

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: P567422

Luminaire Tested: **8SNX-148HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-148HL-LW-UNV-L930-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

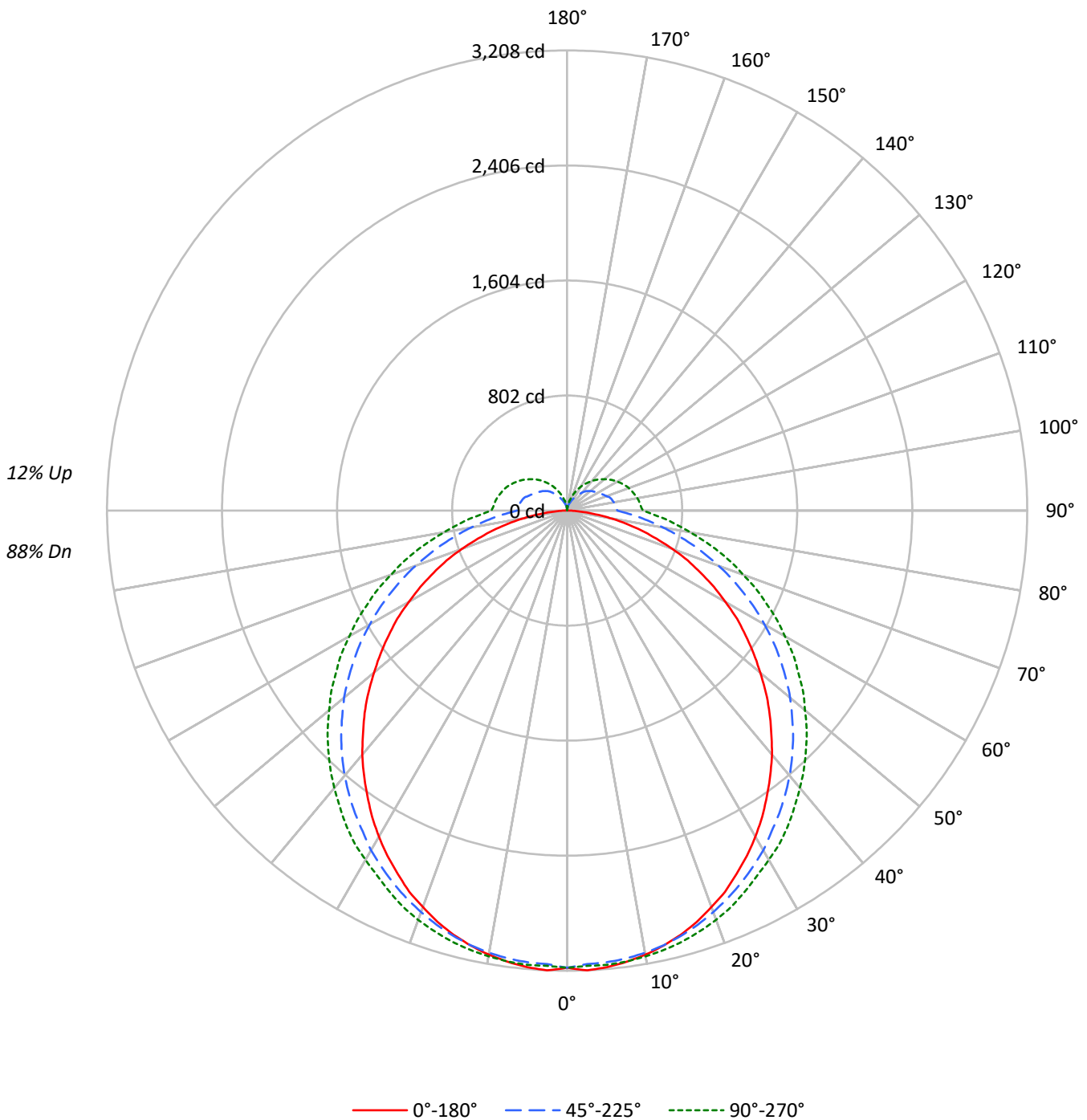
Lumens per Lamp: N/A
Luminaire Lumens: 11473.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17151	17151	17151
5°	17227	16382	16228
10°	17116	15754	15430
15°	16961	15129	14702
20°	16719	14494	13999
25°	16431	13877	13279
30°	16118	13271	12616
35°	15726	12635	12021
40°	15343	12040	11374
45°	14883	11411	10758
50°	14350	10759	10102
55°	13838	10043	9453
60°	13247	9288	8755
65°	12525	8464	8032
70°	11609	7571	7250
75°	10311	6591	6500
80°	8496	5608	5643
85°	5880	4663	4926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	2.6
10°-20°	870.3	7.6
20°-30°	1323.9	11.5
30°-40°	1609.7	14.0
40°-50°	1703.1	14.8
50°-60°	1596.4	13.9
60°-70°	1313.3	11.4
70°-80°	908.7	7.9
80°-90°	505.3	4.4
90°-100°	332.9	2.9
100°-110°	298.5	2.6
110°-120°	247.1	2.2
120°-130°	191.0	1.7
130°-140°	135.2	1.2
140°-150°	81.6	0.7
150°-160°	39.2	0.3
160°-170°	12.8	0.1
170°-180°	1.6	0.0
0°-30°	2496.7	21.8
0°-40°	4106.4	35.8
0°-60°	7405.9	64.6
0°-90°	10133.2	88.3
90°-120°	878.5	7.7
90°-150°	1286.3	11.2
90°-180°	1340.0	11.7
0°-180°	11473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3187	3187	3187	3187	3187	
5°	3195	3189	3161	3187	3179	303
15°	3061	3071	3069	3110	3110	863
25°	2794	2833	2866	2929	2931	1288
35°	2428	2493	2578	2660	2684	1520
45°	1996	2100	2228	2328	2356	1539
55°	1519	1654	1813	1927	1967	1360
65°	1028	1175	1358	1491	1532	1019
75°	534	690	892	1033	1090	567
85°	118	293	495	633	688	136
90°	2	165	350	481	528	8
95°	2	157	340	466	511	2
105°	2	136	318	438	477	2
115°	4	118	269	389	432	3
125°	4	100	230	332	373	3
135°	4	79	192	273	306	3
145°	4	57	134	206	232	2
155°	6	39	82	132	153	3
165°	6	26	45	61	79	2
175°	6	10	14	14	8	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3186.8	3186.8	3186.8	3186.8	3186.8
2.5°	3208.4	3198.5	3165.1	3186.8	3176.9
5°	3194.6	3188.7	3161.2	3186.8	3178.9
7.5°	3173.0	3171.0	3149.4	3178.9	3171.0
10°	3143.5	3147.5	3129.8	3161.2	3155.3
12.5°	3106.2	3112.1	3104.2	3139.6	3135.7
15°	3061.0	3070.8	3068.9	3110.1	3110.1
17.5°	3006.0	3019.8	3027.6	3074.8	3074.8
20°	2941.2	2962.8	2978.5	3029.6	3037.4
22.5°	2876.3	2901.9	2925.4	2978.5	2990.3
25°	2793.8	2833.1	2866.5	2929.4	2931.3
27.5°	2713.3	2756.5	2801.7	2862.6	2868.5
30°	2624.8	2679.9	2734.9	2793.8	2811.5
32.5°	2530.5	2591.4	2652.4	2730.9	2754.5
35°	2428.4	2493.2	2577.7	2660.2	2683.8
37.5°	2326.2	2398.9	2497.1	2581.6	2603.2
40°	2222.1	2302.6	2412.7	2499.1	2524.6
42.5°	2106.2	2204.4	2322.3	2414.6	2444.1
45°	1996.1	2100.3	2228.0	2328.2	2355.7
47.5°	1880.2	1990.2	2127.8	2233.9	2265.3
50°	1756.4	1882.2	2029.5	2135.6	2165.1
52.5°	1640.5	1768.2	1923.4	2033.5	2074.7
55°	1518.7	1654.3	1813.4	1927.4	1966.7
57.5°	1404.8	1534.4	1705.4	1819.3	1868.4
60°	1275.1	1418.5	1589.4	1713.2	1752.5
62.5°	1153.3	1298.7	1475.5	1603.2	1648.4
65°	1027.5	1174.9	1357.6	1491.2	1532.5
67.5°	909.7	1055.0	1241.7	1373.3	1426.4
70°	780.0	933.2	1123.8	1259.4	1304.6
72.5°	652.3	811.4	1005.9	1151.3	1202.4
75°	534.4	689.6	892.0	1033.4	1090.4
77.5°	420.4	577.6	782.0	927.3	976.5
80°	306.5	471.5	679.8	823.2	870.4
82.5°	202.4	375.3	581.6	725.0	776.1
85°	117.9	292.7	495.1	632.6	687.6
87.5°	51.1	222.0	414.6	550.1	595.3
90°	2.0	165.0	349.7	481.4	528.5
92.5°	2.0	161.1	341.9	471.5	516.7
95°	2.0	157.2	339.9	465.6	510.8
97.5°	2.0	155.2	336.0	461.7	504.9
100°	2.0	149.3	330.1	453.8	497.1
102.5°	2.0	141.5	324.2	446.0	487.2
105°	2.0	135.6	318.3	438.1	477.4
107.5°	2.0	129.7	308.5	428.3	467.6
110°	2.0	123.8	292.7	418.5	457.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	121.8	281.0	404.7	446.0
115°	3.9	117.9	269.2	389.0	432.2
117.5°	3.9	115.9	259.3	373.3	418.5
120°	3.9	110.0	249.5	359.5	402.8
122.5°	3.9	104.1	239.7	345.8	389.0
125°	3.9	100.2	229.9	332.0	373.3
127.5°	3.9	94.3	222.0	318.3	355.6
130°	3.9	90.4	212.2	302.6	339.9
132.5°	3.9	84.5	202.4	286.8	322.2
135°	3.9	78.6	192.5	273.1	306.5
137.5°	3.9	70.7	180.8	257.4	288.8
140°	3.9	64.8	165.0	241.7	271.1
142.5°	3.9	60.9	149.3	224.0	251.5
145°	3.9	57.0	133.6	206.3	231.8
147.5°	3.9	53.0	119.8	188.6	212.2
150°	3.9	47.2	106.1	172.9	192.5
152.5°	5.9	43.2	94.3	153.2	172.9
155°	5.9	39.3	82.5	131.6	153.2
157.5°	5.9	35.4	70.7	110.0	133.6
160°	5.9	31.4	60.9	90.4	114.0
162.5°	5.9	29.5	53.0	74.7	96.3
165°	5.9	25.5	45.2	60.9	78.6
167.5°	5.9	19.6	37.3	47.2	64.8
170°	5.9	15.7	29.5	33.4	49.1
172.5°	5.9	11.8	21.6	23.6	25.5
175°	5.9	9.8	13.8	13.8	7.9
177.5°	5.9	7.9	7.9	7.9	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)