

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: P566481

Luminaire Tested: **4SNX-48SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566481
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-L850-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

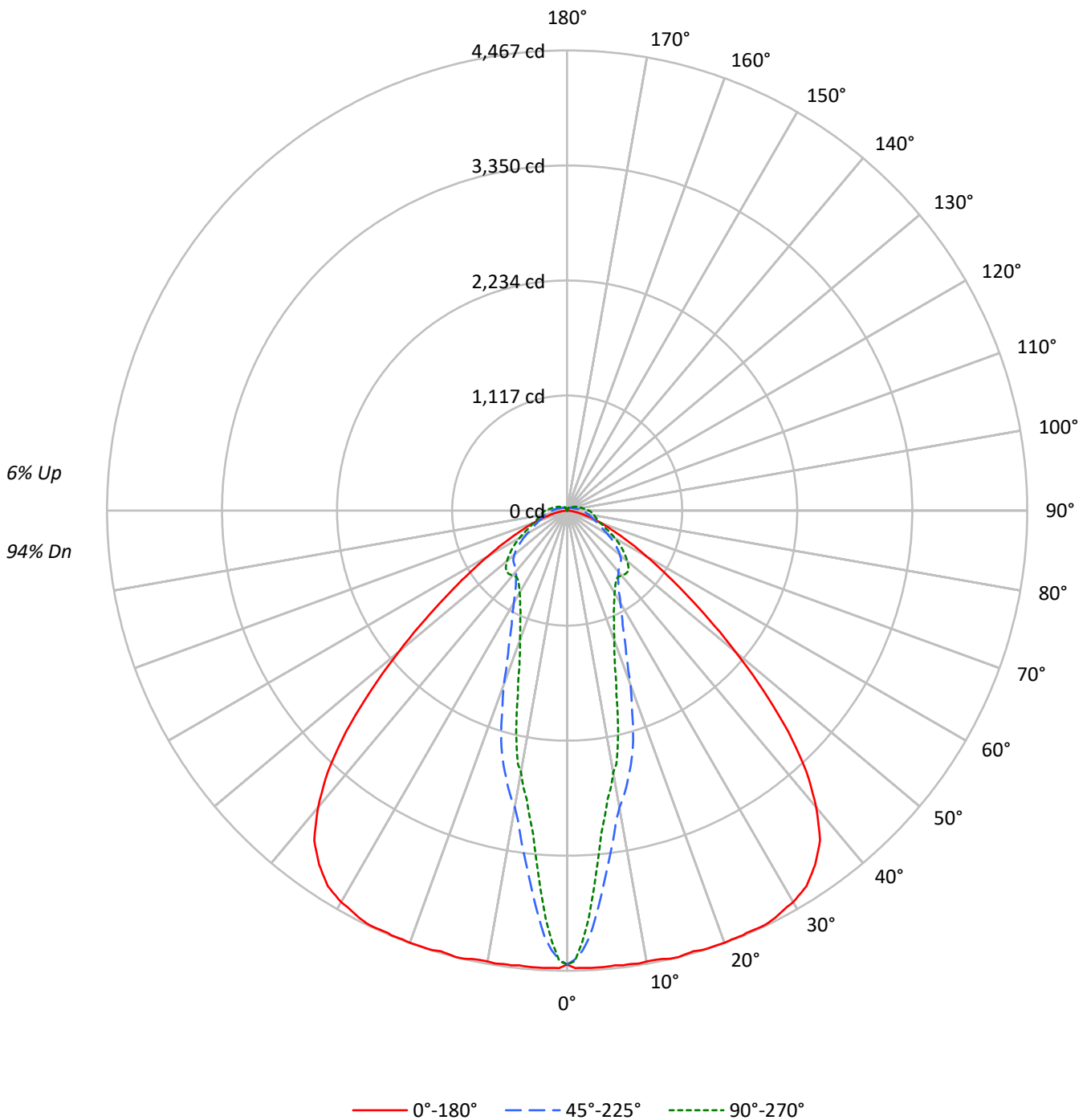
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5431.0 lumens
Efficiency: N/A
Efficacy: 169.2 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 (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	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°	47425	47425	47425
5°	47853	38952	34867
10°	48228	29406	25234
15°	49108	24037	17473
20°	50373	17393	12340
25°	51946	12460	9709
30°	53272	9955	8268
35°	53588	8421	7405
40°	51089	7654	7423
45°	44333	7396	7626
50°	34013	7034	7116
55°	24648	6151	6314
60°	17882	5133	5339
65°	13016	4341	4376
70°	9590	3834	3774
75°	6813	3550	3517
80°	4467	3325	3464
85°	2091	3170	3469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.5	6.4
10°-20°	752.4	13.9
20°-30°	861.2	15.9
30°-40°	862.8	15.9
40°-50°	816.7	15.0
50°-60°	626.4	11.5
60°-70°	403.7	7.4
70°-80°	257.5	4.7
80°-90°	171.0	3.1
90°-100°	114.9	2.1
100°-110°	75.7	1.4
110°-120°	52.7	1.0
120°-130°	36.7	0.7
130°-140°	25.5	0.5
140°-150°	15.6	0.3
150°-160°	7.9	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1960.2	36.1
0°-40°	2822.9	52.0
0°-60°	4266.1	78.6
0°-90°	5098.2	93.9
90°-120°	243.3	4.5
90°-150°	321.2	5.9
90°-180°	333.0	6.1
0°-180°	5431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4406	4406	4406	4406	4406	
5°	4445	4200	3763	3510	3415	424
15°	4456	3209	2446	2010	1848	1264
25°	4459	2271	1294	1124	1072	2055
35°	4197	1264	866	838	827	2604
45°	3034	799	729	807	835	2307
55°	1392	571	562	632	657	1280
65°	557	359	354	404	418	573
75°	189	195	245	281	295	208
85°	25	89	173	225	242	34
90°	0	61	145	200	209	1
95°	0	44	120	164	173	0
105°	0	33	78	111	120	2
115°	3	28	58	81	86	3
125°	3	25	50	58	61	3
135°	3	20	39	47	50	2
145°	3	14	28	36	39	2
155°	3	8	17	25	28	1
165°	6	6	11	14	17	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°	4405.9	4405.9	4405.9	4405.9	4405.9
1°	4442.1	4417.0	4358.6	4375.3	4372.5
2°	4442.1	4389.2	4275.1	4241.7	4191.6
3°	4444.9	4341.9	4147.0	4038.5	3968.9
4°	4444.9	4272.3	3957.8	3776.9	3687.8
5°	4444.9	4199.9	3763.0	3509.7	3415.1
6°	4439.3	4113.6	3565.3	3298.2	3156.2
7°	4447.6	4019.0	3387.2	3100.5	2989.2
8°	4444.9	3907.7	3223.0	2950.2	2827.8
9°	4453.2	3799.1	3044.9	2808.3	2716.5
10°	4444.9	3698.9	2928.0	2674.7	2580.1
11°	4444.9	3601.5	2844.5	2588.4	2507.7
12°	4450.4	3490.2	2752.6	2466.0	2354.6
13°	4464.3	3376.1	2646.9	2332.4	2201.6
14°	4467.1	3289.8	2549.5	2162.6	2026.2
15°	4456.0	3209.1	2446.5	2009.5	1848.1
16°	4450.4	3125.6	2324.0	1864.8	1720.1
17°	4461.6	3028.2	2184.9	1717.3	1583.7
18°	4464.3	2939.1	2037.3	1605.9	1489.0
19°	4464.3	2869.5	1917.7	1503.0	1402.8
20°	4464.3	2802.7	1795.2	1425.0	1338.7
21°	4458.8	2719.2	1656.0	1344.3	1271.9
22.5°	4461.6	2563.4	1497.4	1249.7	1191.2
23°	4453.2	2524.4	1458.4	1224.6	1163.4
24°	4456.0	2413.1	1374.9	1174.5	1116.1
25°	4458.8	2271.1	1294.2	1124.4	1071.6
26°	4453.2	2157.0	1227.4	1077.1	1040.9
27°	4439.3	2065.2	1180.1	1038.2	1004.8
28°	4419.8	1942.7	1130.0	1004.8	974.1
29°	4400.3	1803.5	1079.9	968.6	946.3
30°	4389.2	1692.2	1032.6	940.7	921.3
32.5°	4322.4	1472.3	935.2	885.1	868.4
35°	4197.1	1263.6	865.6	837.8	826.6
37.5°	4032.9	1102.2	812.7	807.1	809.9
40°	3763.0	974.1	773.7	798.8	823.8
42.5°	3440.1	873.9	745.9	807.1	835.0
45°	3033.7	798.8	729.2	807.1	835.0
47.5°	2582.9	737.6	709.7	779.3	807.1
50°	2132.0	681.9	670.8	737.6	762.6
52.5°	1734.0	629.0	620.7	684.7	709.7
55°	1391.6	570.6	562.2	631.8	656.8
57.5°	1116.1	514.9	506.6	570.6	595.6
60°	890.6	459.2	445.3	509.3	534.4
62.5°	709.7	406.4	398.0	453.7	475.9
65°	556.7	359.0	353.5	403.6	417.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	439.8	314.5	317.3	359.0	375.7
70°	339.6	272.8	289.5	328.4	339.6
72.5°	256.1	231.0	267.2	300.6	314.5
75°	189.3	194.8	244.9	281.1	295.0
77.5°	130.8	161.4	225.4	264.4	278.3
80°	89.1	130.8	206.0	250.5	267.2
82.5°	52.9	108.5	189.3	236.6	256.1
85°	25.0	89.1	172.6	225.4	242.1
87.5°	8.3	72.4	155.9	214.3	228.2
90°	0.0	61.2	144.7	200.4	208.7
92.5°	0.0	52.9	130.8	183.7	189.3
95°	0.0	44.5	119.7	164.2	172.6
97.5°	0.0	41.7	111.3	147.5	158.6
100°	0.0	39.0	100.2	133.6	144.7
102.5°	0.0	33.4	89.1	119.7	130.8
105°	0.0	33.4	77.9	111.3	119.7
107.5°	2.8	30.6	72.4	100.2	111.3
110°	2.8	30.6	64.0	94.6	103.0
112.5°	2.8	30.6	61.2	86.3	97.4
115°	2.8	27.8	58.4	80.7	86.3
117.5°	2.8	27.8	55.7	72.4	77.9
120°	2.8	25.0	52.9	66.8	69.6
122.5°	2.8	25.0	50.1	61.2	64.0
125°	2.8	25.0	50.1	58.4	61.2
127.5°	2.8	22.3	47.3	55.7	55.7
130°	2.8	22.3	44.5	52.9	52.9
132.5°	2.8	19.5	41.7	50.1	52.9
135°	2.8	19.5	39.0	47.3	50.1
137.5°	2.8	16.7	36.2	44.5	47.3
140°	2.8	16.7	33.4	41.7	44.5
142.5°	2.8	13.9	30.6	39.0	41.7
145°	2.8	13.9	27.8	36.2	39.0
147.5°	2.8	13.9	25.0	33.4	36.2
150°	2.8	11.1	22.3	30.6	33.4
152.5°	2.8	11.1	19.5	27.8	30.6
155°	2.8	8.3	16.7	25.0	27.8
157.5°	2.8	8.3	16.7	22.3	25.0
160°	5.6	8.3	13.9	19.5	22.3
162.5°	2.8	5.6	13.9	16.7	19.5
165°	5.6	5.6	11.1	13.9	16.7
167.5°	5.6	5.6	8.3	11.1	13.9
170°	5.6	5.6	8.3	8.3	11.1
172.5°	5.6	5.6	5.6	8.3	5.6
175°	5.6	5.6	5.6	5.6	2.8
177.5°	5.6	5.6	5.6	5.6	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)