10°-20°	247.2	7.6
20°-30°	376.1	11.5
30°-40°	457.3	14.0
40°-50°	483.8	14.8
50°-60°	453.5	13.9
60°-70°	373.0	11.4
70°-80°	258.1	7.9
80°-90°	143.5	4.4
90°-100°	94.6	2.9
100°-110°	84.8	2.6
110°-120°	70.2	2.2
120°-130°	54.3	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°	709.2	21.8
0°-40°	1166.5	35.8
0°-60°	2103.7	64.6
0°-90°	2878.4	88.3
90°-120°	249.6	7.7
90°-150°	365.4	11.2
90°-180°	381.0	11.7
0°-180°	3259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	908	906	898	905	903	86
15°	870	872	872	884	884	245
25°	794	805	814	832	833	366
35°	690	708	732	756	762	432
45°	567	597	633	661	669	437
55°	431	470	515	548	559	386
65°	292	334	386	424	435	289
75°	152	196	253	294	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°	905.2	905.2	905.2	905.2	905.2
2.5°	911.4	908.6	899.1	905.2	902.4
5°	907.5	905.8	898.0	905.2	903.0
7.5°	901.3	900.8	894.6	903.0	900.8
10°	892.9	894.1	889.0	898.0	896.3
12.5°	882.3	884.0	881.8	891.8	890.7
15°	869.5	872.3	871.7	883.5	883.5
17.5°	853.9	857.8	860.0	873.4	873.4
20°	835.5	841.6	846.1	860.6	862.8
22.5°	817.0	824.3	831.0	846.1	849.4
25°	793.6	804.8	814.3	832.1	832.7
27.5°	770.7	783.0	795.8	813.1	814.8
30°	745.6	761.2	776.9	793.6	798.6
32.5°	718.8	736.1	753.4	775.7	782.4
35°	689.8	708.2	732.2	755.7	762.4
37.5°	660.8	681.4	709.3	733.3	739.5
40°	631.2	654.1	685.3	709.9	717.1
42.5°	598.3	626.2	659.7	685.9	694.3
45°	567.0	596.6	632.9	661.3	669.2
47.5°	534.1	565.3	604.4	634.5	643.5
50°	498.9	534.7	576.5	606.6	615.0
52.5°	466.0	502.3	546.4	577.6	589.3
55°	431.4	469.9	515.1	547.5	558.6
57.5°	399.0	435.9	484.4	516.8	530.7
60°	362.2	402.9	451.5	486.7	497.8
62.5°	327.6	368.9	419.1	455.4	468.2
65°	291.9	333.7	385.6	423.6	435.3
67.5°	258.4	299.7	352.7	390.1	405.2
70°	221.6	265.1	319.2	357.7	370.6
72.5°	185.3	230.5	285.7	327.0	341.6
75°	151.8	195.9	253.4	293.6	309.7
77.5°	119.4	164.1	222.1	263.4	277.4
80°	87.1	133.9	193.1	233.8	247.2
82.5°	57.5	106.6	165.2	205.9	220.4
85°	33.5	83.2	140.6	179.7	195.3
87.5°	14.5	63.1	117.8	156.3	169.1
90°	0.6	46.9	99.3	136.7	150.1
92.5°	0.6	45.8	97.1	133.9	146.8
95°	0.6	44.6	96.5	132.3	145.1
97.5°	0.6	44.1	95.4	131.2	143.4
100°	0.6	42.4	93.8	128.9	141.2
102.5°	0.6	40.2	92.1	126.7	138.4
105°	0.6	38.5	90.4	124.5	135.6
107.5°	0.6	36.8	87.6	121.7	132.8
110°	0.6	35.2	83.2	118.9	130.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.6	79.8	115.0	126.7
115°	1.1	33.5	76.5	110.5	122.8
117.5°	1.1	32.9	73.7	106.0	118.9
120°	1.1	31.3	70.9	102.1	114.4
122.5°	1.1	29.6	68.1	98.2	110.5
125°	1.1	28.5	65.3	94.3	106.0
127.5°	1.1	26.8	63.1	90.4	101.0
130°	1.1	25.7	60.3	85.9	96.5
132.5°	1.1	24.0	57.5	81.5	91.5
135°	1.1	22.3	54.7	77.6	87.1
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	38.0	58.6	65.9
147.5°	1.1	15.1	34.0	53.6	60.3
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	31.3	38.0
160°	1.7	8.9	17.3	25.7	32.4
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	14.0
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)