

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: P566499

Luminaire Tested: **4SNX-48SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-LW-UNV-L935-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

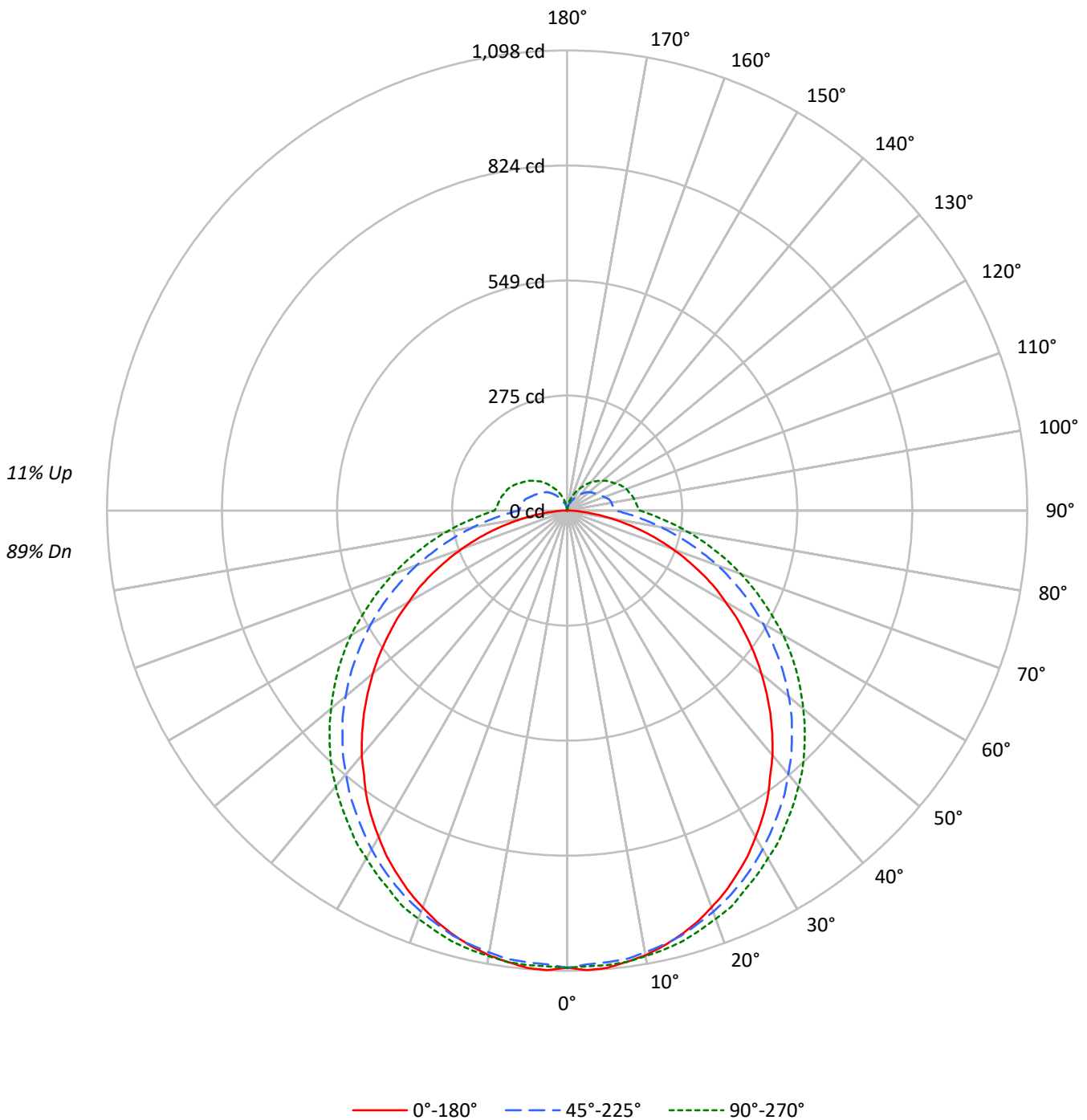
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882.9 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 32.1
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	105	105	105		98	98	98		92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83		84	81	79		79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68		73	68	64		68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56		64	58	54		60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47		57	50	46		53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41		51	44	39		48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35		46	39	34		43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31		42	35	30		39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28		38	32	27		36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25		35	29	24		33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23		32	26	22		31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11740	11740	11740
5°	11791	11197	11113
10°	11689	10751	10558
15°	11550	10319	10058
20°	11368	9871	9557
25°	11162	9440	9067
30°	10919	8998	8599
35°	10653	8554	8159
40°	10351	8121	7741
45°	10023	7687	7312
50°	9652	7240	6862
55°	9242	6741	6421
60°	8760	6221	5955
65°	8256	5661	5423
70°	7557	5063	4899
75°	6637	4369	4344
80°	5189	3665	3791
85°	3388	3015	3222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	2.7
10°-20°	297.8	7.7
20°-30°	452.8	11.7
30°-40°	549.6	14.2
40°-50°	580.8	15.0
50°-60°	543.5	14.0
60°-70°	445.9	11.5
70°-80°	306.7	7.9
80°-90°	168.0	4.3
90°-100°	108.2	2.8
100°-110°	97.1	2.5
110°-120°	80.3	2.1
120°-130°	61.9	1.6
130°-140°	43.5	1.1
140°-150°	26.2	0.7
150°-160°	12.5	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	854.2	22.0
0°-40°	1403.8	36.2
0°-60°	2528.1	65.1
0°-90°	3448.8	88.8
90°-120°	285.5	7.4
90°-150°	417.0	10.7
90°-180°	434.0	11.2
0°-180°	3882.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1095	1093	1082	1091	1088	104
15°	1048	1052	1050	1064	1064	296
25°	958	969	980	1001	1001	441
35°	834	855	879	904	911	521
45°	686	717	758	792	801	529
55°	522	564	616	654	668	467
65°	353	400	461	504	517	350
75°	184	234	301	349	364	194
85°	40	97	164	209	225	47
90°	0	54	115	157	173	3
95°	0	52	110	151	166	0
105°	0	43	104	142	155	1
115°	2	38	88	126	142	2
125°	2	32	74	108	121	2
135°	2	25	61	88	99	2
145°	2	18	43	68	74	1
155°	2	11	27	43	50	1
165°	2	7	14	20	25	1
175°	2	2	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°	1090.7	1090.7	1090.7	1090.7	1090.7
2.5°	1097.5	1095.2	1084.0	1093.0	1088.5
5°	1095.2	1093.0	1081.7	1090.7	1088.5
7.5°	1086.2	1086.2	1079.5	1088.5	1086.2
10°	1077.3	1077.3	1070.5	1081.7	1079.5
12.5°	1063.8	1066.0	1061.5	1075.0	1072.8
15°	1048.0	1052.5	1050.3	1063.8	1063.8
17.5°	1030.0	1034.5	1034.5	1050.3	1050.3
20°	1007.5	1014.3	1018.8	1036.8	1036.8
22.5°	985.0	994.0	1000.8	1016.5	1023.3
25°	958.1	969.3	980.5	1000.8	1000.8
27.5°	931.1	944.6	958.1	978.3	980.5
30°	899.6	915.3	933.3	953.6	958.1
32.5°	868.1	888.3	906.3	931.1	937.8
35°	834.4	854.6	879.3	904.1	910.8
37.5°	796.1	820.9	852.4	879.3	886.1
40°	762.4	789.4	820.9	852.4	859.1
42.5°	724.2	753.4	791.6	820.9	832.1
45°	685.9	717.4	757.9	791.6	800.6
47.5°	645.5	681.4	726.4	757.9	769.1
50°	605.0	643.2	690.4	726.4	735.4
52.5°	564.5	605.0	654.4	690.4	701.7
55°	521.8	564.5	616.2	654.4	667.9
57.5°	481.3	524.0	578.0	618.5	632.0
60°	436.3	485.8	539.7	580.2	596.0
62.5°	398.1	443.0	501.5	542.0	555.5
65°	353.1	400.3	461.0	503.8	517.3
67.5°	310.4	359.8	420.6	465.5	479.0
70°	267.6	317.1	382.3	425.1	440.8
72.5°	224.9	276.6	339.6	386.8	402.6
75°	184.4	233.9	301.4	348.6	364.3
77.5°	141.7	195.7	263.1	310.4	328.3
80°	103.5	159.7	227.1	274.4	292.4
82.5°	69.7	125.9	193.4	240.6	258.6
85°	40.5	96.7	164.2	209.2	224.9
87.5°	20.2	74.2	137.2	182.2	197.9
90°	0.0	54.0	114.7	157.4	173.2
92.5°	0.0	51.7	112.4	152.9	168.7
95°	0.0	51.7	110.2	150.7	166.4
97.5°	0.0	49.5	107.9	150.7	164.2
100°	0.0	47.2	107.9	148.4	161.9
102.5°	0.0	45.0	105.7	146.2	159.7
105°	0.0	42.7	103.5	141.7	155.2
107.5°	2.2	42.7	99.0	139.4	152.9
110°	2.2	40.5	94.5	137.2	150.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	38.2	90.0	132.7	146.2
115°	2.2	38.2	87.7	125.9	141.7
117.5°	2.2	36.0	83.2	121.4	137.2
120°	2.2	36.0	81.0	116.9	130.4
122.5°	2.2	33.7	76.5	112.4	125.9
125°	2.2	31.5	74.2	107.9	121.4
127.5°	2.2	29.2	72.0	103.5	116.9
130°	2.2	27.0	67.5	99.0	110.2
132.5°	2.2	27.0	65.2	92.2	105.7
135°	2.2	24.7	60.7	87.7	99.0
137.5°	2.2	22.5	56.2	83.2	94.5
140°	2.2	20.2	51.7	78.7	87.7
142.5°	2.2	20.2	47.2	72.0	81.0
145°	2.2	18.0	42.7	67.5	74.2
147.5°	2.2	15.7	38.2	60.7	67.5
150°	2.2	15.7	33.7	54.0	60.7
152.5°	2.2	13.5	29.2	49.5	56.2
155°	2.2	11.2	27.0	42.7	49.5
157.5°	2.2	11.2	22.5	36.0	42.7
160°	2.2	9.0	20.2	29.2	36.0
162.5°	2.2	9.0	18.0	24.7	31.5
165°	2.2	6.7	13.5	20.2	24.7
167.5°	2.2	6.7	11.2	15.7	20.2
170°	2.2	4.5	9.0	11.2	15.7
172.5°	2.2	4.5	6.7	6.7	6.7
175°	2.2	2.2	4.5	4.5	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)