

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: P565767

Luminaire Tested: **2SNX-44HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565767
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-44HL-LW-UNV-L935-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

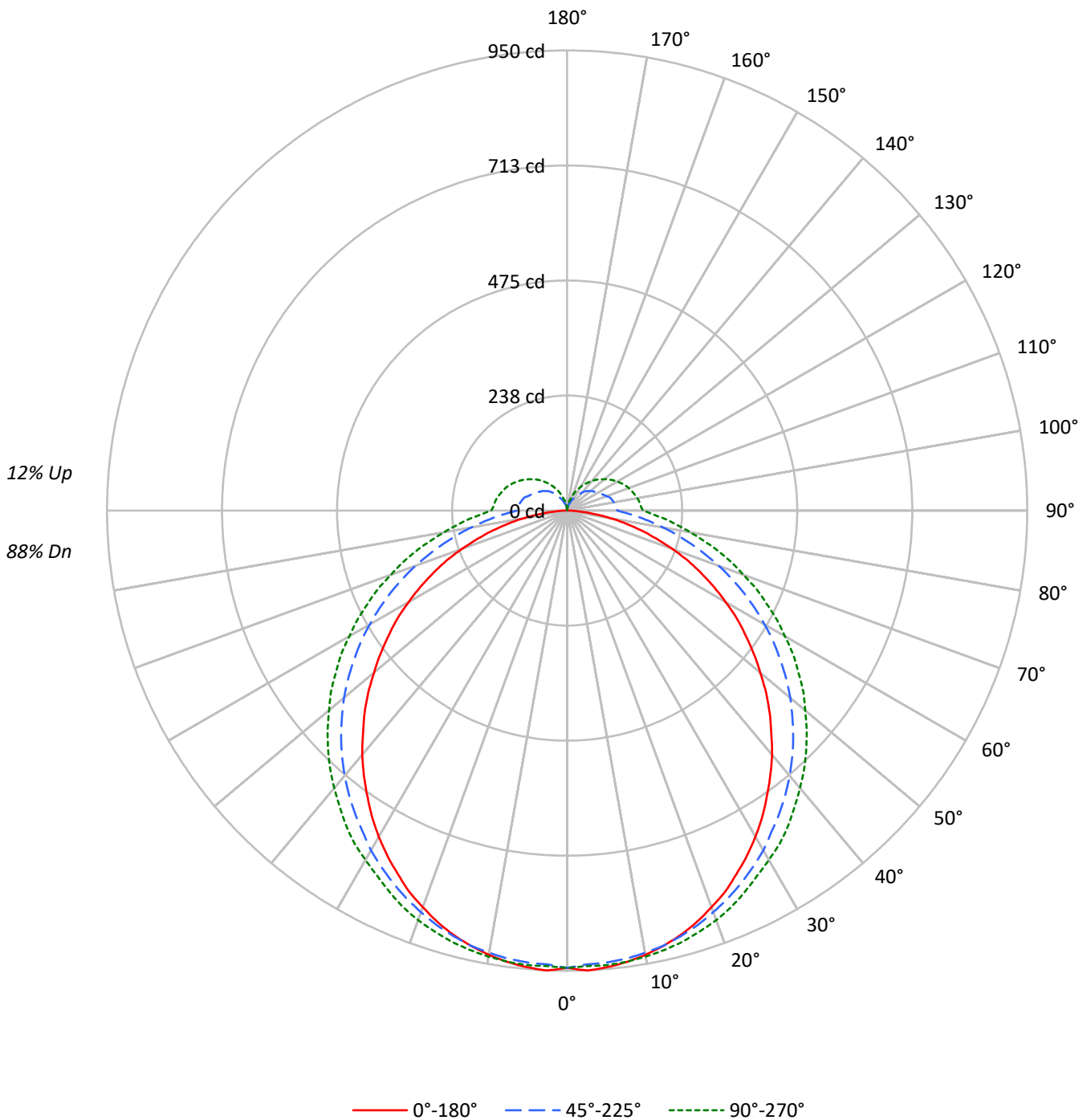
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3399.0 lumens
Efficiency: N/A
Efficacy: 109.3 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): 31.1
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°	20324	20324	20324
5°	20304	19340	19231
10°	20063	18535	18285
15°	19771	17742	17423
20°	19376	16945	16590
25°	18925	16172	15736
30°	18442	15419	14950
35°	17864	14636	14246
40°	17291	13901	13480
45°	16620	13132	12748
50°	15854	12339	11971
55°	15090	11473	11201
60°	14215	10568	10375
65°	13155	9586	9518
70°	11836	8528	8591
75°	10043	7379	7702
80°	7644	6230	6688
85°	4415	5131	5837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	2.6
10°-20°	257.8	7.6
20°-30°	392.2	11.5
30°-40°	476.9	14.0
40°-50°	504.6	14.8
50°-60°	472.9	13.9
60°-70°	389.1	11.4
70°-80°	269.2	7.9
80°-90°	149.7	4.4
90°-100°	98.6	2.9
100°-110°	88.4	2.6
110°-120°	73.2	2.2
120°-130°	56.6	1.7
130°-140°	40.1	1.2
140°-150°	24.2	0.7
150°-160°	11.6	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	739.7	21.8
0°-40°	1216.6	35.8
0°-60°	2194.1	64.6
0°-90°	3002.1	88.3
90°-120°	260.2	7.7
90°-150°	381.1	11.2
90°-180°	397.0	11.7
0°-180°	3399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	946	945	936	944	942	90
15°	907	910	909	921	921	256
25°	828	839	849	868	868	382
35°	719	739	764	788	795	450
45°	591	622	660	690	698	456
55°	450	490	537	571	583	403
65°	304	348	402	442	454	302
75°	158	204	264	306	323	168
85°	35	87	147	187	204	40
90°	1	49	104	143	157	2
95°	1	47	101	138	151	0
105°	1	40	94	130	141	1
115°	1	35	80	115	128	1
125°	1	30	68	98	111	1
135°	1	23	57	81	91	1
145°	1	17	40	61	69	1
155°	2	12	24	39	45	1
165°	2	8	13	18	23	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°	944.1	944.1	944.1	944.1	944.1
2.5°	950.5	947.6	937.7	944.1	941.2
5°	946.4	944.7	936.5	944.1	941.8
7.5°	940.0	939.5	933.1	941.8	939.5
10°	931.3	932.5	927.2	936.5	934.8
12.5°	920.2	922.0	919.7	930.1	929.0
15°	906.9	909.8	909.2	921.4	921.4
17.5°	890.6	894.6	897.0	910.9	910.9
20°	871.4	877.8	882.4	897.5	899.9
22.5°	852.1	859.7	866.7	882.4	885.9
25°	827.7	839.3	849.2	867.9	868.4
27.5°	803.8	816.6	830.0	848.1	849.8
30°	777.6	793.9	810.2	827.7	832.9
32.5°	749.7	767.7	785.8	809.1	816.1
35°	719.4	738.6	763.7	788.1	795.1
37.5°	689.2	710.7	739.8	764.8	771.2
40°	658.3	682.2	714.8	740.4	748.0
42.5°	624.0	653.1	688.0	715.4	724.1
45°	591.4	622.2	660.1	689.7	697.9
47.5°	557.0	589.6	630.4	661.8	671.1
50°	520.4	557.6	601.3	632.7	641.4
52.5°	486.0	523.9	569.8	602.4	614.7
55°	449.9	490.1	537.2	571.0	582.6
57.5°	416.2	454.6	505.2	539.0	553.5
60°	377.8	420.3	470.9	507.6	519.2
62.5°	341.7	384.7	437.1	475.0	488.4
65°	304.4	348.1	402.2	441.8	454.0
67.5°	269.5	312.6	367.9	406.9	422.6
70°	231.1	276.5	332.9	373.1	386.5
72.5°	193.2	240.4	298.0	341.1	356.2
75°	158.3	204.3	264.3	306.2	323.0
77.5°	124.6	171.1	231.7	274.7	289.3
80°	90.8	139.7	201.4	243.9	257.9
82.5°	60.0	111.2	172.3	214.8	229.9
85°	34.9	86.7	146.7	187.4	203.7
87.5°	15.1	65.8	122.8	163.0	176.4
90°	0.6	48.9	103.6	142.6	156.6
92.5°	0.6	47.7	101.3	139.7	153.1
95°	0.6	46.6	100.7	137.9	151.3
97.5°	0.6	46.0	99.5	136.8	149.6
100°	0.6	44.2	97.8	134.5	147.3
102.5°	0.6	41.9	96.0	132.1	144.4
105°	0.6	40.2	94.3	129.8	141.4
107.5°	0.6	38.4	91.4	126.9	138.5
110°	0.6	36.7	86.7	124.0	135.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	36.1	83.2	119.9	132.1
115°	1.2	34.9	79.7	115.2	128.1
117.5°	1.2	34.3	76.8	110.6	124.0
120°	1.2	32.6	73.9	106.5	119.3
122.5°	1.2	30.8	71.0	102.4	115.2
125°	1.2	29.7	68.1	98.4	110.6
127.5°	1.2	27.9	65.8	94.3	105.4
130°	1.2	26.8	62.9	89.6	100.7
132.5°	1.2	25.0	60.0	85.0	95.5
135°	1.2	23.3	57.0	80.9	90.8
137.5°	1.2	21.0	53.6	76.3	85.6
140°	1.2	19.2	48.9	71.6	80.3
142.5°	1.2	18.0	44.2	66.4	74.5
145°	1.2	16.9	39.6	61.1	68.7
147.5°	1.2	15.7	35.5	55.9	62.9
150°	1.2	14.0	31.4	51.2	57.0
152.5°	1.7	12.8	27.9	45.4	51.2
155°	1.7	11.6	24.4	39.0	45.4
157.5°	1.7	10.5	21.0	32.6	39.6
160°	1.7	9.3	18.0	26.8	33.8
162.5°	1.7	8.7	15.7	22.1	28.5
165°	1.7	7.6	13.4	18.0	23.3
167.5°	1.7	5.8	11.1	14.0	19.2
170°	1.7	4.7	8.7	9.9	14.6
172.5°	1.7	3.5	6.4	7.0	7.6
175°	1.7	2.9	4.1	4.1	2.3
177.5°	1.7	2.3	2.3	2.3	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)