

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: P565770

Luminaire Tested: **2SNX-44HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565770
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-L830-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

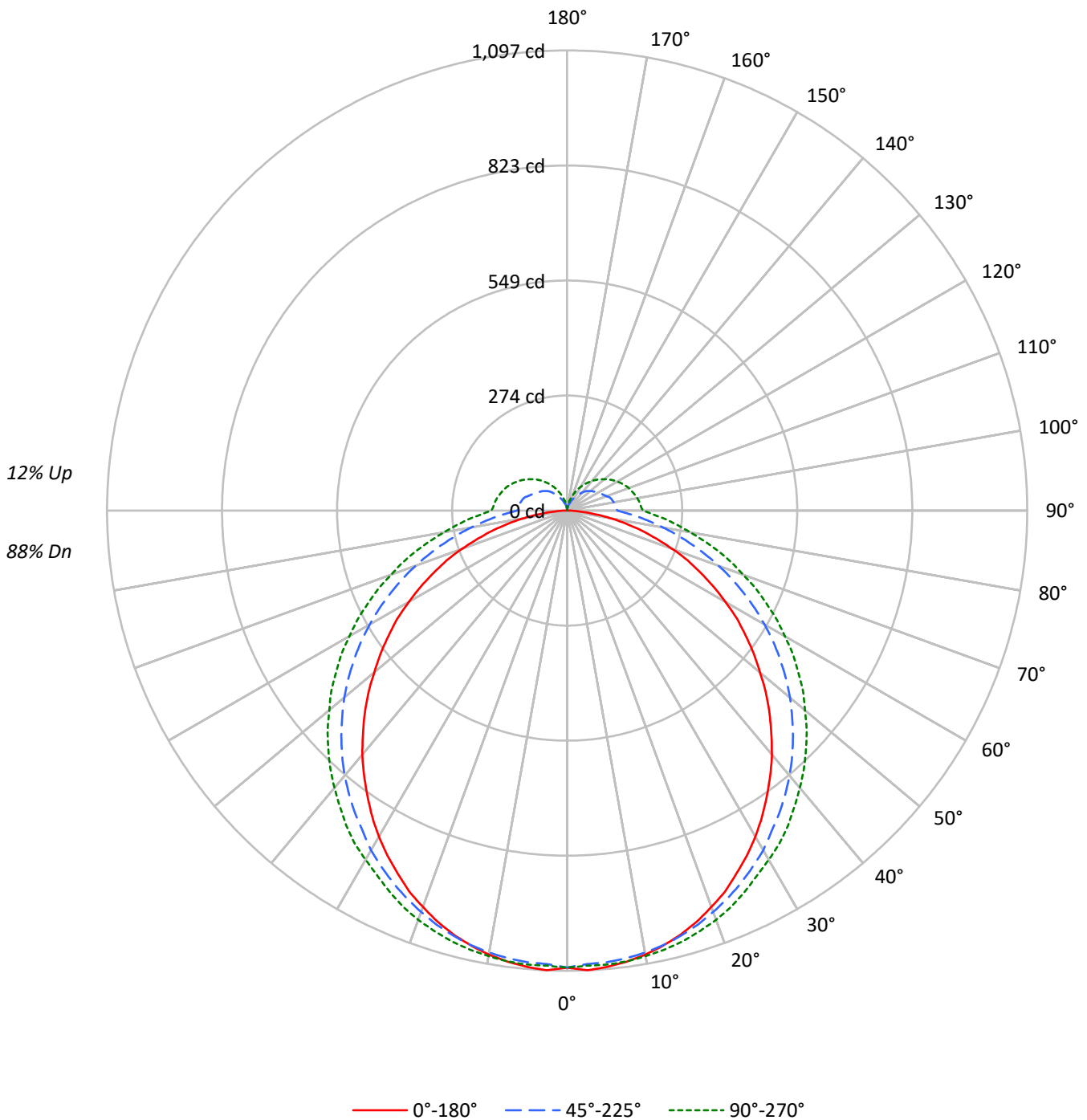
Lumens per Lamp: N/A
Luminaire Lumens: 3922.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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°	23452	23452	23452
5°	23515	22824	22821
10°	23320	22347	22274
15°	23065	21836	21760
20°	22690	21281	21222
25°	22256	20724	20612
30°	21783	20165	20048
35°	21200	19544	19562
40°	20628	18974	18968
45°	19948	18343	18406
50°	19161	17674	17760
55°	18397	16894	17117
60°	17509	16050	16377
65°	16432	15093	15588
70°	15063	14014	14681
75°	13158	12772	13849
80°	10517	11535	12794
85°	6752	10406	12111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	2.6
10°-20°	297.5	7.6
20°-30°	452.6	11.5
30°-40°	550.3	14.0
40°-50°	582.2	14.8
50°-60°	545.7	13.9
60°-70°	448.9	11.4
70°-80°	310.6	7.9
80°-90°	172.7	4.4
90°-100°	113.8	2.9
100°-110°	102.0	2.6
110°-120°	84.5	2.2
120°-130°	65.3	1.7
130°-140°	46.2	1.2
140°-150°	27.9	0.7
150°-160°	13.4	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	853.5	21.8
0°-40°	1403.8	35.8
0°-60°	2531.7	64.6
0°-90°	3464.0	88.3
90°-120°	300.3	7.7
90°-150°	439.7	11.2
90°-180°	458.0	11.7
0°-180°	3922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1092	1090	1081	1089	1087	104
15°	1046	1050	1049	1063	1063	295
25°	955	968	980	1001	1002	440
35°	830	852	881	909	917	520
45°	682	718	762	796	805	526
55°	519	566	620	659	672	465
65°	351	402	464	510	524	348
75°	183	236	305	353	373	194
85°	40	100	169	216	235	46
90°	1	56	120	164	181	3
95°	1	54	116	159	175	1
105°	1	46	109	150	163	1
115°	1	40	92	133	148	1
125°	1	34	79	114	128	1
135°	1	27	66	93	105	1
145°	1	20	46	70	79	1
155°	2	13	28	45	52	1
165°	2	9	15	21	27	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.4	1089.4	1089.4	1089.4	1089.4
2.5°	1096.8	1093.4	1082.0	1089.4	1086.0
5°	1092.1	1090.1	1080.6	1089.4	1086.7
7.5°	1084.7	1084.0	1076.6	1086.7	1084.0
10°	1074.6	1075.9	1069.9	1080.6	1078.6
12.5°	1061.8	1063.9	1061.2	1073.3	1071.9
15°	1046.4	1049.8	1049.1	1063.2	1063.2
17.5°	1027.6	1032.3	1035.0	1051.1	1051.1
20°	1005.4	1012.8	1018.2	1035.6	1038.3
22.5°	983.3	992.0	1000.1	1018.2	1022.2
25°	955.1	968.5	979.9	1001.4	1002.1
27.5°	927.5	942.3	957.7	978.6	980.6
30°	897.3	916.1	934.9	955.1	961.1
32.5°	865.1	885.9	906.7	933.6	941.6
35°	830.1	852.3	881.2	909.4	917.4
37.5°	795.2	820.1	853.6	882.5	889.9
40°	759.6	787.1	824.8	854.3	863.0
42.5°	720.0	753.6	793.9	825.4	835.5
45°	682.4	718.0	761.6	795.9	805.3
47.5°	642.7	680.4	727.4	763.6	774.4
50°	600.4	643.4	693.8	730.1	740.1
52.5°	560.8	604.5	657.5	695.1	709.2
55°	519.2	565.5	619.9	658.9	672.3
57.5°	480.2	524.5	583.0	621.9	638.7
60°	435.9	484.9	543.3	585.7	599.1
62.5°	394.2	443.9	504.4	548.0	563.5
65°	351.3	401.6	464.1	509.8	523.9
67.5°	311.0	360.7	424.5	469.5	487.6
70°	266.6	319.0	384.2	430.5	446.0
72.5°	223.0	277.4	343.9	393.6	411.0
75°	182.7	235.7	304.9	353.3	372.8
77.5°	143.7	197.5	267.3	317.0	333.8
80°	104.8	161.2	232.4	281.4	297.5
82.5°	69.2	128.3	198.8	247.8	265.3
85°	40.3	100.1	169.3	216.3	235.1
87.5°	17.5	75.9	141.7	188.1	203.5
90°	0.7	56.4	119.5	164.5	180.7
92.5°	0.7	55.1	116.9	161.2	176.6
95°	0.7	53.7	116.2	159.2	174.6
97.5°	0.7	53.1	114.8	157.8	172.6
100°	0.7	51.0	112.8	155.1	169.9
102.5°	0.7	48.4	110.8	152.5	166.6
105°	0.7	46.3	108.8	149.8	163.2
107.5°	0.7	44.3	105.4	146.4	159.8
110°	0.7	42.3	100.1	143.1	156.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	41.6	96.0	138.4	152.5
115°	1.3	40.3	92.0	133.0	147.8
117.5°	1.3	39.6	88.7	127.6	143.1
120°	1.3	37.6	85.3	122.9	137.7
122.5°	1.3	35.6	81.9	118.2	133.0
125°	1.3	34.3	78.6	113.5	127.6
127.5°	1.3	32.2	75.9	108.8	121.6
130°	1.3	30.9	72.5	103.4	116.2
132.5°	1.3	28.9	69.2	98.1	110.1
135°	1.3	26.9	65.8	93.4	104.8
137.5°	1.3	24.2	61.8	88.0	98.7
140°	1.3	22.2	56.4	82.6	92.7
142.5°	1.3	20.8	51.0	76.6	86.0
145°	1.3	19.5	45.7	70.5	79.3
147.5°	1.3	18.1	41.0	64.5	72.5
150°	1.3	16.1	36.3	59.1	65.8
152.5°	2.0	14.8	32.2	52.4	59.1
155°	2.0	13.4	28.2	45.0	52.4
157.5°	2.0	12.1	24.2	37.6	45.7
160°	2.0	10.7	20.8	30.9	39.0
162.5°	2.0	10.1	18.1	25.5	32.9
165°	2.0	8.7	15.4	20.8	26.9
167.5°	2.0	6.7	12.8	16.1	22.2
170°	2.0	5.4	10.1	11.4	16.8
172.5°	2.0	4.0	7.4	8.1	8.7
175°	2.0	3.4	4.7	4.7	2.7
177.5°	2.0	2.7	2.7	2.7	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)