

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: P565744

Luminaire Tested: **2SNX-44HL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565744
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-FDL-UNV-L940-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

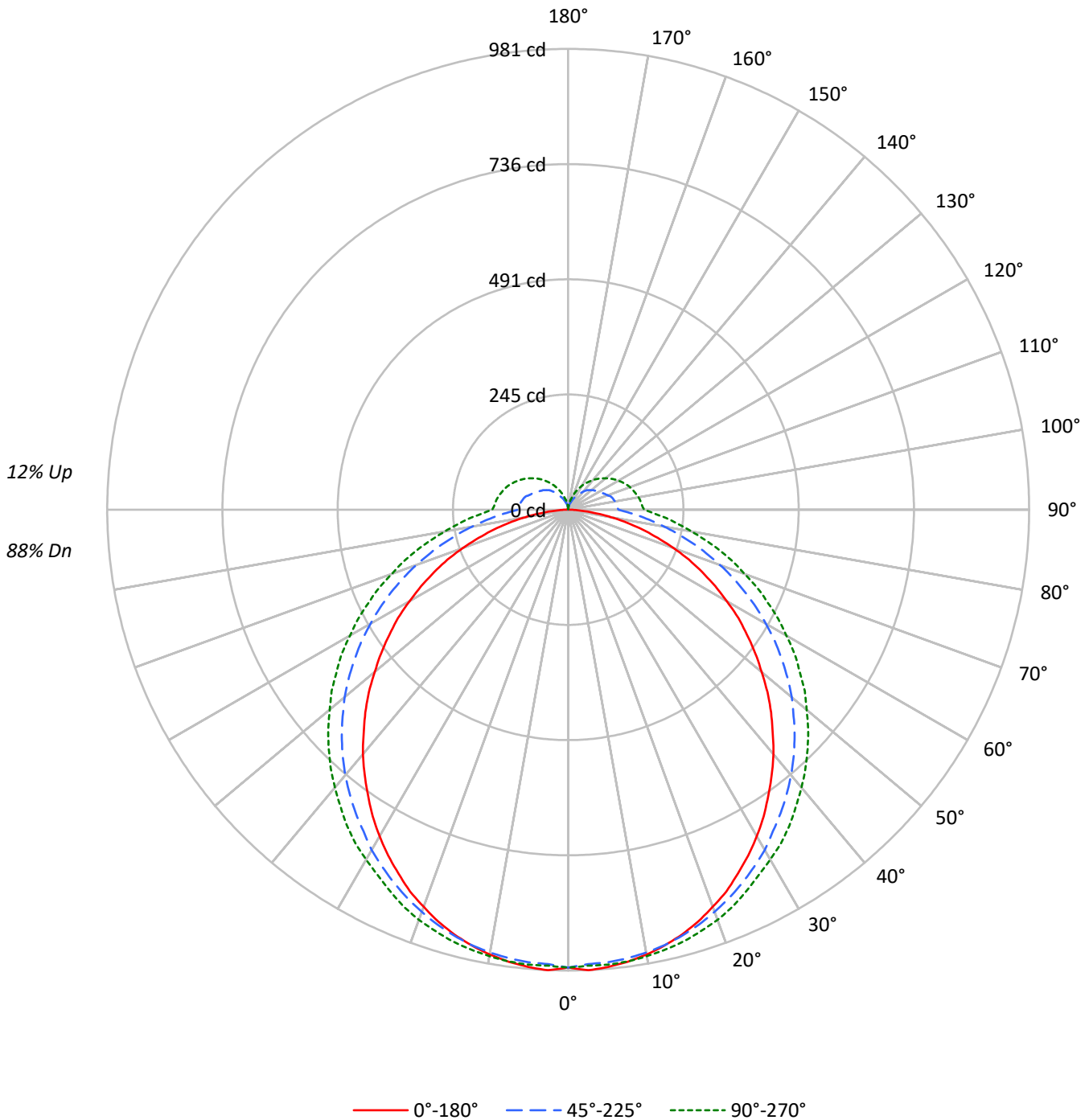
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3509.0 lumens
Efficiency: N/A
Efficacy: 112.8 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: 0.04')
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°	20983	20983	20983
5°	21077	20655	20709
10°	20939	20446	20495
15°	20749	20201	20293
20°	20454	19910	20066
25°	20102	19612	19759
30°	19719	19315	19499
35°	19238	18960	19317
40°	18770	18661	19038
45°	18207	18317	18802
50°	17556	17952	18503
55°	16930	17502	18235
60°	16207	17021	17908
65°	15325	16468	17589
70°	14205	15857	17226
75°	12611	15180	17102
80°	10389	14712	16966
85°	7202	14867	17881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	2.6
10°-20°	266.2	7.6
20°-30°	404.9	11.5
30°-40°	492.3	14.0
40°-50°	520.9	14.8
50°-60°	488.3	13.9
60°-70°	401.7	11.4
70°-80°	277.9	7.9
80°-90°	154.5	4.4
90°-100°	101.8	2.9
100°-110°	91.3	2.6
110°-120°	75.6	2.2
120°-130°	58.4	1.7
130°-140°	41.3	1.2
140°-150°	24.9	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	763.6	21.8
0°-40°	1255.9	35.8
0°-60°	2265.1	64.6
0°-90°	3099.2	88.3
90°-120°	268.7	7.7
90°-150°	393.4	11.2
90°-180°	410.0	11.7
0°-180°	3509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	977	975	967	975	972	93
15°	936	939	939	951	951	264
25°	854	866	877	896	896	394
35°	743	762	788	814	821	465
45°	610	642	681	712	720	471
55°	464	506	555	590	602	416
65°	314	359	415	456	469	312
75°	163	211	273	316	334	173
85°	36	90	151	194	210	42
90°	1	50	107	147	162	2
95°	1	48	104	142	156	0
105°	1	42	97	134	146	1
115°	1	36	82	119	132	1
125°	1	31	70	102	114	1
135°	1	24	59	84	94	1
145°	1	17	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°	974.7	974.7	974.7	974.7	974.7
2.5°	981.3	978.3	968.1	974.7	971.7
5°	977.1	975.3	966.9	974.7	972.3
7.5°	970.5	969.9	963.2	972.3	969.9
10°	961.4	962.6	957.2	966.9	965.1
12.5°	950.0	951.8	949.4	960.2	959.0
15°	936.2	939.2	938.6	951.2	951.2
17.5°	919.4	923.6	926.0	940.4	940.4
20°	899.6	906.2	911.0	926.6	929.0
22.5°	879.7	887.5	894.7	911.0	914.6
25°	854.5	866.5	876.7	895.9	896.5
27.5°	829.8	843.1	856.9	875.5	877.3
30°	802.8	819.6	836.5	854.5	859.9
32.5°	774.0	792.6	811.2	835.3	842.5
35°	742.7	762.5	788.4	813.6	820.8
37.5°	711.5	733.7	763.7	789.6	796.2
40°	679.6	704.3	737.9	764.3	772.2
42.5°	644.2	674.2	710.3	738.5	747.5
45°	610.5	642.4	681.4	712.1	720.5
47.5°	575.1	608.7	650.8	683.2	692.8
50°	537.2	575.7	620.7	653.2	662.2
52.5°	501.8	540.8	588.3	621.9	634.6
55°	464.5	506.0	554.6	589.5	601.5
57.5°	429.6	469.3	521.6	556.4	571.5
60°	390.0	433.9	486.1	524.0	536.0
62.5°	352.7	397.2	451.3	490.3	504.2
65°	314.3	359.3	415.2	456.1	468.7
67.5°	278.2	322.7	379.8	420.0	436.3
70°	238.6	285.4	343.7	385.2	399.0
72.5°	199.5	248.2	307.7	352.1	367.8
75°	163.4	210.9	272.8	316.1	333.5
77.5°	128.6	176.7	239.2	283.6	298.6
80°	93.7	144.2	207.9	251.8	266.2
82.5°	61.9	114.8	177.9	221.7	237.4
85°	36.1	89.5	151.4	193.5	210.3
87.5°	15.6	67.9	126.8	168.3	182.1
90°	0.6	50.5	107.0	147.2	161.6
92.5°	0.6	49.3	104.6	144.2	158.0
95°	0.6	48.1	104.0	142.4	156.2
97.5°	0.6	47.5	102.8	141.2	154.4
100°	0.6	45.7	101.0	138.8	152.0
102.5°	0.6	43.3	99.1	136.4	149.0
105°	0.6	41.5	97.3	134.0	146.0
107.5°	0.6	39.7	94.3	131.0	143.0
110°	0.6	37.9	89.5	128.0	140.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.3	85.9	123.8	136.4
115°	1.2	36.1	82.3	119.0	132.2
117.5°	1.2	35.5	79.3	114.2	128.0
120°	1.2	33.7	76.3	110.0	123.2
122.5°	1.2	31.8	73.3	105.8	119.0
125°	1.2	30.6	70.3	101.6	114.2
127.5°	1.2	28.8	67.9	97.3	108.8
130°	1.2	27.6	64.9	92.5	104.0
132.5°	1.2	25.8	61.9	87.7	98.5
135°	1.2	24.0	58.9	83.5	93.7
137.5°	1.2	21.6	55.3	78.7	88.3
140°	1.2	19.8	50.5	73.9	82.9
142.5°	1.2	18.6	45.7	68.5	76.9
145°	1.2	17.4	40.9	63.1	70.9
147.5°	1.2	16.2	36.7	57.7	64.9
150°	1.2	14.4	32.4	52.9	58.9
152.5°	1.8	13.2	28.8	46.9	52.9
155°	1.8	12.0	25.2	40.3	46.9
157.5°	1.8	10.8	21.6	33.7	40.9
160°	1.8	9.6	18.6	27.6	34.9
162.5°	1.8	9.0	16.2	22.8	29.4
165°	1.8	7.8	13.8	18.6	24.0
167.5°	1.8	6.0	11.4	14.4	19.8
170°	1.8	4.8	9.0	10.2	15.0
172.5°	1.8	3.6	6.6	7.2	7.8
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)