

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: P567398

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

Issue Date: 9/15/2022



**Test Information**

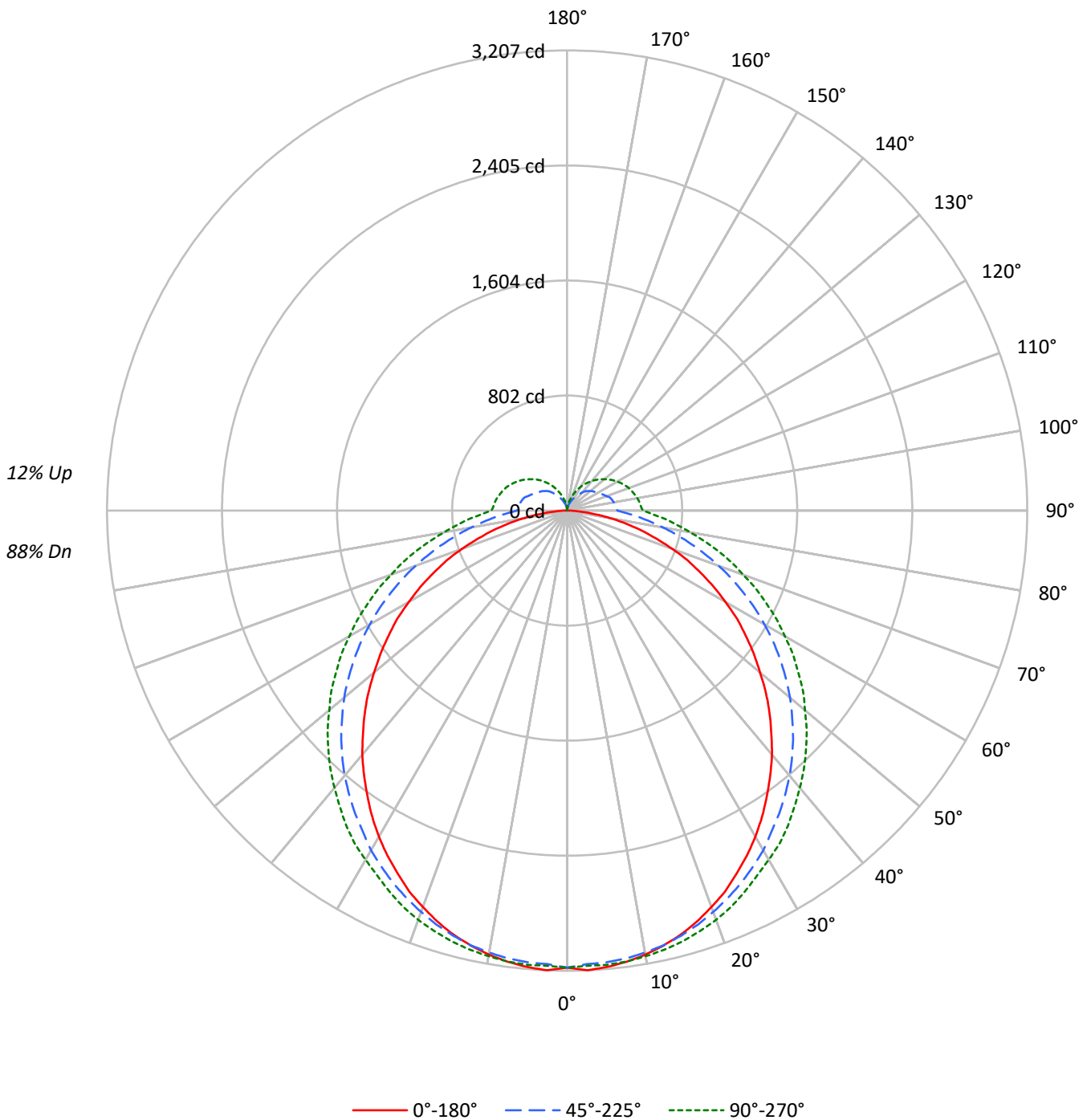
Test Method: LM-79-08  
Report Number: P567398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-148HL-FDL-UNV-L930-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11467.0 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: 0.04')  
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	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°	17142	17142	17142
5°	17242	16890	16918
10°	17155	16736	16743
15°	17023	16551	16580
20°	16804	16328	16393
25°	16542	16101	16143
30°	16255	15873	15930
35°	15888	15599	15782
40°	15535	15374	15553
45°	15106	15112	15361
50°	14608	14836	15116
55°	14138	14492	14898
60°	13595	14126	14631
65°	12934	13707	14370
70°	12095	13250	14073
75°	10894	12753	13971
80°	9221	12465	13860
85°	6866	12789	14610



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.4	2.6
10°-20°	869.8	7.6
20°-30°	1323.2	11.5
30°-40°	1608.9	14.0
40°-50°	1702.2	14.8
50°-60°	1595.6	13.9
60°-70°	1312.6	11.4
70°-80°	908.2	7.9
80°-90°	505.0	4.4
90°-100°	332.7	2.9
100°-110°	298.4	2.6
110°-120°	246.9	2.2
120°-130°	190.9	1.7
130°-140°	135.1	1.2
140°-150°	81.5	0.7
150°-160°	39.2	0.3
160°-170°	12.8	0.1
170°-180°	1.6	0.0
0°-30°	2495.4	21.8
0°-40°	4104.3	35.8
0°-60°	7402.0	64.6
0°-90°	10127.9	88.3
90°-120°	878.0	7.7
90°-150°	1285.6	11.2
90°-180°	1339.0	11.7
0°-180°	11467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3185	3185	3185	3185	3185	
5°	3193	3187	3160	3185	3177	303
15°	3059	3069	3067	3108	3108	862
25°	2792	2832	2865	2928	2930	1287
35°	2427	2492	2576	2659	2682	1519
45°	1995	2099	2227	2327	2354	1538
55°	1518	1653	1812	1926	1966	1359
65°	1027	1174	1357	1490	1532	1018
75°	534	689	892	1033	1090	567
85°	118	293	495	632	687	136
90°	2	165	350	481	528	8
95°	2	157	340	465	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	78	192	273	306	3
145°	4	57	134	206	232	2
155°	6	39	82	132	153	3
165°	6	26	45	61	78	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°	3185.1	3185.1	3185.1	3185.1	3185.1
2.5°	3206.7	3196.9	3163.5	3185.1	3175.3
5°	3192.9	3187.1	3159.6	3185.1	3177.2
7.5°	3171.3	3169.4	3147.8	3177.2	3169.4
10°	3141.9	3145.8	3128.1	3159.6	3153.7
12.5°	3104.6	3110.5	3102.6	3138.0	3134.0
15°	3059.4	3069.2	3067.3	3108.5	3108.5
17.5°	3004.4	3018.2	3026.0	3073.2	3073.2
20°	2939.6	2961.2	2976.9	3028.0	3035.8
22.5°	2874.8	2900.4	2923.9	2976.9	2988.7
25°	2792.4	2831.6	2865.0	2927.8	2929.8
27.5°	2711.8	2755.0	2800.2	2861.1	2867.0
30°	2623.5	2678.5	2733.4	2792.4	2810.0
32.5°	2529.2	2590.1	2651.0	2729.5	2753.1
35°	2427.1	2491.9	2576.3	2658.8	2682.4
37.5°	2325.0	2397.7	2495.8	2580.3	2601.9
40°	2220.9	2301.4	2411.4	2497.8	2523.3
42.5°	2105.1	2203.2	2321.1	2413.4	2442.8
45°	1995.1	2099.2	2226.8	2327.0	2354.5
47.5°	1879.2	1989.2	2126.7	2232.7	2264.1
50°	1755.5	1881.2	2028.5	2134.5	2164.0
52.5°	1639.7	1767.3	1922.4	2032.4	2073.6
55°	1517.9	1653.4	1812.5	1926.4	1965.6
57.5°	1404.0	1533.6	1704.5	1818.4	1867.5
60°	1274.4	1417.8	1588.6	1712.3	1751.6
62.5°	1152.7	1298.0	1474.7	1602.4	1647.5
65°	1027.0	1174.3	1356.9	1490.4	1531.7
67.5°	909.2	1054.5	1241.0	1372.6	1425.6
70°	779.6	932.7	1123.2	1258.7	1303.9
72.5°	651.9	811.0	1005.4	1150.7	1201.8
75°	534.1	689.3	891.5	1032.9	1089.8
77.5°	420.2	577.3	781.5	926.9	975.9
80°	306.3	471.3	679.4	822.8	869.9
82.5°	202.3	375.1	581.2	724.6	775.7
85°	117.8	292.6	494.8	632.3	687.3
87.5°	51.1	221.9	414.3	549.8	595.0
90°	2.0	164.9	349.5	481.1	528.2
92.5°	2.0	161.0	341.7	471.3	516.4
95°	2.0	157.1	339.7	465.4	510.6
97.5°	2.0	155.1	335.8	461.5	504.7
100°	2.0	149.2	329.9	453.6	496.8
102.5°	2.0	141.4	324.0	445.8	487.0
105°	2.0	135.5	318.1	437.9	477.2
107.5°	2.0	129.6	308.3	428.1	467.4
110°	2.0	123.7	292.6	418.3	457.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	121.7	280.8	404.5	445.8
115°	3.9	117.8	269.0	388.8	432.0
117.5°	3.9	115.9	259.2	373.1	418.3
120°	3.9	110.0	249.4	359.4	402.6
122.5°	3.9	104.1	239.6	345.6	388.8
125°	3.9	100.1	229.8	331.9	373.1
127.5°	3.9	94.3	221.9	318.1	355.4
130°	3.9	90.3	212.1	302.4	339.7
132.5°	3.9	84.4	202.3	286.7	322.0
135°	3.9	78.5	192.4	273.0	306.3
137.5°	3.9	70.7	180.7	257.2	288.7
140°	3.9	64.8	164.9	241.5	271.0
142.5°	3.9	60.9	149.2	223.9	251.4
145°	3.9	56.9	133.5	206.2	231.7
147.5°	3.9	53.0	119.8	188.5	212.1
150°	3.9	47.1	106.0	172.8	192.4
152.5°	5.9	43.2	94.3	153.2	172.8
155°	5.9	39.3	82.5	131.6	153.2
157.5°	5.9	35.3	70.7	110.0	133.5
160°	5.9	31.4	60.9	90.3	113.9
162.5°	5.9	29.5	53.0	74.6	96.2
165°	5.9	25.5	45.2	60.9	78.5
167.5°	5.9	19.6	37.3	47.1	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	13.7	13.7	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)