

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: P565758

Luminaire Tested: **2SNX-44HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565758
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-L930-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

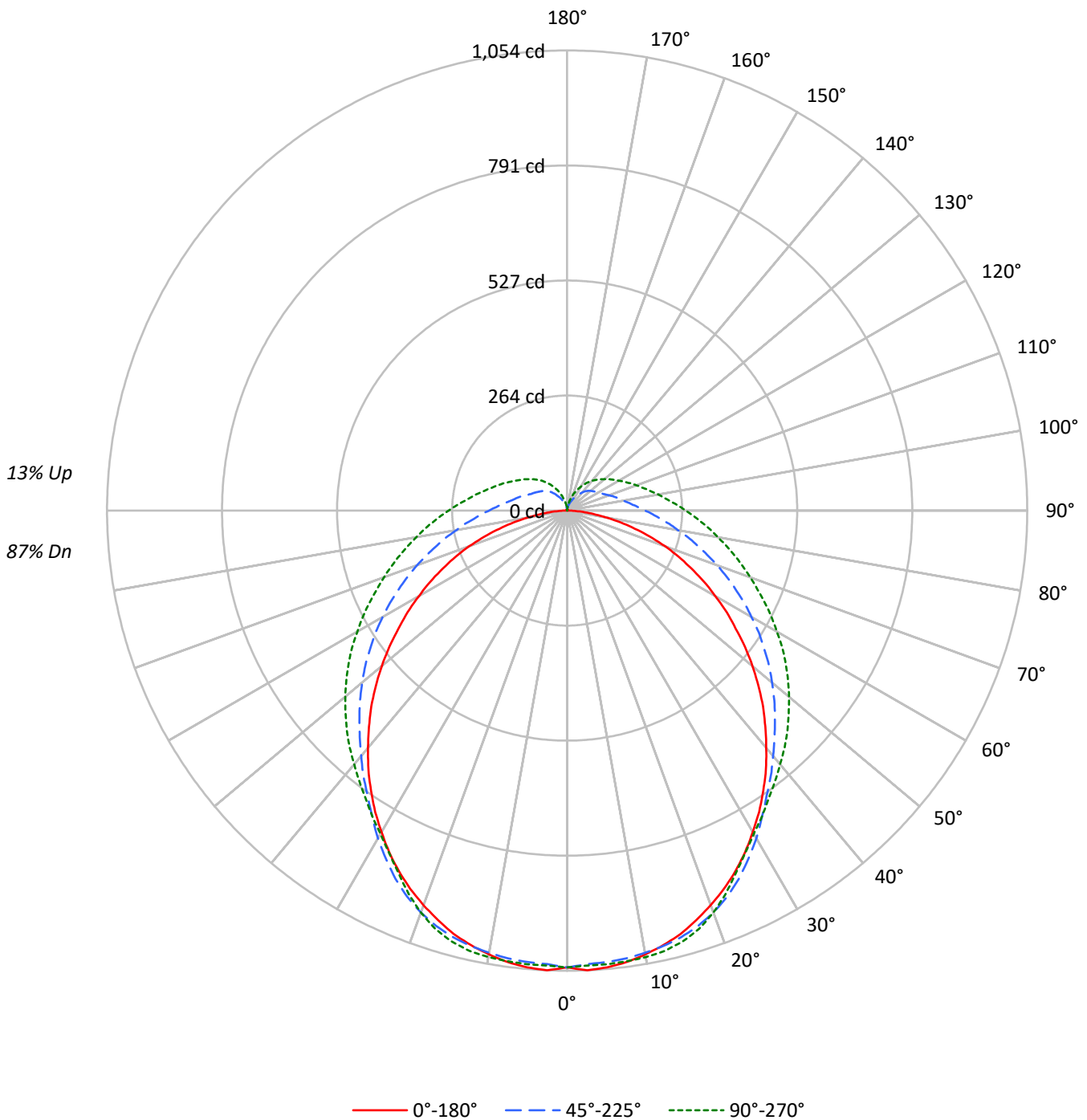
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3777.0 lumens
Efficiency: N/A
Efficacy: 121.4 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 (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	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°	22525	22525	22525
5°	22528	21437	21299
10°	22237	20558	20316
15°	21888	19731	19325
20°	21386	18813	18062
25°	20848	17718	16580
30°	20169	16500	15343
35°	19446	15266	14421
40°	18636	14271	13675
45°	17834	13389	13030
50°	16893	12575	12381
55°	15808	11761	11746
60°	14745	10949	11080
65°	13561	10134	10472
70°	12200	9366	9920
75°	10196	8616	9467
80°	7653	7962	9084
85°	4617	7482	8863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	2.6
10°-20°	285.8	7.6
20°-30°	425.5	11.3
30°-40°	502.1	13.3
40°-50°	523.7	13.9
50°-60°	492.1	13.0
60°-70°	415.6	11.0
70°-80°	314.0	8.3
80°-90°	216.4	5.7
90°-100°	151.5	4.0
100°-110°	113.0	3.0
110°-120°	85.2	2.3
120°-130°	63.5	1.7
130°-140°	44.6	1.2
140°-150°	27.0	0.7
150°-160°	12.9	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	810.7	21.5
0°-40°	1312.8	34.8
0°-60°	2328.6	61.7
0°-90°	3274.6	86.7
90°-120°	349.7	9.3
90°-150°	484.8	12.8
90°-180°	502.0	13.3
0°-180°	3777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1050	1048	1038	1046	1043	100
15°	1004	1008	1011	1024	1022	283
25°	912	930	930	922	915	420
35°	783	812	797	803	805	490
45°	635	666	673	700	713	489
55°	471	512	551	595	611	423
65°	314	364	425	481	500	312
75°	161	223	309	373	397	171
85°	36	115	214	284	309	41
90°	1	81	179	247	272	3
95°	1	63	151	216	239	0
105°	1	46	116	169	188	1
115°	1	39	90	134	152	1
125°	2	33	76	110	124	2
135°	2	26	63	90	100	1
145°	3	19	44	68	77	1
155°	3	12	27	44	51	1
165°	3	8	14	19	26	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°	1046.3	1046.3	1046.3	1046.3	1046.3
2.5°	1054.0	1051.4	1039.9	1046.3	1043.1
5°	1050.1	1048.2	1038.0	1045.7	1043.1
7.5°	1043.1	1042.5	1034.8	1043.7	1041.2
10°	1032.2	1034.1	1028.4	1040.5	1038.6
12.5°	1019.4	1023.2	1021.3	1034.8	1032.9
15°	1004.0	1008.5	1011.1	1023.9	1022.0
17.5°	983.5	991.9	997.6	1007.9	1004.7
20°	961.8	973.3	979.7	984.8	979.7
22.5°	938.1	953.5	957.3	954.7	949.6
25°	911.8	930.4	930.4	922.1	915.0
27.5°	882.4	905.4	899.0	889.4	883.7
30°	850.4	877.9	867.0	856.1	854.8
32.5°	818.3	847.2	831.1	828.6	830.5
35°	783.1	811.9	796.6	803.0	804.9
37.5°	747.9	776.7	766.5	776.1	781.8
40°	709.5	740.2	733.8	751.1	758.8
42.5°	671.7	703.7	703.1	725.5	737.0
45°	634.6	665.9	673.0	700.5	713.3
47.5°	594.2	626.2	643.5	675.5	688.4
50°	554.5	589.1	612.8	648.7	663.4
52.5°	513.5	550.0	582.7	622.4	637.8
55°	471.3	511.6	550.7	594.9	610.9
57.5°	433.5	474.5	520.6	566.1	584.6
60°	391.9	437.3	487.9	536.0	554.5
62.5°	354.1	400.8	457.2	507.8	527.6
65°	313.8	363.7	425.2	480.9	499.5
67.5°	276.6	327.8	395.1	451.4	471.9
70°	238.2	292.6	365.6	425.2	446.3
72.5°	198.5	256.1	336.2	399.6	421.3
75°	160.7	222.8	308.6	373.3	397.0
77.5°	125.5	190.8	283.7	350.3	373.3
80°	90.9	162.0	257.4	326.6	350.3
82.5°	60.2	137.0	236.3	305.4	330.4
85°	36.5	114.6	213.9	284.3	309.3
87.5°	16.6	96.0	195.9	265.7	290.1
90°	0.6	81.3	178.7	247.2	271.5
92.5°	0.6	71.1	164.6	231.2	254.9
95°	0.6	63.4	151.1	216.4	238.8
97.5°	0.6	58.3	140.9	202.3	224.1
100°	0.6	53.1	130.6	189.5	211.9
102.5°	1.3	48.7	122.9	178.0	199.1
105°	1.3	45.5	116.5	169.0	188.3
107.5°	1.3	43.5	109.5	160.1	178.0
110°	1.3	41.6	101.8	151.1	169.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	40.3	96.0	143.4	160.7
115°	1.3	39.1	90.3	134.5	151.8
117.5°	1.3	38.4	87.1	127.4	144.1
120°	1.9	36.5	83.2	121.0	137.0
122.5°	1.9	34.6	79.4	115.9	130.0
125°	1.9	33.3	76.2	110.1	124.2
127.5°	1.9	31.4	73.0	105.0	117.8
130°	1.9	29.5	70.4	99.9	112.1
132.5°	1.9	27.5	67.2	94.8	106.3
135°	1.9	25.6	63.4	89.6	100.5
137.5°	1.9	23.7	59.6	84.5	94.8
140°	1.9	21.8	54.4	79.4	89.0
142.5°	1.9	19.9	49.3	74.3	82.6
145°	2.6	18.6	44.2	68.5	76.8
147.5°	2.6	16.6	39.1	62.8	69.8
150°	2.6	15.4	35.2	57.0	63.4
152.5°	2.6	13.4	31.4	50.6	57.0
155°	2.6	12.2	26.9	43.5	50.6
157.5°	2.6	10.9	23.1	36.5	44.2
160°	2.6	10.2	19.9	30.1	37.8
162.5°	3.2	9.0	16.6	24.3	31.4
165°	3.2	7.7	14.1	19.2	25.6
167.5°	3.2	6.4	11.5	14.7	19.9
170°	3.2	5.1	9.0	10.2	15.4
172.5°	3.2	3.8	6.4	7.0	7.7
175°	3.2	3.2	3.8	3.8	1.9
177.5°	3.2	3.2	2.6	1.9	0.6
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)