

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: P567429

Luminaire Tested: **8SNX-148HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567429  
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-L850-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

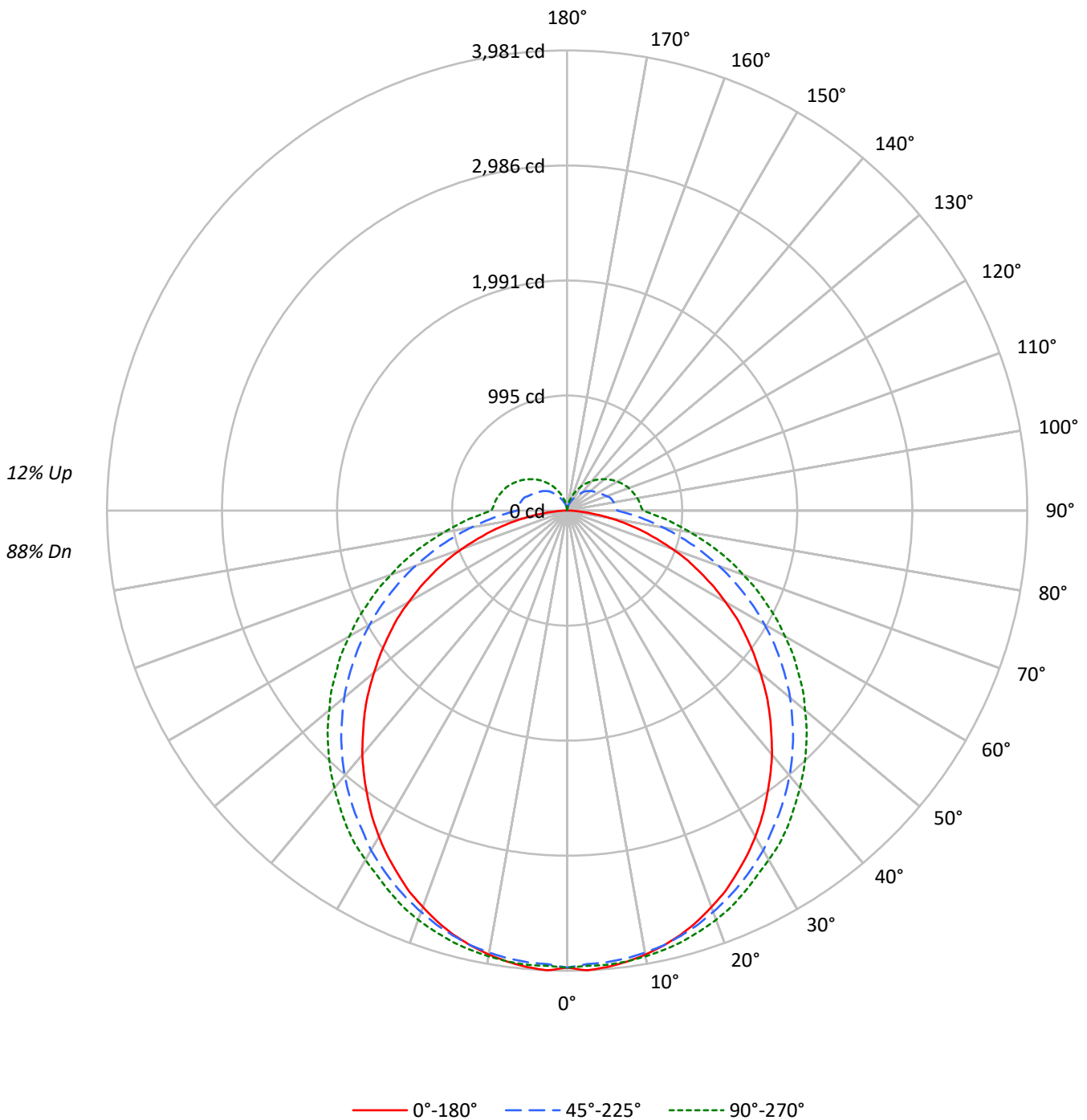
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14236.0 lumens  
Efficiency: N/A  
Efficacy: 137.4 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°	21281	21281	21281
5°	21396	20752	20709
10°	21278	20354	20213
15°	21104	19924	19746
20°	20823	19453	19259
25°	20487	18979	18704
30°	20120	18503	18193
35°	19654	17969	17752
40°	19204	17481	17214
45°	18659	16940	16702
50°	18025	16364	16117
55°	17424	15689	15533
60°	16730	14957	14861
65°	15883	14121	14145
70°	14807	13178	13321
75°	13275	12091	12566
80°	11132	11017	11611
85°	8076	10070	10989



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.4	2.6
10°-20°	1079.8	7.6
20°-30°	1642.7	11.5
30°-40°	1997.4	14.0
40°-50°	2113.2	14.8
50°-60°	1980.9	13.9
60°-70°	1629.6	11.4
70°-80°	1127.5	7.9
80°-90°	627.0	4.4
90°-100°	413.0	2.9
100°-110°	370.4	2.6
110°-120°	306.6	2.2
120°-130°	237.0	1.7
130°-140°	167.8	1.2
140°-150°	101.2	0.7
150°-160°	48.6	0.3
160°-170°	15.9	0.1
170°-180°	1.9	0.0
0°-30°	3098.0	21.8
0°-40°	5095.4	35.8
0°-60°	9189.4	64.6
0°-90°	12573.5	88.3
90°-120°	1090.0	7.7
90°-150°	1596.0	11.2
90°-180°	1662.0	11.7
0°-180°	14236.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3954	3954	3954	3954	3954	
5°	3964	3957	3922	3954	3944	376
15°	3798	3810	3808	3859	3859	1071
25°	3467	3515	3557	3635	3637	1598
35°	3013	3094	3198	3301	3330	1886
45°	2477	2606	2764	2889	2923	1909
55°	1884	2053	2250	2392	2440	1687
65°	1275	1458	1685	1850	1902	1264
75°	663	856	1107	1282	1353	703
85°	146	363	614	785	853	168
90°	2	205	434	597	656	10
95°	2	195	422	578	634	2
105°	2	168	395	544	592	3
115°	5	146	334	483	536	4
125°	5	124	285	412	463	4
135°	5	98	239	339	380	4
145°	5	71	166	256	288	3
155°	7	49	102	163	190	3
165°	7	32	56	76	98	2
175°	7	12	17	17	10	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3954.2	3954.2	3954.2	3954.2	3954.2
2.5°	3981.0	3968.8	3927.4	3954.2	3942.0
5°	3964.0	3956.6	3922.5	3954.2	3944.5
7.5°	3937.1	3934.7	3907.9	3944.5	3934.7
10°	3900.6	3905.5	3883.5	3922.5	3915.2
12.5°	3854.3	3861.6	3851.8	3895.7	3890.8
15°	3798.2	3810.4	3807.9	3859.1	3859.1
17.5°	3729.9	3747.0	3756.7	3815.3	3815.3
20°	3649.5	3676.3	3695.8	3759.2	3768.9
22.5°	3569.0	3600.7	3630.0	3695.8	3710.4
25°	3466.6	3515.4	3556.8	3634.9	3637.3
27.5°	3366.7	3420.3	3476.4	3552.0	3559.3
30°	3257.0	3325.2	3393.5	3466.6	3488.6
32.5°	3140.0	3215.5	3291.1	3388.6	3417.9
35°	3013.2	3093.6	3198.5	3300.9	3330.1
37.5°	2886.4	2976.6	3098.5	3203.3	3230.2
40°	2757.2	2857.2	2993.7	3101.0	3132.7
42.5°	2613.4	2735.3	2881.6	2996.1	3032.7
45°	2476.9	2606.1	2764.5	2888.9	2923.0
47.5°	2333.0	2469.6	2640.2	2771.8	2810.9
50°	2179.4	2335.5	2518.3	2650.0	2686.5
52.5°	2035.6	2194.1	2386.7	2523.2	2574.4
55°	1884.5	2052.7	2250.1	2391.5	2440.3
57.5°	1743.1	1904.0	2116.1	2257.5	2318.4
60°	1582.2	1760.1	1972.2	2125.8	2174.6
62.5°	1431.0	1611.4	1830.8	1989.3	2045.4
65°	1275.0	1457.8	1684.6	1850.3	1901.5
67.5°	1128.7	1309.1	1540.7	1704.1	1769.9
70°	967.8	1158.0	1394.5	1562.7	1618.7
72.5°	809.4	1006.8	1248.2	1428.6	1492.0
75°	663.1	855.7	1106.8	1282.3	1353.0
77.5°	521.7	716.7	970.3	1150.7	1211.6
80°	380.3	585.1	843.5	1021.5	1080.0
82.5°	251.1	465.6	721.6	899.6	963.0
85°	146.3	363.2	614.3	785.0	853.3
87.5°	63.4	275.5	514.4	682.6	738.7
90°	2.4	204.8	433.9	597.3	655.8
92.5°	2.4	199.9	424.2	585.1	641.2
95°	2.4	195.0	421.7	577.8	633.8
97.5°	2.4	192.6	416.9	572.9	626.5
100°	2.4	185.3	409.6	563.1	616.8
102.5°	2.4	175.5	402.2	553.4	604.6
105°	2.4	168.2	394.9	543.6	592.4
107.5°	2.4	160.9	382.7	531.5	580.2
110°	2.4	153.6	363.2	519.3	568.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	151.1	348.6	502.2	553.4
115°	4.9	146.3	334.0	482.7	536.3
117.5°	4.9	143.8	321.8	463.2	519.3
120°	4.9	136.5	309.6	446.1	499.8
122.5°	4.9	129.2	297.4	429.1	482.7
125°	4.9	124.3	285.2	412.0	463.2
127.5°	4.9	117.0	275.5	394.9	441.3
130°	4.9	112.1	263.3	375.4	421.7
132.5°	4.9	104.8	251.1	355.9	399.8
135°	4.9	97.5	238.9	338.9	380.3
137.5°	4.9	87.8	224.3	319.4	358.4
140°	4.9	80.4	204.8	299.9	336.4
142.5°	4.9	75.6	185.3	277.9	312.0
145°	4.9	70.7	165.8	256.0	287.7
147.5°	4.9	65.8	148.7	234.0	263.3
150°	4.9	58.5	131.6	214.5	238.9
152.5°	7.3	53.6	117.0	190.2	214.5
155°	7.3	48.8	102.4	163.3	190.2
157.5°	7.3	43.9	87.8	136.5	165.8
160°	7.3	39.0	75.6	112.1	141.4
162.5°	7.3	36.6	65.8	92.6	119.5
165°	7.3	31.7	56.1	75.6	97.5
167.5°	7.3	24.4	46.3	58.5	80.4
170°	7.3	19.5	36.6	41.4	60.9
172.5°	7.3	14.6	26.8	29.3	31.7
175°	7.3	12.2	17.1	17.1	9.8
177.5°	7.3	9.8	9.8	9.8	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)