

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: P567430

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

Issue Date: 9/15/2022



**Test Information**

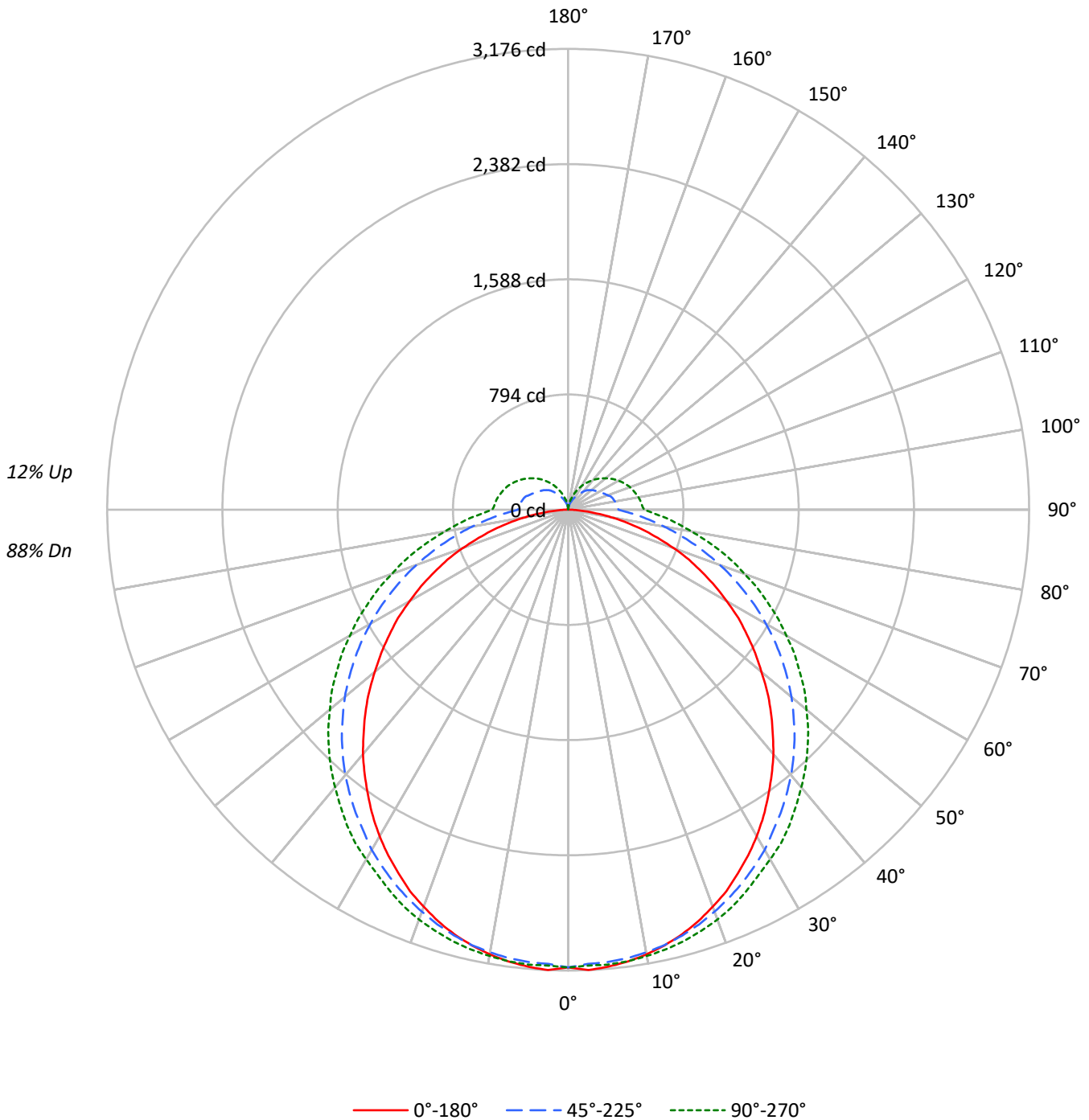
Test Method: LM-79-08  
Report Number: P567430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-148HL-SLW-UNV-L930-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11356.0 lumens  
Efficiency: N/A  
Efficacy: 109.6 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: 0.08')  
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°	16976	16976	16976
5°	17067	16554	16519
10°	16973	16237	16124
15°	16835	15894	15751
20°	16611	15517	15363
25°	16342	15140	14920
30°	16050	14760	14512
35°	15678	14333	14161
40°	15319	13945	13731
45°	14884	13514	13324
50°	14378	13053	12856
55°	13899	12515	12390
60°	13345	11931	11854
65°	12671	11265	11283
70°	11811	10512	10627
75°	10590	9645	10024
80°	8881	8789	9262
85°	6442	8034	8765



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.5	2.6
10°-20°	861.4	7.6
20°-30°	1310.4	11.5
30°-40°	1593.3	14.0
40°-50°	1685.7	14.8
50°-60°	1580.1	13.9
60°-70°	1299.9	11.4
70°-80°	899.4	7.9
80°-90°	500.1	4.4
90°-100°	329.5	2.9
100°-110°	295.4	2.6
110°-120°	244.6	2.2
120°-130°	189.1	1.7
130°-140°	133.8	1.2
140°-150°	80.7	0.7
150°-160°	38.8	0.3
160°-170°	12.7	0.1
170°-180°	1.5	0.0
0°-30°	2471.2	21.8
0°-40°	4064.6	35.8
0°-60°	7330.4	64.6
0°-90°	10029.8	88.3
90°-120°	869.5	7.7
90°-150°	1273.1	11.2
90°-180°	1326.0	11.7
0°-180°	11356.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3154	3154	3154	3154	3154	
5°	3162	3156	3129	3154	3146	300
15°	3030	3040	3038	3078	3078	854
25°	2765	2804	2837	2900	2902	1275
35°	2404	2468	2551	2633	2656	1504
45°	1976	2079	2205	2304	2332	1523
55°	1503	1637	1795	1908	1947	1346
65°	1017	1163	1344	1476	1517	1008
75°	529	683	883	1023	1079	561
85°	117	290	490	626	681	134
90°	2	163	346	476	523	8
95°	2	156	336	461	506	2
105°	2	134	315	434	473	2
115°	4	117	266	385	428	3
125°	4	99	228	329	370	3
135°	4	78	191	270	303	3
145°	4	56	132	204	230	2
155°	6	39	82	130	152	3
165°	6	25	45	60	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°	3154.3	3154.3	3154.3	3154.3	3154.3
2.5°	3175.6	3165.9	3132.9	3154.3	3144.5
5°	3162.0	3156.2	3129.0	3154.3	3146.5
7.5°	3140.6	3138.7	3117.3	3146.5	3138.7
10°	3111.5	3115.4	3097.9	3129.0	3123.1
12.5°	3074.5	3080.4	3072.6	3107.6	3103.7
15°	3029.8	3039.5	3037.6	3078.4	3078.4
17.5°	2975.3	2989.0	2996.7	3043.4	3043.4
20°	2911.2	2932.6	2948.1	2998.7	3006.5
22.5°	2847.0	2872.3	2895.6	2948.1	2959.8
25°	2765.3	2804.2	2837.3	2899.5	2901.5
27.5°	2685.6	2728.4	2773.1	2833.4	2839.2
30°	2598.1	2652.5	2707.0	2765.3	2782.8
32.5°	2504.7	2565.0	2625.3	2703.1	2726.4
35°	2403.6	2467.8	2551.4	2633.1	2656.4
37.5°	2302.5	2374.4	2471.7	2555.3	2576.7
40°	2199.4	2279.2	2388.1	2473.6	2498.9
42.5°	2084.7	2181.9	2298.6	2390.0	2419.2
45°	1975.8	2078.9	2205.3	2304.4	2331.7
47.5°	1861.1	1970.0	2106.1	2211.1	2242.2
50°	1738.5	1863.0	2008.8	2113.9	2143.0
52.5°	1623.8	1750.2	1903.8	2012.7	2053.6
55°	1503.2	1637.4	1794.9	1907.7	1946.6
57.5°	1390.4	1518.8	1688.0	1800.8	1849.4
60°	1262.1	1404.1	1573.2	1695.8	1734.6
62.5°	1141.5	1285.4	1460.4	1586.9	1631.6
65°	1017.1	1162.9	1343.8	1476.0	1516.8
67.5°	900.4	1044.3	1229.0	1359.3	1411.8
70°	772.0	923.7	1112.4	1246.5	1291.3
72.5°	645.6	803.1	995.7	1139.6	1190.1
75°	529.0	682.6	882.9	1022.9	1079.3
77.5°	416.2	571.7	774.0	917.9	966.5
80°	303.4	466.7	672.9	814.8	861.5
82.5°	200.3	371.4	575.6	717.6	768.1
85°	116.7	289.8	490.1	626.2	680.6
87.5°	50.6	219.7	410.3	544.5	589.2
90°	1.9	163.4	346.2	476.4	523.1
92.5°	1.9	159.5	338.4	466.7	511.4
95°	1.9	155.6	336.4	460.9	505.6
97.5°	1.9	153.6	332.5	457.0	499.8
100°	1.9	147.8	326.7	449.2	492.0
102.5°	1.9	140.0	320.9	441.4	482.3
105°	1.9	134.2	315.0	433.7	472.6
107.5°	1.9	128.3	305.3	423.9	462.8
110°	1.9	122.5	289.8	414.2	453.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	120.6	278.1	400.6	441.4
115°	3.9	116.7	266.4	385.0	427.8
117.5°	3.9	114.7	256.7	369.5	414.2
120°	3.9	108.9	247.0	355.9	398.7
122.5°	3.9	103.1	237.2	342.3	385.0
125°	3.9	99.2	227.5	328.6	369.5
127.5°	3.9	93.3	219.7	315.0	352.0
130°	3.9	89.5	210.0	299.5	336.4
132.5°	3.9	83.6	200.3	283.9	318.9
135°	3.9	77.8	190.6	270.3	303.4
137.5°	3.9	70.0	178.9	254.8	285.9
140°	3.9	64.2	163.4	239.2	268.4
142.5°	3.9	60.3	147.8	221.7	248.9
145°	3.9	56.4	132.2	204.2	229.5
147.5°	3.9	52.5	118.6	186.7	210.0
150°	3.9	46.7	105.0	171.1	190.6
152.5°	5.8	42.8	93.3	151.7	171.1
155°	5.8	38.9	81.7	130.3	151.7
157.5°	5.8	35.0	70.0	108.9	132.2
160°	5.8	31.1	60.3	89.5	112.8
162.5°	5.8	29.2	52.5	73.9	95.3
165°	5.8	25.3	44.7	60.3	77.8
167.5°	5.8	19.4	36.9	46.7	64.2
170°	5.8	15.6	29.2	33.1	48.6
172.5°	5.8	11.7	21.4	23.3	25.3
175°	5.8	9.7	13.6	13.6	7.8
177.5°	5.8	7.8	7.8	7.8	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)