

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: P565818

Luminaire Tested: **2SNX-47HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565818
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-47HL-SLW-UNV-L830-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

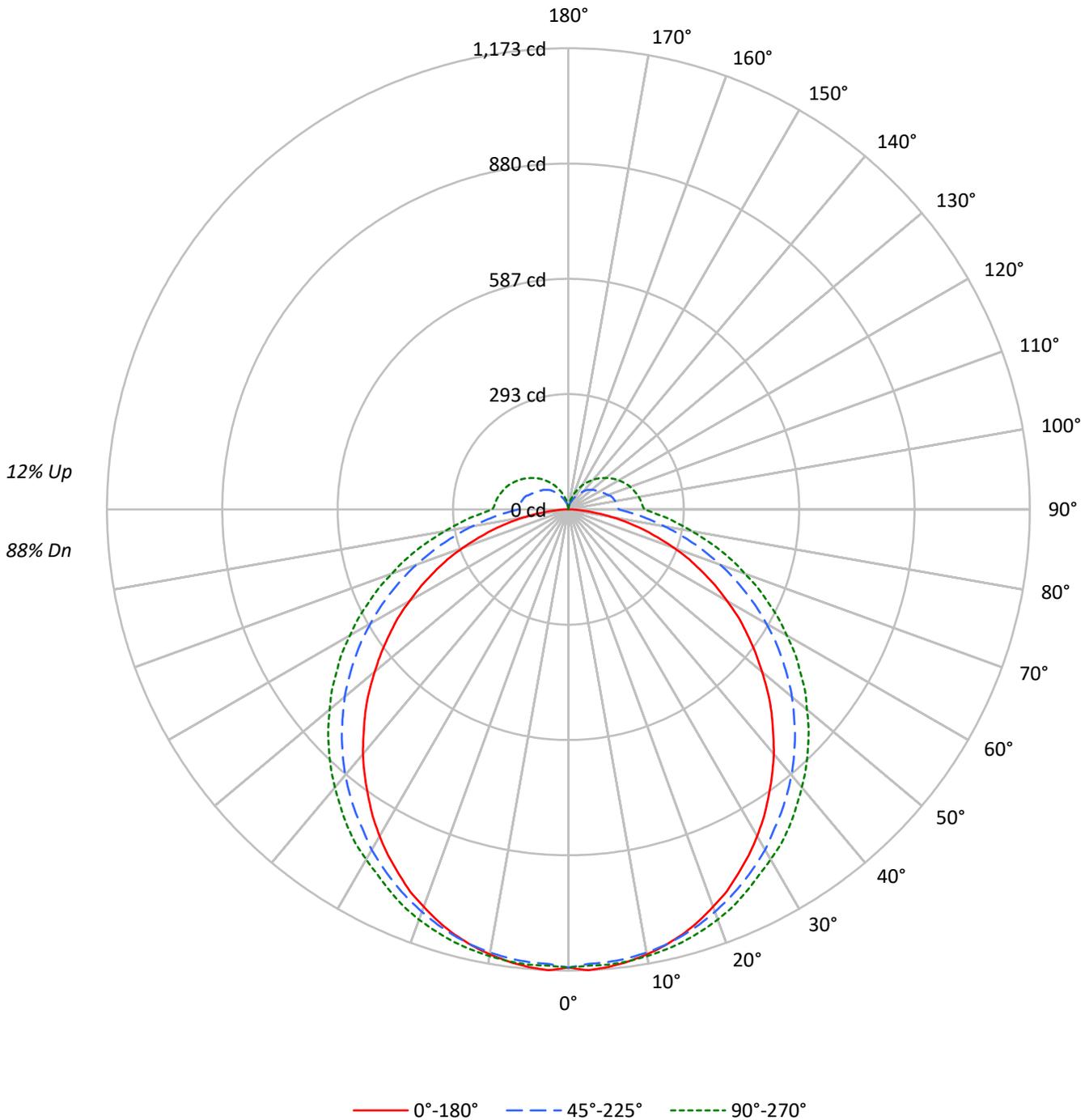
Lumens per Lamp: N/A
Luminaire Lumens: 4195.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 33.7
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°	25084	25084	25084
5°	25151	24415	24408
10°	24943	23903	23825
15°	24670	23356	23275
20°	24270	22763	22700
25°	23803	22166	22046
30°	23301	21569	21444
35°	22676	20904	20925
40°	22065	20295	20289
45°	21336	19619	19686
50°	20495	18904	18998
55°	19676	18072	18309
60°	18726	17170	17517
65°	17574	16143	16672
70°	16114	14988	15702
75°	14073	13660	14811
80°	11250	12339	13684
85°	7221	11125	12951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	2.6
10°-20°	318.2	7.6
20°-30°	484.1	11.5
30°-40°	588.6	14.0
40°-50°	622.7	14.8
50°-60°	583.7	13.9
60°-70°	480.2	11.4
70°-80°	332.3	7.9
80°-90°	184.7	4.4
90°-100°	121.7	2.9
100°-110°	109.1	2.6
110°-120°	90.3	2.2
120°-130°	69.8	1.7
130°-140°	49.4	1.2
140°-150°	29.8	0.7
150°-160°	14.3	0.3
160°-170°	4.7	0.1
170°-180°	0.6	0.0
0°-30°	912.9	21.8
0°-40°	1501.5	35.8
0°-60°	2707.9	64.6
0°-90°	3705.1	88.3
90°-120°	321.2	7.7
90°-150°	470.3	11.2
90°-180°	490.0	11.7
0°-180°	4195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1165	1165	1165	1165	1165	
5°	1168	1166	1156	1165	1162	111
15°	1119	1123	1122	1137	1137	315
25°	1022	1036	1048	1071	1072	471
35°	888	912	942	973	981	556
45°	730	768	815	851	861	563
55°	555	605	663	705	719	497
65°	376	430	496	545	560	373
75°	195	252	326	378	399	207
85°	43	107	181	231	251	50
90°	1	60	128	176	193	3
95°	1	58	124	170	187	1
105°	1	50	116	160	175	1
115°	1	43	98	142	158	1
125°	1	37	84	121	136	1
135°	1	29	70	100	112	1
145°	1	21	49	75	85	1
155°	2	14	30	48	56	1
165°	2	9	16	22	29	1
175°	2	4	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°	1165.2	1165.2	1165.2	1165.2	1165.2
2.5°	1173.1	1169.5	1157.3	1165.2	1161.6
5°	1168.1	1165.9	1155.9	1165.2	1162.3
7.5°	1160.2	1159.5	1151.6	1162.3	1159.5
10°	1149.4	1150.8	1144.4	1155.9	1153.7
12.5°	1135.8	1137.9	1135.0	1148.0	1146.5
15°	1119.2	1122.8	1122.1	1137.2	1137.2
17.5°	1099.1	1104.1	1107.0	1124.3	1124.3
20°	1075.4	1083.3	1089.1	1107.7	1110.6
22.5°	1051.7	1061.0	1069.7	1089.1	1093.4
25°	1021.5	1035.9	1048.1	1071.1	1071.8
27.5°	992.1	1007.9	1024.4	1046.7	1048.8
30°	959.8	979.9	1000.0	1021.5	1028.0
32.5°	925.3	947.5	969.8	998.5	1007.2
35°	887.9	911.6	942.5	972.7	981.3
37.5°	850.6	877.1	913.1	943.9	951.9
40°	812.5	841.9	882.2	913.8	923.1
42.5°	770.1	806.0	849.1	882.9	893.7
45°	729.9	767.9	814.6	851.3	861.3
47.5°	687.5	727.7	778.0	816.8	828.3
50°	642.2	688.2	742.1	780.9	791.7
52.5°	599.8	646.5	703.3	743.5	758.6
55°	555.3	604.9	663.1	704.7	719.1
57.5°	513.6	561.1	623.6	665.2	683.2
60°	466.2	518.7	581.2	626.4	640.8
62.5°	421.7	474.8	539.5	586.2	602.7
65°	375.7	429.6	496.4	545.2	560.3
67.5°	332.6	385.8	454.0	502.1	521.5
70°	285.2	341.2	410.9	460.5	477.0
72.5°	238.5	296.7	367.8	421.0	439.6
75°	195.4	252.2	326.1	377.9	398.7
77.5°	153.7	211.2	285.9	339.1	357.0
80°	112.1	172.4	248.6	301.0	318.2
82.5°	74.0	137.2	212.6	265.1	283.8
85°	43.1	107.0	181.0	231.3	251.4
87.5°	18.7	81.2	151.6	201.1	217.7
90°	0.7	60.3	127.9	176.0	193.2
92.5°	0.7	58.9	125.0	172.4	188.9
95°	0.7	57.5	124.3	170.3	186.8
97.5°	0.7	56.8	122.8	168.8	184.6
100°	0.7	54.6	120.7	165.9	181.7
102.5°	0.7	51.7	118.5	163.1	178.2
105°	0.7	49.6	116.4	160.2	174.6
107.5°	0.7	47.4	112.8	156.6	171.0
110°	0.7	45.3	107.0	153.0	167.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	44.5	102.7	148.0	163.1
115°	1.4	43.1	98.4	142.2	158.0
117.5°	1.4	42.4	94.8	136.5	153.0
120°	1.4	40.2	91.2	131.5	147.3
122.5°	1.4	38.1	87.6	126.4	142.2
125°	1.4	36.6	84.1	121.4	136.5
127.5°	1.4	34.5	81.2	116.4	130.0
130°	1.4	33.0	77.6	110.6	124.3
132.5°	1.4	30.9	74.0	104.9	117.8
135°	1.4	28.7	70.4	99.9	112.1
137.5°	1.4	25.9	66.1	94.1	105.6
140°	1.4	23.7	60.3	88.4	99.1
142.5°	1.4	22.3	54.6	81.9	92.0
145°	1.4	20.8	48.8	75.4	84.8
147.5°	1.4	19.4	43.8	69.0	77.6
150°	1.4	17.2	38.8	63.2	70.4
152.5°	2.2	15.8	34.5	56.0	63.2
155°	2.2	14.4	30.2	48.1	56.0
157.5°	2.2	12.9	25.9	40.2	48.8
160°	2.2	11.5	22.3	33.0	41.7
162.5°	2.2	10.8	19.4	27.3	35.2
165°	2.2	9.3	16.5	22.3	28.7
167.5°	2.2	7.2	13.6	17.2	23.7
170°	2.2	5.7	10.8	12.2	18.0
172.5°	2.2	4.3	7.9	8.6	9.3
175°	2.2	3.6	5.0	5.0	2.9
177.5°	2.2	2.9	2.9	2.9	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)