

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: P566506

Luminaire Tested: **4SNX-48SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566506
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-SLW-UNV-L930-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

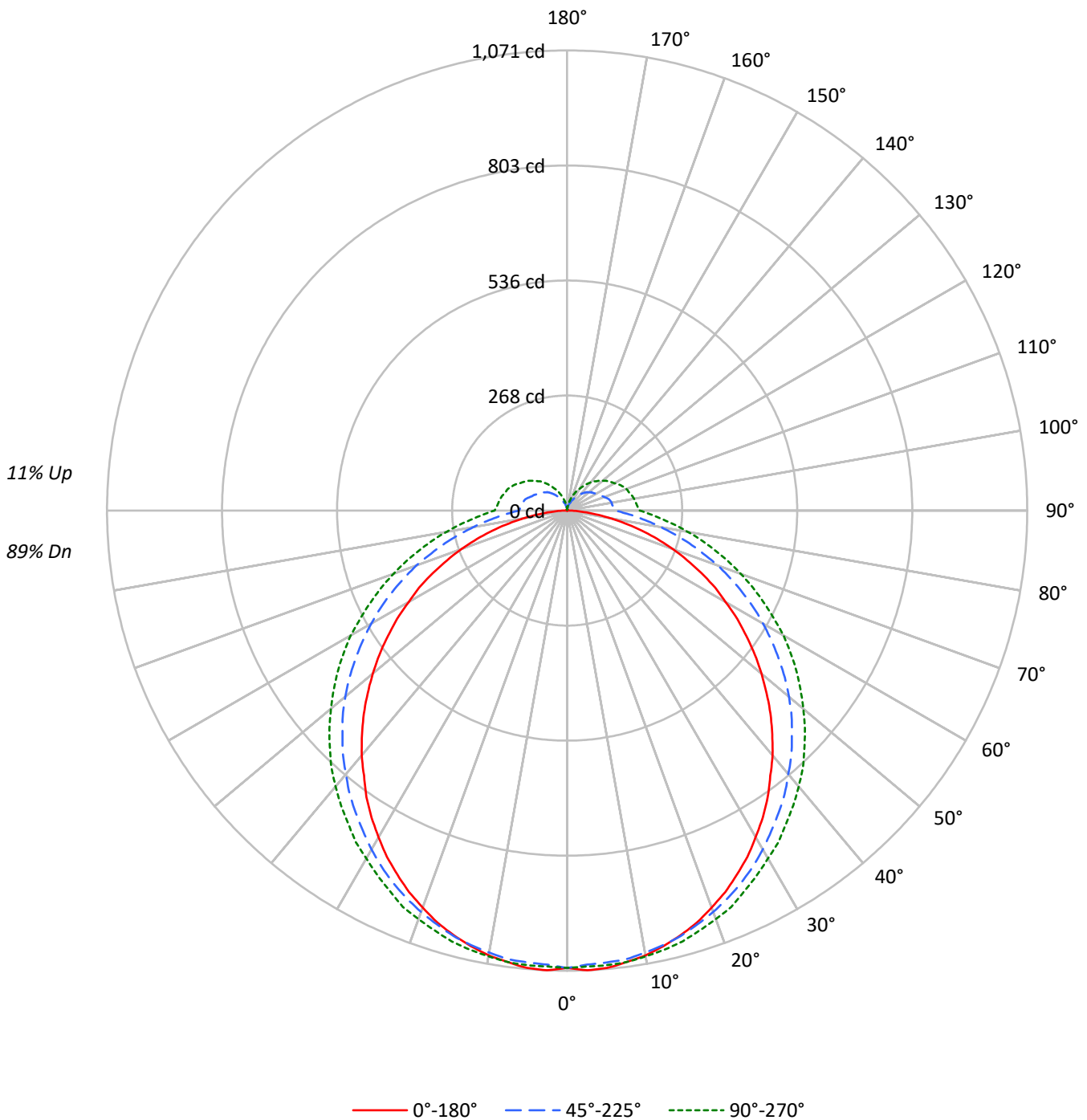
Lumens per Lamp: N/A
Luminaire Lumens: 3789.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	76	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°	11456	11456	11456
5°	11526	11162	11152
10°	11448	10936	10877
15°	11332	10705	10622
20°	11177	10439	10339
25°	10997	10180	10044
30°	10781	9894	9751
35°	10546	9599	9476
40°	10274	9307	9213
45°	9981	9011	8928
50°	9646	8696	8610
55°	9279	8320	8298
60°	8846	7918	7948
65°	8400	7465	7509
70°	7774	6967	7079
75°	6948	6334	6603
80°	5596	5689	6134
85°	3943	5138	5654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	2.7
10°-20°	290.6	7.7
20°-30°	441.8	11.7
30°-40°	536.3	14.2
40°-50°	566.7	15.0
50°-60°	530.3	14.0
60°-70°	435.1	11.5
70°-80°	299.3	7.9
80°-90°	163.9	4.3
90°-100°	105.5	2.8
100°-110°	94.7	2.5
110°-120°	78.4	2.1
120°-130°	60.4	1.6
130°-140°	42.4	1.1
140°-150°	25.6	0.7
150°-160°	12.2	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	833.5	22.0
0°-40°	1369.8	36.2
0°-60°	2466.9	65.1
0°-90°	3365.3	88.8
90°-120°	278.6	7.4
90°-150°	407.0	10.7
90°-180°	424.0	11.2
0°-180°	3789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1069	1066	1056	1064	1062	101
15°	1023	1027	1025	1038	1038	288
25°	935	946	957	977	977	431
35°	814	834	858	882	889	509
45°	669	700	740	772	781	516
55°	509	551	601	639	652	456
65°	344	391	450	492	505	341
75°	180	228	294	340	356	189
85°	40	94	160	204	220	46
90°	0	53	112	154	169	3
95°	0	50	108	147	162	0
105°	0	42	101	138	151	1
115°	2	37	86	123	138	2
125°	2	31	72	105	118	2
135°	2	24	59	86	97	2
145°	2	18	42	66	72	1
155°	2	11	26	42	48	1
165°	2	7	13	20	24	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°	1064.3	1064.3	1064.3	1064.3	1064.3
2.5°	1070.9	1068.7	1057.8	1066.5	1062.1
5°	1068.7	1066.5	1055.6	1064.3	1062.1
7.5°	1059.9	1059.9	1053.4	1062.1	1059.9
10°	1051.2	1051.2	1044.6	1055.6	1053.4
12.5°	1038.0	1040.2	1035.8	1049.0	1046.8
15°	1022.6	1027.0	1024.8	1038.0	1038.0
17.5°	1005.1	1009.5	1009.5	1024.8	1024.8
20°	983.1	989.7	994.1	1011.7	1011.7
22.5°	961.2	970.0	976.6	991.9	998.5
25°	934.9	945.8	956.8	976.6	976.6
27.5°	908.5	921.7	934.9	954.6	956.8
30°	877.8	893.2	910.7	930.5	934.9
32.5°	847.1	866.8	884.4	908.5	915.1
35°	814.2	833.9	858.1	882.2	888.8
37.5°	776.9	801.0	831.7	858.1	864.6
40°	743.9	770.3	801.0	831.7	838.3
42.5°	706.6	735.2	772.5	801.0	812.0
45°	669.3	700.0	739.6	772.5	781.2
47.5°	629.8	664.9	708.8	739.6	750.5
50°	590.3	627.6	673.7	708.8	717.6
52.5°	550.8	590.3	638.6	673.7	684.7
55°	509.1	550.8	601.3	638.6	651.8
57.5°	469.6	511.3	564.0	603.5	616.7
60°	425.7	474.0	526.7	566.2	581.5
62.5°	388.4	432.3	489.4	528.9	542.0
65°	344.5	390.6	449.9	491.6	504.7
67.5°	302.8	351.1	410.4	454.3	467.4
70°	261.1	309.4	373.1	414.8	430.1
72.5°	219.5	269.9	331.4	377.5	392.8
75°	180.0	228.2	294.1	340.1	355.5
77.5°	138.3	190.9	256.8	302.8	320.4
80°	100.9	155.8	221.6	267.7	285.3
82.5°	68.0	122.9	188.7	234.8	252.4
85°	39.5	94.4	160.2	204.1	219.5
87.5°	19.8	72.4	133.9	177.8	193.1
90°	0.0	52.7	111.9	153.6	169.0
92.5°	0.0	50.5	109.7	149.2	164.6
95°	0.0	50.5	107.5	147.0	162.4
97.5°	0.0	48.3	105.3	147.0	160.2
100°	0.0	46.1	105.3	144.8	158.0
102.5°	0.0	43.9	103.1	142.6	155.8
105°	0.0	41.7	100.9	138.3	151.4
107.5°	2.2	41.7	96.6	136.1	149.2
110°	2.2	39.5	92.2	133.9	147.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.3	87.8	129.5	142.6
115°	2.2	37.3	85.6	122.9	138.3
117.5°	2.2	35.1	81.2	118.5	133.9
120°	2.2	35.1	79.0	114.1	127.3
122.5°	2.2	32.9	74.6	109.7	122.9
125°	2.2	30.7	72.4	105.3	118.5
127.5°	2.2	28.5	70.2	100.9	114.1
130°	2.2	26.3	65.8	96.6	107.5
132.5°	2.2	26.3	63.6	90.0	103.1
135°	2.2	24.1	59.3	85.6	96.6
137.5°	2.2	21.9	54.9	81.2	92.2
140°	2.2	19.8	50.5	76.8	85.6
142.5°	2.2	19.8	46.1	70.2	79.0
145°	2.2	17.6	41.7	65.8	72.4
147.5°	2.2	15.4	37.3	59.3	65.8
150°	2.2	15.4	32.9	52.7	59.3
152.5°	2.2	13.2	28.5	48.3	54.9
155°	2.2	11.0	26.3	41.7	48.3
157.5°	2.2	11.0	21.9	35.1	41.7
160°	2.2	8.8	19.8	28.5	35.1
162.5°	2.2	8.8	17.6	24.1	30.7
165°	2.2	6.6	13.2	19.8	24.1
167.5°	2.2	6.6	11.0	15.4	19.8
170°	2.2	4.4	8.8	11.0	15.4
172.5°	2.2	4.4	6.6	6.6	6.6
175°	2.2	2.2	4.4	4.4	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)