

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: P565769

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565769
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-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

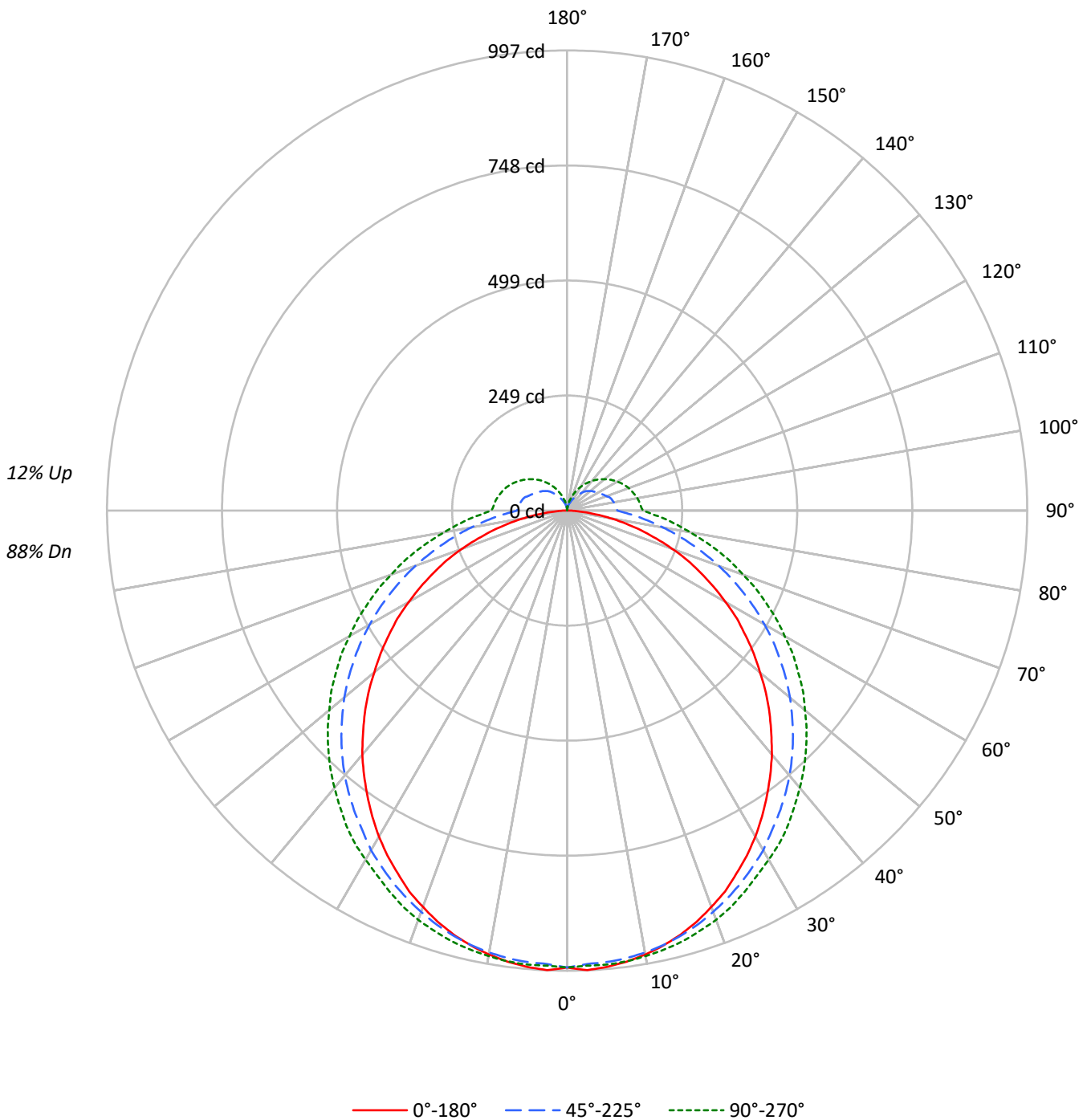
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3564.0 lumens
Efficiency: N/A
Efficacy: 114.6 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°	21310	21310	21310
5°	21291	20280	20164
10°	21037	19435	19173
15°	20730	18603	18268
20°	20316	17766	17396
25°	19844	16958	16500
30°	19339	16169	15677
35°	18733	15345	14937
40°	18131	14576	14134
45°	17427	13769	13368
50°	16622	12939	12553
55°	15825	12030	11746
60°	14903	11082	10878
65°	13795	10050	9982
70°	12410	8943	9009
75°	10532	7736	8077
80°	8015	6533	7012
85°	4630	5380	6121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	2.6
10°-20°	270.3	7.6
20°-30°	411.3	11.5
30°-40°	500.1	14.0
40°-50°	529.0	14.8
50°-60°	495.9	13.9
60°-70°	408.0	11.4
70°-80°	282.3	7.9
80°-90°	157.0	4.4
90°-100°	103.4	2.9
100°-110°	92.7	2.6
110°-120°	76.7	2.2
120°-130°	59.3	1.7
130°-140°	42.0	1.2
140°-150°	25.3	0.7
150°-160°	12.2	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	775.6	21.8
0°-40°	1275.6	35.8
0°-60°	2300.6	64.6
0°-90°	3147.8	88.3
90°-120°	272.9	7.7
90°-150°	399.5	11.2
90°-180°	416.0	11.7
0°-180°	3564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	992	991	982	990	988	94
15°	951	954	953	966	966	268
25°	868	880	890	910	911	400
35°	754	774	801	826	834	472
45°	620	652	692	723	732	478
55°	472	514	563	599	611	422
65°	319	365	422	463	476	316
75°	166	214	277	321	339	176
85°	37	91	154	196	214	42
90°	1	51	109	150	164	2
95°	1	49	106	145	159	0
105°	1	42	99	136	148	1
115°	1	37	84	121	134	1
125°	1	31	71	103	116	1
135°	1	24	60	85	95	1
145°	1	18	42	64	72	1
155°	2	12	26	41	48	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°	989.9	989.9	989.9	989.9	989.9
2.5°	996.7	993.6	983.2	989.9	986.9
5°	992.4	990.6	982.0	989.9	987.5
7.5°	985.7	985.1	978.3	987.5	985.1
10°	976.5	977.7	972.2	982.0	980.2
12.5°	964.9	966.7	964.3	975.3	974.1
15°	950.9	953.9	953.3	966.1	966.1
17.5°	933.8	938.1	940.5	955.2	955.2
20°	913.7	920.4	925.2	941.1	943.6
22.5°	893.5	901.4	908.8	925.2	928.9
25°	867.9	880.1	890.5	910.0	910.6
27.5°	842.9	856.3	870.3	889.2	891.1
30°	815.4	832.5	849.6	867.9	873.4
32.5°	786.1	805.0	823.9	848.3	855.7
35°	754.4	774.5	800.7	826.4	833.7
37.5°	722.6	745.2	775.7	802.0	808.7
40°	690.3	715.3	749.5	776.3	784.3
42.5°	654.3	684.8	721.4	750.1	759.2
45°	620.1	652.4	692.1	723.2	731.8
47.5°	584.1	618.3	661.0	693.9	703.7
50°	545.6	584.7	630.5	663.4	672.6
52.5°	509.6	549.3	597.5	631.7	644.5
55°	471.8	513.9	563.3	598.7	610.9
57.5°	436.4	476.7	529.8	565.2	580.4
60°	396.1	440.7	493.8	532.2	544.4
62.5°	358.3	403.4	458.4	498.0	512.1
65°	319.2	365.0	421.7	463.2	476.1
67.5°	282.6	327.7	385.7	426.6	443.1
70°	242.3	289.9	349.1	391.2	405.3
72.5°	202.6	252.1	312.5	357.6	373.5
75°	166.0	214.2	277.1	321.0	338.7
77.5°	130.6	179.4	242.9	288.1	303.3
80°	95.2	146.5	211.2	255.7	270.4
82.5°	62.9	116.6	180.7	225.2	241.1
85°	36.6	90.9	153.8	196.5	213.6
87.5°	15.9	69.0	128.8	170.9	184.9
90°	0.6	51.3	108.6	149.5	164.2
92.5°	0.6	50.0	106.2	146.5	160.5
95°	0.6	48.8	105.6	144.6	158.7
97.5°	0.6	48.2	104.4	143.4	156.9
100°	0.6	46.4	102.5	141.0	154.4
102.5°	0.6	43.9	100.7	138.5	151.4
105°	0.6	42.1	98.9	136.1	148.3
107.5°	0.6	40.3	95.8	133.1	145.3
110°	0.6	38.5	90.9	130.0	142.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.8	87.3	125.7	138.5
115°	1.2	36.6	83.6	120.8	134.3
117.5°	1.2	36.0	80.6	116.0	130.0
120°	1.2	34.2	77.5	111.7	125.1
122.5°	1.2	32.3	74.5	107.4	120.8
125°	1.2	31.1	71.4	103.1	116.0
127.5°	1.2	29.3	69.0	98.9	110.5
130°	1.2	28.1	65.9	94.0	105.6
132.5°	1.2	26.2	62.9	89.1	100.1
135°	1.2	24.4	59.8	84.8	95.2
137.5°	1.2	22.0	56.1	80.0	89.7
140°	1.2	20.1	51.3	75.1	84.2
142.5°	1.2	18.9	46.4	69.6	78.1
145°	1.2	17.7	41.5	64.1	72.0
147.5°	1.2	16.5	37.2	58.6	65.9
150°	1.2	14.6	33.0	53.7	59.8
152.5°	1.8	13.4	29.3	47.6	53.7
155°	1.8	12.2	25.6	40.9	47.6
157.5°	1.8	11.0	22.0	34.2	41.5
160°	1.8	9.8	18.9	28.1	35.4
162.5°	1.8	9.2	16.5	23.2	29.9
165°	1.8	7.9	14.0	18.9	24.4
167.5°	1.8	6.1	11.6	14.6	20.1
170°	1.8	4.9	9.2	10.4	15.3
172.5°	1.8	3.7	6.7	7.3	7.9
175°	1.8	3.1	4.3	4.3	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)