

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: P565761

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-44HL-LN-UNV-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

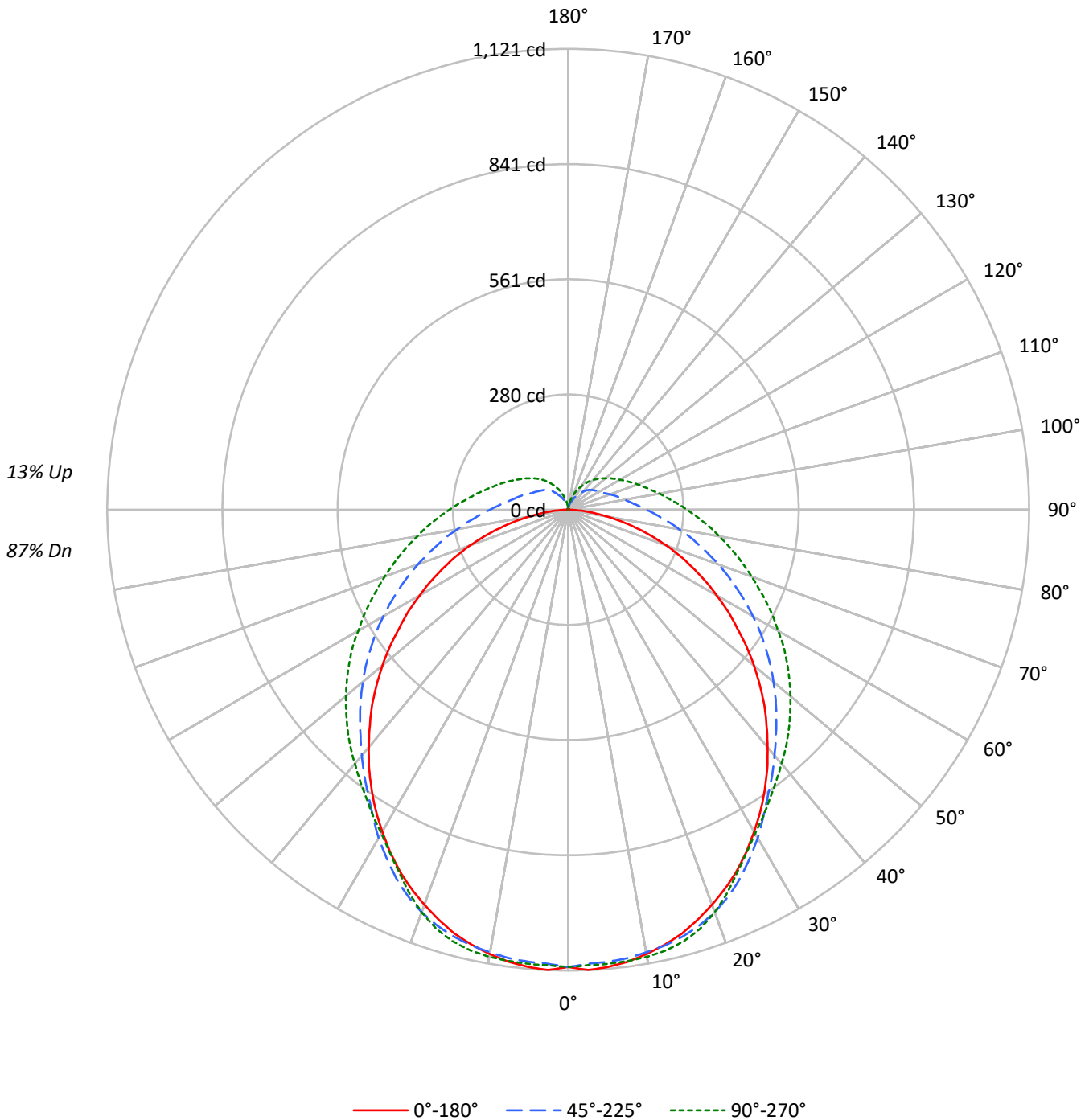
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
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 (Ain): 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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23950	23950	23950
5°	23955	22793	22647
10°	23644	21858	21601
15°	23274	20980	20547
20°	22738	20004	19205
25°	22167	18840	17629
30°	21445	17545	16314
35°	20677	16232	15333
40°	19815	15175	14540
45°	18961	14236	13855
50°	17963	13372	13165
55°	16807	12504	12488
60°	15678	11643	11781
65°	14417	10775	11135
70°	12973	9960	10549
75°	10843	9163	10065
80°	8141	8467	9657
85°	4908	7954	9421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	2.6
10°-20°	303.9	7.6
20°-30°	452.5	11.3
30°-40°	533.9	13.3
40°-50°	556.8	13.9
50°-60°	523.2	13.0
60°-70°	441.9	11.0
70°-80°	333.9	8.3
80°-90°	230.1	5.7
90°-100°	161.1	4.0
100°-110°	120.2	3.0
110°-120°	90.6	2.3
120°-130°	67.6	1.7
130°-140°	47.4	1.2
140°-150°	28.7	0.7
150°-160°	13.7	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	862.0	21.5
0°-40°	1395.9	34.8
0°-60°	2476.0	61.7
0°-90°	3481.8	86.7
90°-120°	371.9	9.3
90°-150°	515.5	12.8
90°-180°	534.0	13.3
0°-180°	4016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1117	1114	1104	1112	1109	106
15°	1068	1072	1075	1089	1087	301
25°	970	989	989	980	973	446
35°	833	863	847	854	856	521
45°	675	708	716	745	758	520
55°	501	544	586	632	650	450
65°	334	387	452	511	531	331
75°	171	237	328	397	422	182
85°	39	122	227	302	329	44
90°	1	86	190	263	289	3
95°	1	67	161	230	254	1
105°	1	48	124	180	200	1
115°	1	42	96	143	161	1
125°	2	35	81	117	132	2
135°	2	27	67	95	107	2
145°	3	20	47	73	82	2
155°	3	13	29	46	54	1
165°	3	8	15	20	27	1
175°	3	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.5	1112.5	1112.5	1112.5	1112.5
2.5°	1120.7	1118.0	1105.7	1112.5	1109.1
5°	1116.6	1114.5	1103.7	1111.8	1109.1
7.5°	1109.1	1108.4	1100.3	1109.8	1107.1
10°	1097.5	1099.6	1093.4	1106.4	1104.3
12.5°	1083.9	1088.0	1086.0	1100.3	1098.2
15°	1067.6	1072.3	1075.1	1088.7	1086.6
17.5°	1045.8	1054.6	1060.8	1071.7	1068.3
20°	1022.6	1034.9	1041.7	1047.1	1041.7
22.5°	997.4	1013.8	1017.9	1015.1	1009.7
25°	969.5	989.3	989.3	980.4	972.9
27.5°	938.2	962.7	955.9	945.7	939.6
30°	904.2	933.4	921.9	910.3	908.9
32.5°	870.1	900.8	883.7	881.0	883.1
35°	832.7	863.3	847.0	853.8	855.8
37.5°	795.2	825.9	815.0	825.2	831.3
40°	754.4	787.1	780.3	798.6	806.8
42.5°	714.2	748.3	747.6	771.4	783.7
45°	674.7	708.1	715.6	744.8	758.5
47.5°	631.8	665.9	684.3	718.3	731.9
50°	589.6	626.4	651.6	689.7	705.4
52.5°	546.0	584.8	619.6	661.8	678.1
55°	501.1	544.0	585.5	632.5	649.5
57.5°	460.9	504.5	553.5	601.9	621.6
60°	416.7	465.0	518.8	569.9	589.6
62.5°	376.5	426.2	486.1	539.9	561.0
65°	333.6	386.7	452.1	511.3	531.1
67.5°	294.1	348.6	420.1	480.0	501.8
70°	253.3	311.1	388.8	452.1	474.6
72.5°	211.1	272.3	357.4	424.8	448.0
75°	170.9	236.9	328.2	396.9	422.1
77.5°	133.4	202.9	301.6	372.4	396.9
80°	96.7	172.3	273.7	347.2	372.4
82.5°	64.0	145.7	251.2	324.8	351.3
85°	38.8	121.9	227.4	302.3	328.8
87.5°	17.7	102.1	208.3	282.6	308.4
90°	0.7	86.5	190.0	262.8	288.7
92.5°	0.7	75.6	175.0	245.8	271.0
95°	0.7	67.4	160.7	230.1	254.0
97.5°	0.7	62.0	149.8	215.1	238.3
100°	0.7	56.5	138.9	201.5	225.4
102.5°	1.4	51.7	130.7	189.3	211.7
105°	1.4	48.3	123.9	179.7	200.2
107.5°	1.4	46.3	116.4	170.2	189.3
110°	1.4	44.3	108.3	160.7	179.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	42.9	102.1	152.5	170.9
115°	1.4	41.5	96.0	143.0	161.4
117.5°	1.4	40.9	92.6	135.5	153.2
120°	2.0	38.8	88.5	128.7	145.7
122.5°	2.0	36.8	84.4	123.2	138.2
125°	2.0	35.4	81.0	117.1	132.1
127.5°	2.0	33.4	77.6	111.7	125.3
130°	2.0	31.3	74.9	106.2	119.1
132.5°	2.0	29.3	71.5	100.8	113.0
135°	2.0	27.2	67.4	95.3	106.9
137.5°	2.0	25.2	63.3	89.9	100.8
140°	2.0	23.1	57.9	84.4	94.6
142.5°	2.0	21.1	52.4	79.0	87.8
145°	2.7	19.7	47.0	72.9	81.7
147.5°	2.7	17.7	41.5	66.7	74.2
150°	2.7	16.3	37.4	60.6	67.4
152.5°	2.7	14.3	33.4	53.8	60.6
155°	2.7	12.9	28.6	46.3	53.8
157.5°	2.7	11.6	24.5	38.8	47.0
160°	2.7	10.9	21.1	32.0	40.2
162.5°	3.4	9.5	17.7	25.9	33.4
165°	3.4	8.2	15.0	20.4	27.2
167.5°	3.4	6.8	12.3	15.7	21.1
170°	3.4	5.4	9.5	10.9	16.3
172.5°	3.4	4.1	6.8	7.5	8.2
175°	3.4	3.4	4.1	4.1	2.0
177.5°	3.4	3.4	2.7	2.0	0.7
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)