

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: P565777

Luminaire Tested: **2SNX-44HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565777
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-SLW-UNV-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

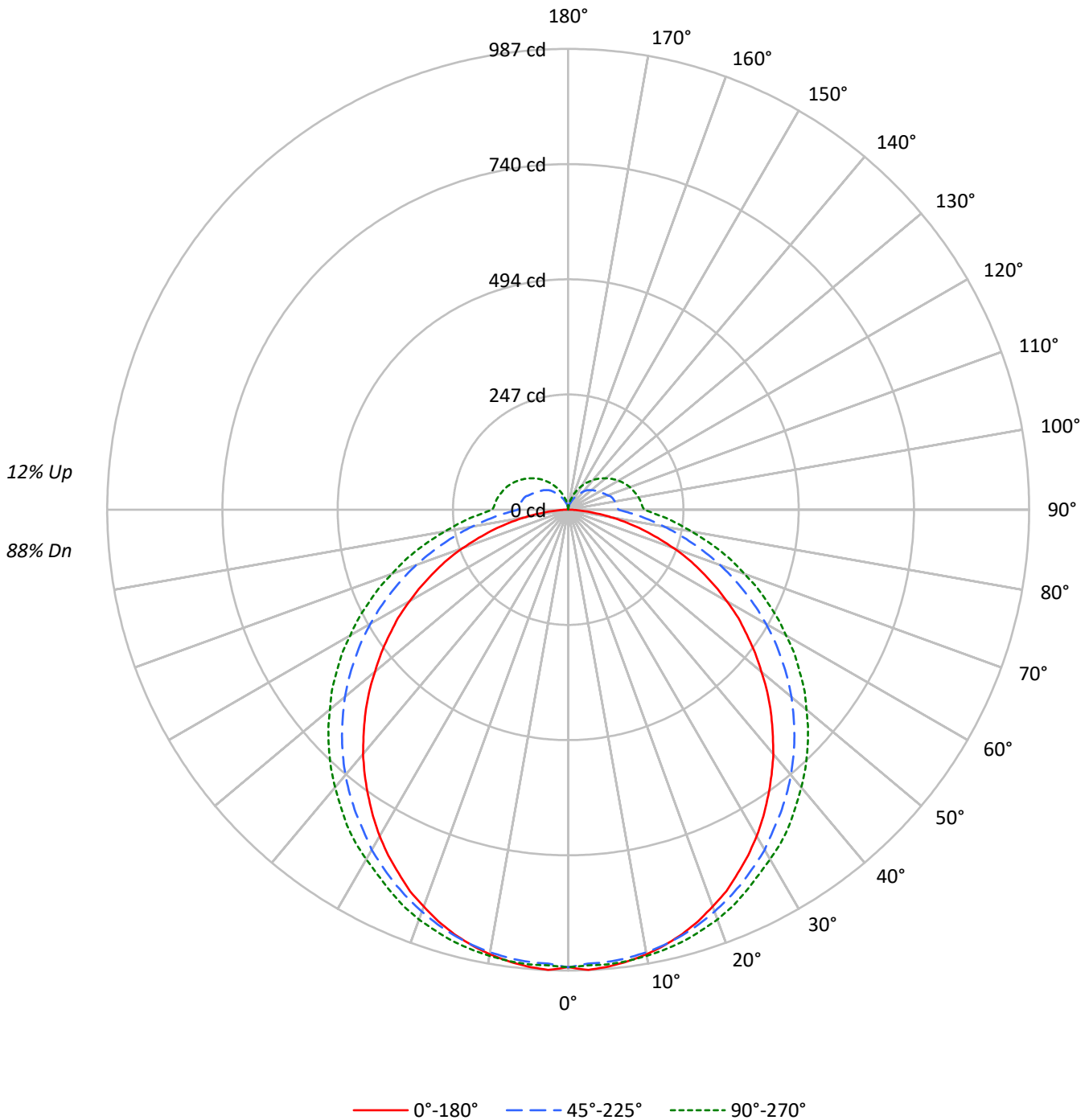
Lumens per Lamp: N/A
Luminaire Lumens: 3528.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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°	21095	21095	21095
5°	21153	20533	20528
10°	20978	20102	20038
15°	20748	19642	19574
20°	20411	19143	19091
25°	20019	18643	18541
30°	19596	18140	18033
35°	19070	17581	17598
40°	18556	17067	17063
45°	17942	16500	16557
50°	17236	15898	15977
55°	16547	15196	15399
60°	15750	14440	14731
65°	14781	13577	14020
70°	13555	12606	13206
75°	11833	11490	12456
80°	9453	10373	11508
85°	6065	9355	10895



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	2.6
10°-20°	267.6	7.6
20°-30°	407.1	11.5
30°-40°	495.0	14.0
40°-50°	523.7	14.8
50°-60°	490.9	13.9
60°-70°	403.8	11.4
70°-80°	279.4	7.9
80°-90°	155.4	4.4
90°-100°	102.4	2.9
100°-110°	91.8	2.6
110°-120°	76.0	2.2
120°-130°	58.7	1.7
130°-140°	41.6	1.2
140°-150°	25.1	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	767.7	21.8
0°-40°	1262.8	35.8
0°-60°	2277.3	64.6
0°-90°	3116.0	88.3
90°-120°	270.1	7.7
90°-150°	395.5	11.2
90°-180°	412.0	11.7
0°-180°	3528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	982	980	972	980	978	93
15°	941	944	944	956	956	265
25°	859	871	882	901	901	396
35°	747	767	793	818	825	467
45°	614	646	685	716	724	473
55°	467	509	558	593	605	418
65°	316	361	418	459	471	313
75°	164	212	274	318	335	174
85°	36	90	152	194	212	42
90°	1	51	108	148	162	2
95°	1	48	104	143	157	0
105°	1	42	98	135	147	1
115°	1	36	83	120	133	1
125°	1	31	71	102	115	1
135°	1	24	59	84	94	1
145°	1	18	41	63	71	1
155°	2	12	25	40	47	1
165°	2	8	14	19	24	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°	979.9	979.9	979.9	979.9	979.9
2.5°	986.6	983.6	973.3	979.9	976.9
5°	982.4	980.5	972.1	979.9	977.5
7.5°	975.7	975.1	968.5	977.5	975.1
10°	966.7	967.9	962.4	972.1	970.3
12.5°	955.2	957.0	954.6	965.4	964.2
15°	941.3	944.3	943.7	956.4	956.4
17.5°	924.4	928.6	931.0	945.5	945.5
20°	904.4	911.1	915.9	931.6	934.0
22.5°	884.5	892.3	899.6	915.9	919.5
25°	859.1	871.2	881.5	900.8	901.4
27.5°	834.3	847.6	861.5	880.3	882.1
30°	807.2	824.1	841.0	859.1	864.5
32.5°	778.2	796.9	815.6	839.8	847.0
35°	746.7	766.7	792.7	818.0	825.3
37.5°	715.3	737.7	767.9	793.9	800.5
40°	683.3	708.1	741.9	768.5	776.3
42.5°	647.7	677.9	714.1	742.5	751.6
45°	613.8	645.8	685.1	715.9	724.4
47.5°	578.2	612.0	654.3	686.9	696.6
50°	540.1	578.8	624.1	656.7	665.8
52.5°	504.5	543.7	591.5	625.3	638.0
55°	467.0	508.7	557.6	592.7	604.8
57.5°	432.0	471.8	524.4	559.4	574.6
60°	392.1	436.2	488.8	526.8	538.9
62.5°	354.6	399.3	453.7	493.0	506.9
65°	316.0	361.3	417.5	458.6	471.2
67.5°	279.7	324.4	381.8	422.3	438.6
70°	239.9	287.0	345.6	387.3	401.2
72.5°	200.6	249.5	309.3	354.0	369.7
75°	164.3	212.1	274.3	317.8	335.3
77.5°	129.3	177.6	240.5	285.2	300.3
80°	94.2	145.0	209.0	253.1	267.6
82.5°	62.2	115.4	178.8	222.9	238.6
85°	36.2	90.0	152.2	194.5	211.5
87.5°	15.7	68.3	127.5	169.2	183.1
90°	0.6	50.7	107.5	148.0	162.5
92.5°	0.6	49.5	105.1	145.0	158.9
95°	0.6	48.3	104.5	143.2	157.1
97.5°	0.6	47.7	103.3	142.0	155.3
100°	0.6	45.9	101.5	139.6	152.9
102.5°	0.6	43.5	99.7	137.1	149.8
105°	0.6	41.7	97.9	134.7	146.8
107.5°	0.6	39.9	94.9	131.7	143.8
110°	0.6	38.1	90.0	128.7	140.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.5	86.4	124.5	137.1
115°	1.2	36.2	82.8	119.6	132.9
117.5°	1.2	35.6	79.7	114.8	128.7
120°	1.2	33.8	76.7	110.6	123.9
122.5°	1.2	32.0	73.7	106.3	119.6
125°	1.2	30.8	70.7	102.1	114.8
127.5°	1.2	29.0	68.3	97.9	109.4
130°	1.2	27.8	65.2	93.0	104.5
132.5°	1.2	26.0	62.2	88.2	99.1
135°	1.2	24.2	59.2	84.0	94.2
137.5°	1.2	21.7	55.6	79.1	88.8
140°	1.2	19.9	50.7	74.3	83.4
142.5°	1.2	18.7	45.9	68.9	77.3
145°	1.2	17.5	41.1	63.4	71.3
147.5°	1.2	16.3	36.9	58.0	65.2
150°	1.2	14.5	32.6	53.2	59.2
152.5°	1.8	13.3	29.0	47.1	53.2
155°	1.8	12.1	25.4	40.5	47.1
157.5°	1.8	10.9	21.7	33.8	41.1
160°	1.8	9.7	18.7	27.8	35.0
162.5°	1.8	9.1	16.3	23.0	29.6
165°	1.8	7.9	13.9	18.7	24.2
167.5°	1.8	6.0	11.5	14.5	19.9
170°	1.8	4.8	9.1	10.3	15.1
172.5°	1.8	3.6	6.6	7.2	7.9
175°	1.8	3.0	4.2	4.2	2.4
177.5°	1.8	2.4	2.4	2.4	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)