

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: P567550

Luminaire Tested: **8SNX-174HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-174HL-LC-UNV-L930-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

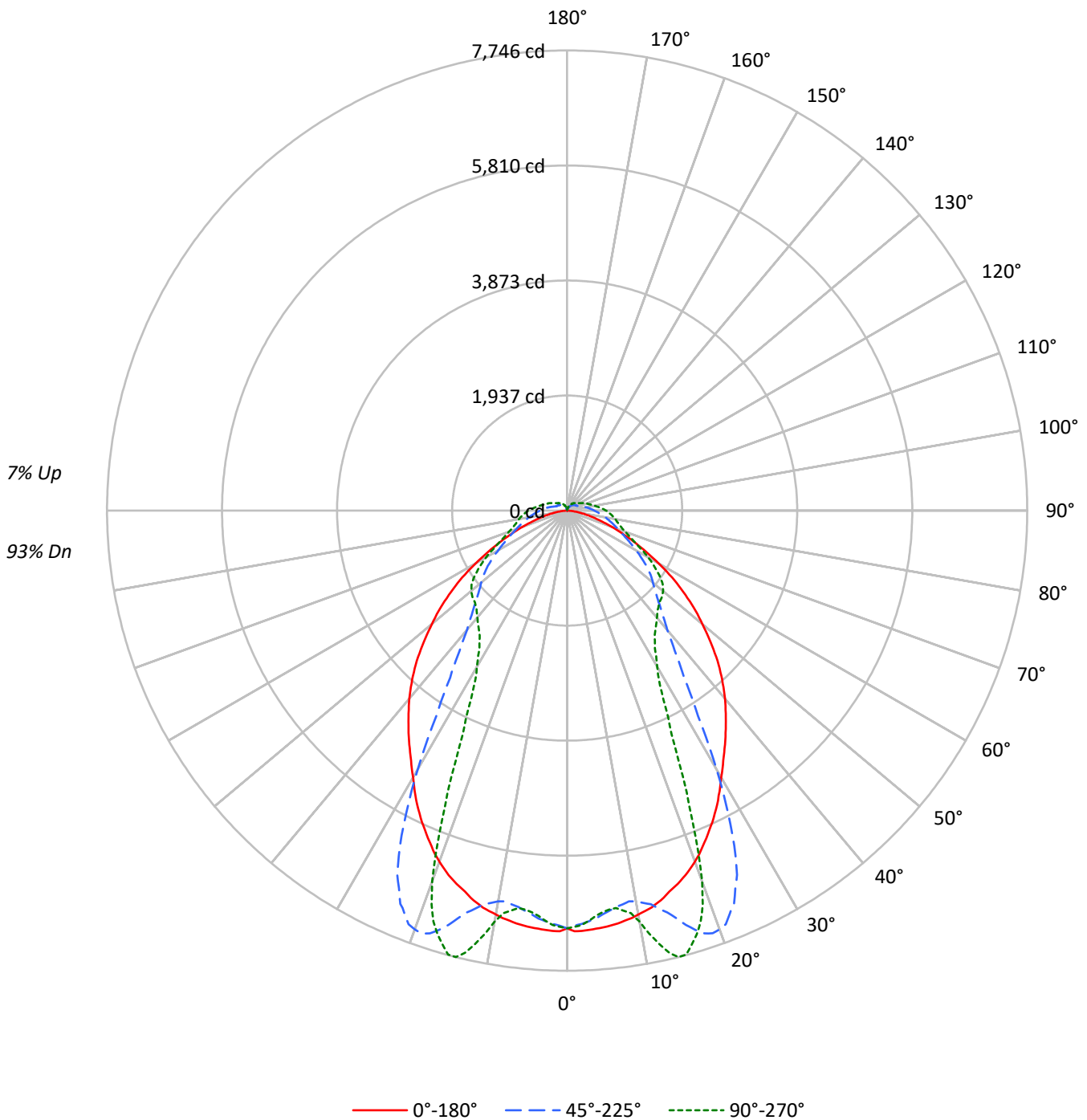
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15634.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 124.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37859	37859	37859
5°	37974	35378	34655
10°	37588	33630	34365
15°	36782	35019	36583
20°	35739	36509	30618
25°	34015	32760	18826
30°	31852	24405	13625
35°	30096	16848	11494
40°	28531	13078	10593
45°	26696	11137	10018
50°	24280	9997	9834
55°	21729	9042	9099
60°	18426	7825	7870
65°	14985	6816	6568
70°	11760	6127	5783
75°	9118	5697	5393
80°	6417	5395	5339
85°	3571	5148	5301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.6	4.2
10°-20°	2000.2	12.8
20°-30°	2693.2	17.2
30°-40°	2548.9	16.3
40°-50°	2249.8	14.4
50°-60°	1827.3	11.7
60°-70°	1242.8	7.9
70°-80°	799.6	5.1
80°-90°	531.7	3.4
90°-100°	365.4	2.3
100°-110°	245.3	1.6
110°-120°	173.0	1.1
120°-130°	123.6	0.8
130°-140°	87.2	0.6
140°-150°	54.1	0.3
150°-160°	26.4	0.2
160°-170°	9.2	0.1
170°-180°	1.6	0.0
0°-30°	5348.0	34.2
0°-40°	7896.8	50.5
0°-60°	11973.9	76.6
0°-90°	14548.0	93.1
90°-120°	783.7	5.0
90°-150°	1048.7	6.7
90°-180°	1086.0	6.9
0°-180°	15634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7034	7034	7034	7034	7034	
5°	7042	6977	6827	6822	6789	668
15°	6638	6595	7104	7732	7739	1871
25°	5784	6858	6767	4915	4156	2654
35°	4648	6521	3437	2647	2566	2908
45°	3580	4387	2175	2148	2194	2749
55°	2385	2595	1633	1824	1893	2130
65°	1229	1399	1093	1215	1253	1234
75°	473	661	771	864	905	514
85°	72	282	547	692	740	94
90°	2	196	456	614	654	4
95°	2	150	384	520	556	2
105°	5	105	253	356	399	5
115°	5	91	186	265	298	6
125°	7	76	160	200	215	7
135°	10	60	131	167	177	7
145°	10	43	93	129	141	6
155°	12	26	57	86	98	6
165°	12	17	31	43	52	4
175°	14	14	14	14	12	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7034.5	7034.5	7034.5	7034.5	7034.5
1°	7082.3	7060.8	6989.2	7027.4	7008.3
2°	7079.9	7044.1	6962.9	7005.9	6982.0
3°	7067.9	7029.8	6924.7	6951.0	6915.2
4°	7056.0	7010.7	6884.1	6884.1	6843.6
5°	7041.7	6977.2	6826.9	6822.1	6788.7
6°	7025.0	6951.0	6776.7	6772.0	6752.9
7°	7001.1	6905.6	6721.8	6755.2	6740.9
8°	6972.5	6862.7	6693.2	6776.7	6798.2
9°	6946.2	6810.2	6659.8	6843.6	6860.3
10°	6903.2	6762.4	6681.3	6977.2	7027.4
11°	6867.4	6721.8	6729.0	7108.5	7258.9
12°	6831.6	6678.9	6774.3	7273.2	7457.0
13°	6772.0	6645.4	6874.6	7452.3	7640.8
14°	6719.4	6619.2	6972.5	7633.7	7745.9
15°	6638.3	6595.3	7103.8	7731.5	7738.7
16°	6583.4	6578.6	7256.5	7738.7	7605.0
17°	6521.3	6571.4	7380.6	7614.6	7457.0
18°	6452.1	6585.8	7483.3	7459.4	7278.0
19°	6373.3	6600.1	7526.3	7244.6	7010.7
20°	6287.4	6621.6	7502.4	7020.2	6643.1
21°	6201.5	6650.2	7457.0	6783.9	6160.9
22.5°	6041.5	6719.4	7242.2	6120.3	5363.6
23°	5996.2	6733.8	7192.1	5912.6	5155.9
24°	5884.0	6793.4	6962.9	5428.1	4606.9
25°	5783.7	6857.9	6767.2	4914.9	4155.8
26°	5671.5	6905.6	6471.2	4442.2	3878.9
27°	5561.7	6934.3	6134.6	4074.6	3568.6
28°	5435.2	6965.3	5769.4	3757.2	3334.7
29°	5315.9	6970.1	5409.0	3504.1	3150.9
30°	5187.0	6946.2	5029.4	3301.2	3036.3
32.5°	4905.3	6814.9	4100.9	2914.5	2749.8
35°	4647.5	6521.3	3437.3	2647.2	2566.0
37.5°	4387.3	6058.2	2971.8	2480.1	2453.9
40°	4131.9	5509.2	2620.9	2346.4	2351.2
42.5°	3862.2	4943.5	2379.9	2236.6	2258.1
45°	3580.5	4387.3	2174.6	2148.3	2193.7
47.5°	3267.8	3878.9	2012.3	2091.0	2160.2
50°	2971.8	3375.2	1885.7	2036.1	2107.7
52.5°	2690.2	2962.3	1771.2	1943.0	2026.6
55°	2384.6	2594.7	1632.7	1823.7	1892.9
57.5°	2093.4	2262.9	1487.1	1675.7	1737.7
60°	1773.6	1935.9	1339.1	1515.8	1575.4
62.5°	1484.7	1656.6	1212.6	1355.8	1403.6
65°	1229.3	1398.8	1093.3	1215.0	1253.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1002.5	1184.0	995.4	1098.0	1133.8
70°	790.1	981.1	909.5	1002.5	1040.7
72.5°	618.2	811.6	837.8	923.8	962.0
75°	472.6	661.2	771.0	864.1	904.7
77.5°	350.9	539.5	708.9	816.4	859.3
80°	231.5	429.7	654.0	773.4	823.5
82.5°	145.6	346.1	599.1	730.4	782.9
85°	71.6	281.7	546.6	692.2	740.0
87.5°	23.9	233.9	498.9	654.0	694.6
90°	2.4	195.7	455.9	613.5	654.0
92.5°	2.4	169.5	420.1	565.7	606.3
95°	2.4	150.4	384.3	520.4	556.2
97.5°	2.4	136.1	350.9	472.6	510.8
100°	2.4	121.7	315.1	427.3	467.9
102.5°	4.8	112.2	284.1	389.1	432.0
105°	4.8	105.0	253.0	355.7	398.6
107.5°	4.8	100.3	226.8	329.4	370.0
110°	4.8	95.5	207.7	305.5	348.5
112.5°	4.8	93.1	195.7	284.1	324.6
115°	4.8	90.7	186.2	265.0	298.4
117.5°	7.2	88.3	179.0	245.9	272.1
120°	7.2	83.5	174.3	229.2	250.6
122.5°	7.2	78.8	167.1	214.8	231.5
125°	7.2	76.4	159.9	200.5	214.8
127.5°	7.2	71.6	152.8	188.6	202.9
130°	9.5	66.8	145.6	179.0	191.0
132.5°	9.5	62.1	138.4	174.3	183.8
135°	9.5	59.7	131.3	167.1	176.6
137.5°	9.5	54.9	124.1	159.9	169.5
140°	9.5	50.1	114.6	150.4	159.9
142.5°	9.5	47.7	105.0	140.8	150.4
145°	9.5	43.0	93.1	128.9	140.8
147.5°	11.9	40.6	83.5	119.4	128.9
150°	11.9	35.8	74.0	109.8	119.4
152.5°	11.9	31.0	64.4	97.9	107.4
155°	11.9	26.3	57.3	85.9	97.9
157.5°	11.9	23.9	50.1	71.6	85.9
160°	11.9	21.5	43.0	62.1	74.0
162.5°	11.9	19.1	38.2	52.5	64.4
165°	11.9	16.7	31.0	43.0	52.5
167.5°	14.3	16.7	26.3	33.4	43.0
170°	14.3	16.7	21.5	26.3	33.4
172.5°	14.3	14.3	16.7	19.1	21.5
175°	14.3	14.3	14.3	14.3	11.9
177.5°	14.3	14.3	14.3	11.9	11.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.9	11.9	11.9	11.9	11.9

(END OF REPORT)