

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: P566480

Luminaire Tested: **4SNX-48SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-LC-UNV-L840-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

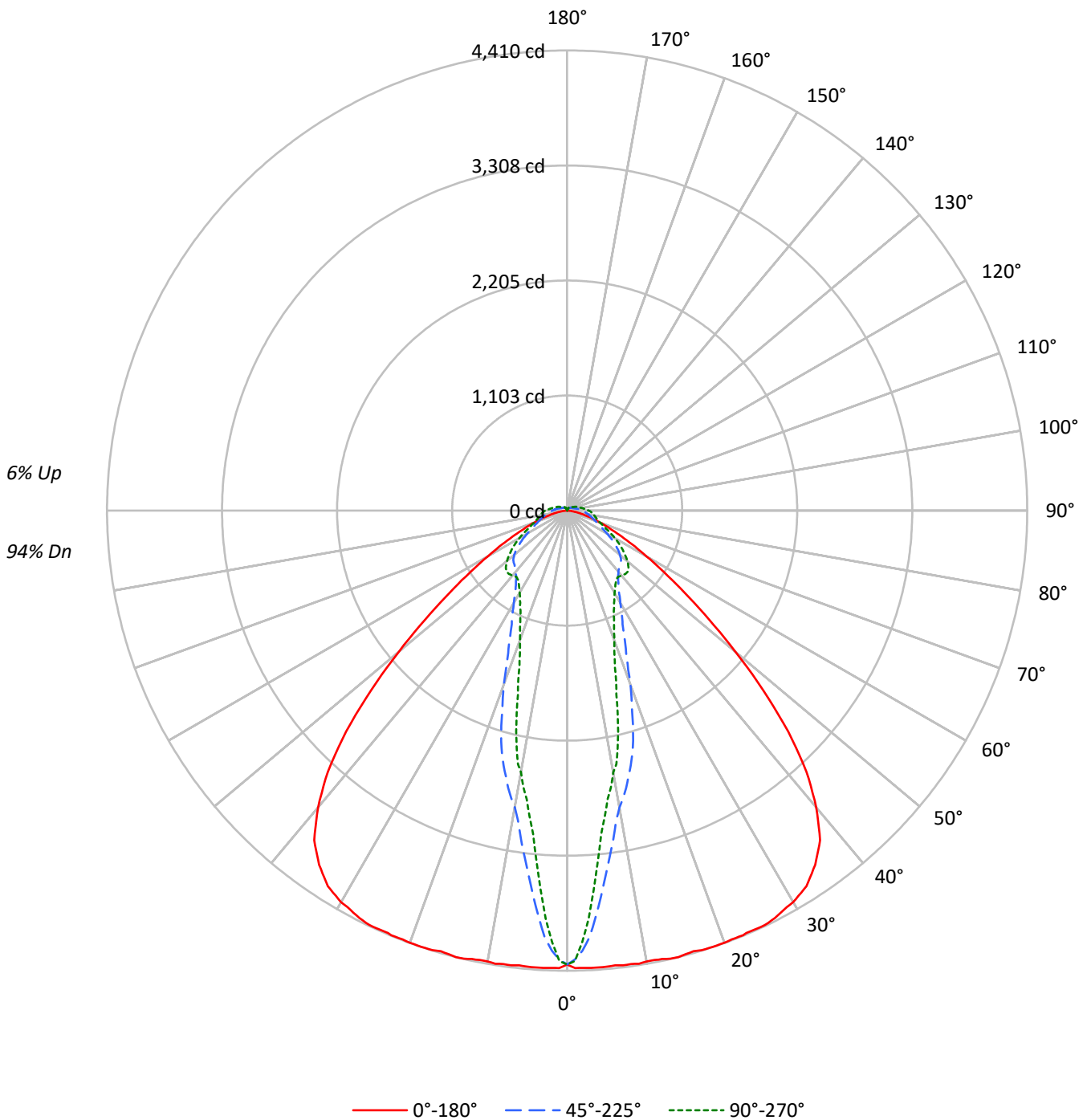
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5362.0 lumens
Efficiency: N/A
Efficacy: 167.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.1
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46822	46822	46822
5°	47245	38458	34424
10°	47615	29032	24913
15°	48484	23731	17251
20°	49734	17172	12183
25°	51286	12303	9585
30°	52595	9829	8163
35°	52907	8314	7311
40°	50440	7557	7329
45°	43771	7302	7530
50°	33580	6944	7026
55°	24335	6073	6234
60°	17655	5069	5271
65°	12850	4286	4321
70°	9466	3785	3725
75°	6727	3505	3473
80°	4407	3281	3420
85°	2066	3129	3426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.1	6.4
10°-20°	742.9	13.9
20°-30°	850.3	15.9
30°-40°	851.8	15.9
40°-50°	806.4	15.0
50°-60°	618.4	11.5
60°-70°	398.6	7.4
70°-80°	254.2	4.7
80°-90°	168.8	3.1
90°-100°	113.5	2.1
100°-110°	74.8	1.4
110°-120°	52.0	1.0
120°-130°	36.3	0.7
130°-140°	25.2	0.5
140°-150°	15.4	0.3
150°-160°	7.8	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1935.3	36.1
0°-40°	2787.1	52.0
0°-60°	4211.8	78.6
0°-90°	5033.5	93.9
90°-120°	240.2	4.5
90°-150°	317.1	5.9
90°-180°	329.0	6.1
0°-180°	5362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4350	4350	4350	4350	4350	
5°	4388	4147	3715	3465	3372	419
15°	4399	3168	2415	1984	1825	1248
25°	4402	2242	1278	1110	1058	2029
35°	4144	1248	855	827	816	2571
45°	2995	789	720	797	824	2277
55°	1374	563	555	624	648	1263
65°	550	354	349	398	412	565
75°	187	192	242	278	291	205
85°	25	88	170	223	239	34
90°	0	60	143	198	206	1
95°	0	44	118	162	170	0
105°	0	33	77	110	118	2
115°	3	28	58	80	85	3
125°	3	25	50	58	60	2
135°	3	19	38	47	50	2
145°	3	14	28	36	38	2
155°	3	8	16	25	28	1
165°	6	6	11	14	16	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4349.9	4349.9	4349.9	4349.9	4349.9
1°	4385.6	4360.9	4303.2	4319.7	4316.9
2°	4385.6	4333.4	4220.8	4187.8	4138.3
3°	4388.4	4286.7	4094.4	3987.2	3918.5
4°	4388.4	4218.0	3907.5	3728.9	3641.0
5°	4388.4	4146.6	3715.2	3465.1	3371.7
6°	4382.9	4061.4	3520.1	3256.3	3116.1
7°	4391.1	3968.0	3344.2	3061.2	2951.2
8°	4388.4	3858.0	3182.1	2912.8	2791.9
9°	4396.6	3750.9	3006.2	2772.6	2681.9
10°	4388.4	3651.9	2890.8	2640.7	2547.3
11°	4388.4	3555.8	2808.3	2555.5	2475.9
12°	4393.9	3445.9	2717.7	2434.6	2324.7
13°	4407.6	3333.2	2613.2	2302.7	2173.6
14°	4410.4	3248.0	2517.1	2135.1	2000.5
15°	4399.4	3168.3	2415.4	1984.0	1824.6
16°	4393.9	3085.9	2294.5	1841.1	1698.2
17°	4404.9	2989.7	2157.1	1695.4	1563.6
18°	4407.6	2901.8	2011.5	1585.5	1470.1
19°	4407.6	2833.1	1893.3	1483.9	1384.9
20°	4407.6	2767.1	1772.4	1406.9	1321.7
21°	4402.1	2684.7	1635.0	1327.2	1255.8
22.5°	4404.9	2530.8	1478.4	1233.8	1176.1
23°	4396.6	2492.3	1439.9	1209.1	1148.6
24°	4399.4	2382.4	1357.5	1159.6	1101.9
25°	4402.1	2242.3	1277.8	1110.1	1057.9
26°	4396.6	2129.6	1211.8	1063.4	1027.7
27°	4382.9	2038.9	1165.1	1025.0	992.0
28°	4363.7	1918.0	1115.6	992.0	961.8
29°	4344.4	1780.6	1066.2	956.3	934.3
30°	4333.4	1670.7	1019.5	928.8	909.6
32.5°	4267.5	1453.6	923.3	873.8	857.3
35°	4143.8	1247.5	854.6	827.1	816.1
37.5°	3981.7	1088.2	802.4	796.9	799.6
40°	3715.2	961.8	763.9	788.6	813.4
42.5°	3396.4	862.8	736.4	796.9	824.4
45°	2995.2	788.6	719.9	796.9	824.4
47.5°	2550.0	728.2	700.7	769.4	796.9
50°	2104.9	673.2	662.2	728.2	752.9
52.5°	1711.9	621.0	612.8	676.0	700.7
55°	1373.9	563.3	555.1	623.8	648.5
57.5°	1101.9	508.4	500.1	563.3	588.0
60°	879.3	453.4	439.7	502.9	527.6
62.5°	700.7	401.2	392.9	447.9	469.9
65°	549.6	354.5	349.0	398.4	412.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	434.2	310.5	313.3	354.5	371.0
70°	335.2	269.3	285.8	324.3	335.2
72.5°	252.8	228.1	263.8	296.8	310.5
75°	186.9	192.4	241.8	277.5	291.3
77.5°	129.2	159.4	222.6	261.0	274.8
80°	87.9	129.2	203.3	247.3	263.8
82.5°	52.2	107.2	186.9	233.6	252.8
85°	24.7	87.9	170.4	222.6	239.1
87.5°	8.2	71.4	153.9	211.6	225.3
90°	0.0	60.5	142.9	197.8	206.1
92.5°	0.0	52.2	129.2	181.4	186.9
95°	0.0	44.0	118.2	162.1	170.4
97.5°	0.0	41.2	109.9	145.6	156.6
100°	0.0	38.5	98.9	131.9	142.9
102.5°	0.0	33.0	87.9	118.2	129.2
105°	0.0	33.0	76.9	109.9	118.2
107.5°	2.7	30.2	71.4	98.9	109.9
110°	2.7	30.2	63.2	93.4	101.7
112.5°	2.7	30.2	60.5	85.2	96.2
115°	2.7	27.5	57.7	79.7	85.2
117.5°	2.7	27.5	55.0	71.4	76.9
120°	2.7	24.7	52.2	65.9	68.7
122.5°	2.7	24.7	49.5	60.5	63.2
125°	2.7	24.7	49.5	57.7	60.5
127.5°	2.7	22.0	46.7	55.0	55.0
130°	2.7	22.0	44.0	52.2	52.2
132.5°	2.7	19.2	41.2	49.5	52.2
135°	2.7	19.2	38.5	46.7	49.5
137.5°	2.7	16.5	35.7	44.0	46.7
140°	2.7	16.5	33.0	41.2	44.0
142.5°	2.7	13.7	30.2	38.5	41.2
145°	2.7	13.7	27.5	35.7	38.5
147.5°	2.7	13.7	24.7	33.0	35.7
150°	2.7	11.0	22.0	30.2	33.0
152.5°	2.7	11.0	19.2	27.5	30.2
155°	2.7	8.2	16.5	24.7	27.5
157.5°	2.7	8.2	16.5	22.0	24.7
160°	5.5	8.2	13.7	19.2	22.0
162.5°	2.7	5.5	13.7	16.5	19.2
165°	5.5	5.5	11.0	13.7	16.5
167.5°	5.5	5.5	8.2	11.0	13.7
170°	5.5	5.5	8.2	8.2	11.0
172.5°	5.5	5.5	5.5	8.2	5.5
175°	5.5	5.5	5.5	5.5	2.7
177.5°	5.5	5.5	5.5	5.5	2.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)