

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: P565714

Luminaire Tested: **2SNX-40HL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565714
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-L830-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

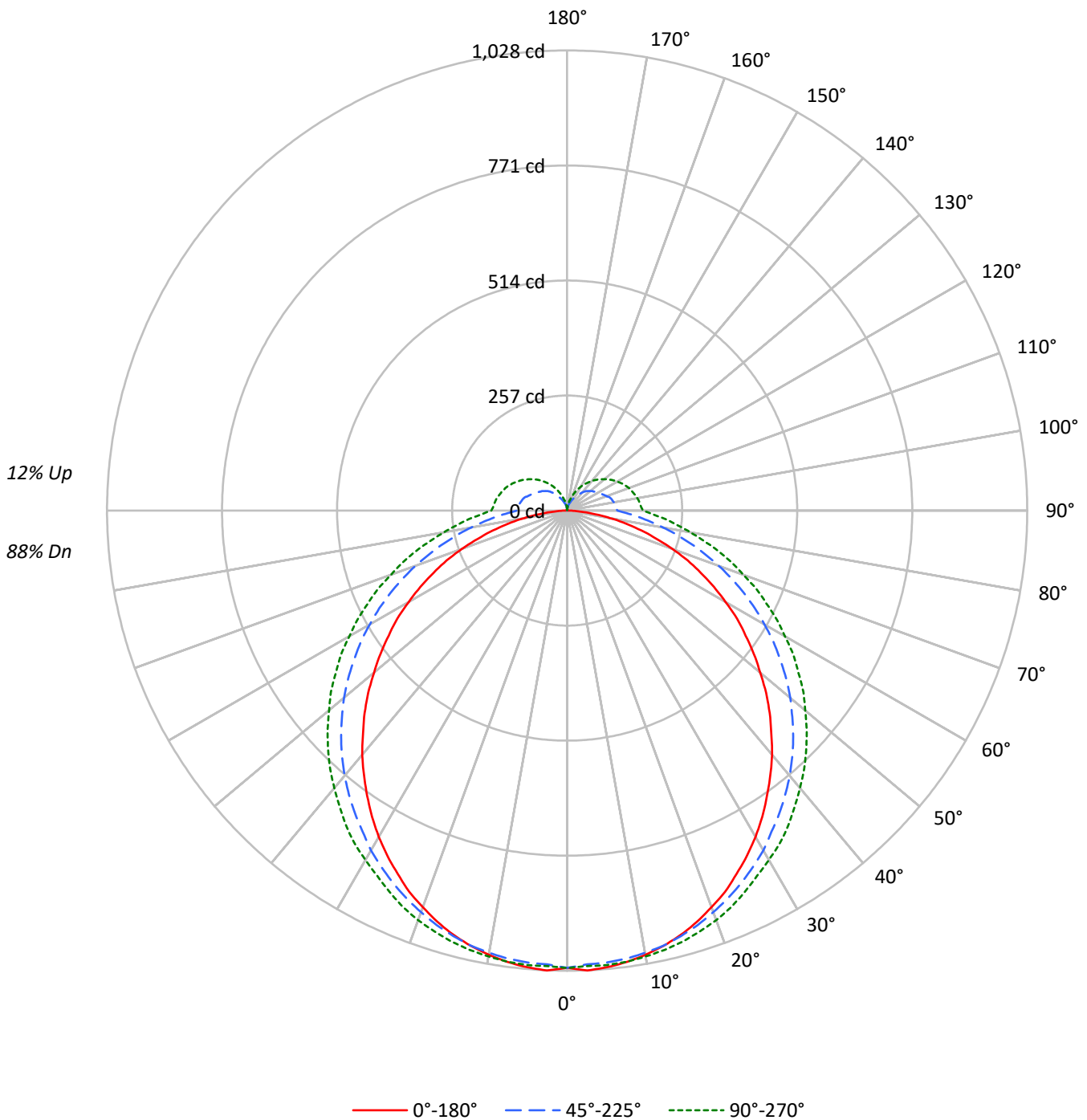
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3678.0 lumens
Efficiency: N/A
Efficacy: 133.5 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°	21993	21993	21993
5°	21971	20929	20809
10°	21709	20057	19785
15°	21393	19198	18853
20°	20965	18335	17951
25°	20478	17499	17028
30°	19958	16685	16178
35°	19331	15837	15416
40°	18712	15041	14585
45°	17983	14208	13795
50°	17155	13351	12954
55°	16331	12415	12122
60°	15381	11434	11226
65°	14235	10372	10300
70°	12804	9230	9296
75°	10868	7982	8337
80°	8275	6740	7235
85°	4782	5551	6315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	2.6
10°-20°	279.0	7.6
20°-30°	424.4	11.5
30°-40°	516.0	14.0
40°-50°	546.0	14.8
50°-60°	511.8	13.9
60°-70°	421.0	11.4
70°-80°	291.3	7.9
80°-90°	162.0	4.4
90°-100°	106.7	2.9
100°-110°	95.7	2.6
110°-120°	79.2	2.2
120°-130°	61.2	1.7
130°-140°	43.4	1.2
140°-150°	26.1	0.7
150°-160°	12.6	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	800.4	21.8
0°-40°	1316.4	35.8
0°-60°	2374.2	64.5
0°-90°	3248.5	88.3
90°-120°	281.6	7.7
90°-150°	412.4	11.2
90°-180°	430.0	11.7
0°-180°	3678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1024	1022	1013	1022	1019	97
15°	981	984	984	997	997	277
25°	896	908	919	939	940	413
35°	778	799	826	853	860	487
45°	640	673	714	746	755	493
55°	487	530	581	618	630	436
65°	329	377	435	478	491	327
75°	171	221	286	331	350	182
85°	38	94	159	203	220	44
90°	1	53	112	154	169	2
95°	1	50	109	149	164	0
105°	1	44	102	140	153	1
115°	1	38	86	125	139	1
125°	1	32	74	106	120	1
135°	1	25	62	88	98	1
145°	1	18	43	66	74	1
155°	2	13	26	42	49	1
165°	2	8	14	20	25	1
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°	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1028.5	1025.4	1014.7	1021.6	1018.5
5°	1024.1	1022.2	1013.4	1021.6	1019.1
7.5°	1017.2	1016.6	1009.6	1019.1	1016.6
10°	1007.7	1009.0	1003.3	1013.4	1011.5
12.5°	995.8	997.7	995.2	1006.5	1005.2
15°	981.3	984.4	983.8	997.0	997.0
17.5°	963.7	968.1	970.6	985.7	985.7
20°	942.9	949.8	954.8	971.2	973.7
22.5°	922.1	930.3	937.8	954.8	958.6
25°	895.6	908.2	918.9	939.1	939.7
27.5°	869.8	883.7	898.2	917.7	919.6
30°	841.5	859.1	876.7	895.6	901.3
32.5°	811.2	830.8	850.3	875.5	883.0
35°	778.5	799.3	826.4	852.8	860.4
37.5°	745.7	769.0	800.5	827.6	834.5
40°	712.4	738.2	773.4	801.2	809.3
42.5°	675.2	706.7	744.5	774.1	783.5
45°	639.9	673.3	714.2	746.4	755.2
47.5°	602.8	638.0	682.1	716.1	726.2
50°	563.1	603.4	650.6	684.6	694.1
52.5°	525.9	566.9	616.6	651.9	665.1
55°	486.9	530.3	581.3	617.9	630.5
57.5°	450.3	491.9	546.7	583.2	599.0
60°	408.8	454.7	509.5	549.2	561.8
62.5°	369.7	416.3	473.0	514.0	528.4
65°	329.4	376.6	435.2	478.1	491.3
67.5°	291.6	338.2	398.1	440.3	457.3
70°	250.0	299.2	360.3	403.7	418.2
72.5°	209.1	260.1	322.5	369.1	385.5
75°	171.3	221.1	285.9	331.3	349.6
77.5°	134.8	185.2	250.7	297.3	313.0
80°	98.3	151.2	217.9	263.9	279.0
82.5°	64.9	120.3	186.4	232.4	248.8
85°	37.8	93.8	158.7	202.8	220.4
87.5°	16.4	71.2	132.9	176.4	190.8
90°	0.6	52.9	112.1	154.3	169.4
92.5°	0.6	51.6	109.6	151.2	165.6
95°	0.6	50.4	109.0	149.3	163.8
97.5°	0.6	49.8	107.7	148.0	161.9
100°	0.6	47.9	105.8	145.5	159.4
102.5°	0.6	45.3	103.9	143.0	156.2
105°	0.6	43.5	102.0	140.5	153.1
107.5°	0.6	41.6	98.9	137.3	149.9
110°	0.6	39.7	93.8	134.2	146.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	39.1	90.1	129.7	143.0
115°	1.3	37.8	86.3	124.7	138.6
117.5°	1.3	37.2	83.1	119.7	134.2
120°	1.3	35.3	80.0	115.3	129.1
122.5°	1.3	33.4	76.8	110.9	124.7
125°	1.3	32.1	73.7	106.4	119.7
127.5°	1.3	30.2	71.2	102.0	114.0
130°	1.3	29.0	68.0	97.0	109.0
132.5°	1.3	27.1	64.9	92.0	103.3
135°	1.3	25.2	61.7	87.5	98.3
137.5°	1.3	22.7	57.9	82.5	92.6
140°	1.3	20.8	52.9	77.5	86.9
142.5°	1.3	19.5	47.9	71.8	80.6
145°	1.3	18.3	42.8	66.1	74.3
147.5°	1.3	17.0	38.4	60.5	68.0
150°	1.3	15.1	34.0	55.4	61.7
152.5°	1.9	13.9	30.2	49.1	55.4
155°	1.9	12.6	26.5	42.2	49.1
157.5°	1.9	11.3	22.7	35.3	42.8
160°	1.9	10.1	19.5	29.0	36.5
162.5°	1.9	9.4	17.0	23.9	30.9
165°	1.9	8.2	14.5	19.5	25.2
167.5°	1.9	6.3	12.0	15.1	20.8
170°	1.9	5.0	9.4	10.7	15.7
172.5°	1.9	3.8	6.9	7.6	8.2
175°	1.9	3.1	4.4	4.4	2.5
177.5°	1.9	2.5	2.5	2.5	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)