

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: P567427

Luminaire Tested: **8SNX-148HL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567427
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-L835-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

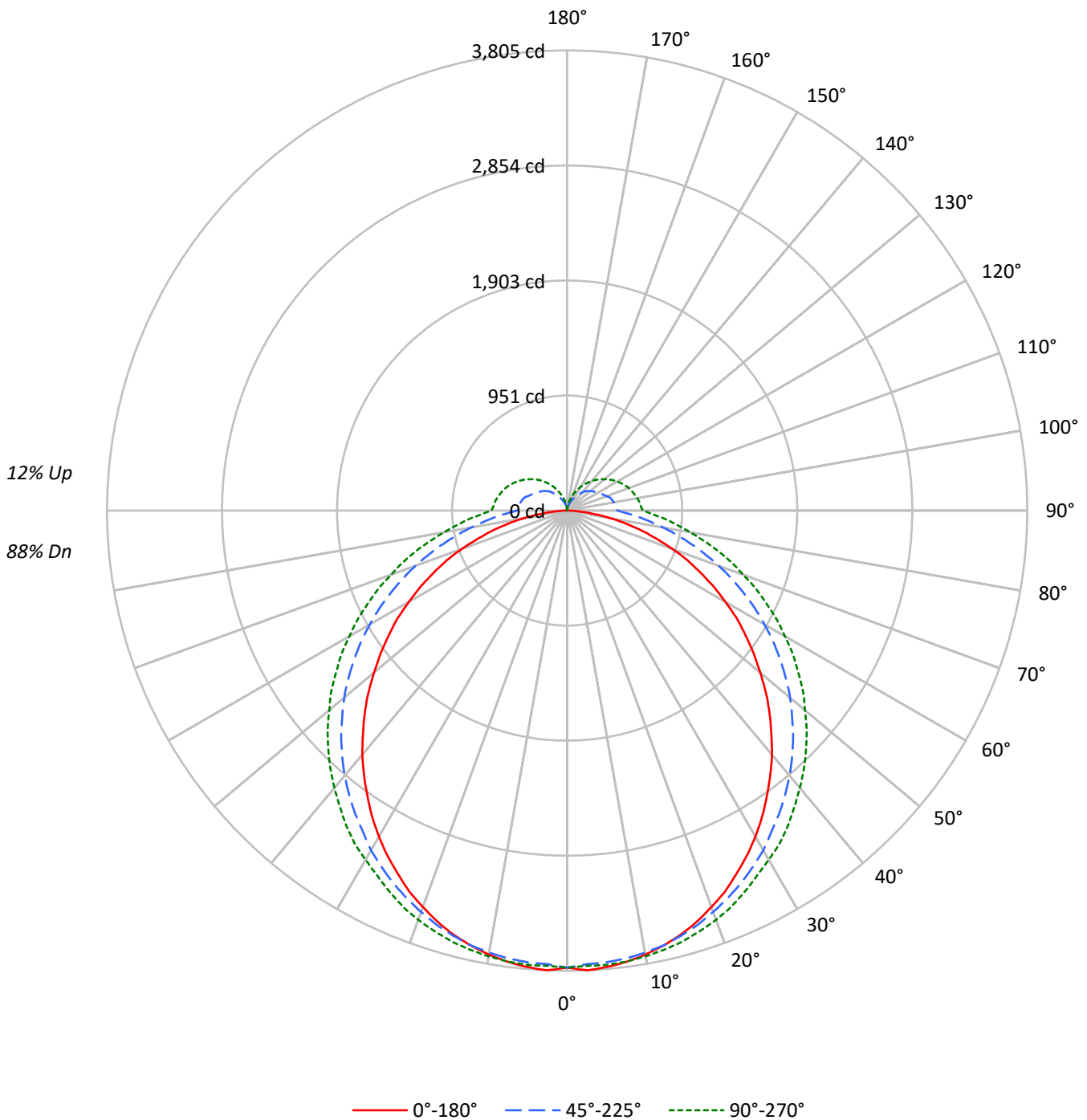
Lumens per Lamp: N/A
Luminaire Lumens: 13606.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 103.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	20339	20339	20339
5°	20449	19833	19792
10°	20336	19454	19319
15°	20170	19043	18872
20°	19902	18592	18406
25°	19580	18139	17876
30°	19229	17684	17388
35°	18785	17173	16967
40°	18354	16708	16452
45°	17833	16191	15963
50°	17228	15640	15404
55°	16653	14995	14845
60°	15990	14296	14203
65°	15181	13496	13519
70°	14152	12594	12732
75°	12688	11556	12009
80°	10640	10530	11097
85°	7718	9625	10503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.8	2.6
10°-20°	1032.1	7.6
20°-30°	1570.0	11.5
30°-40°	1909.0	14.0
40°-50°	2019.7	14.8
50°-60°	1893.2	13.9
60°-70°	1557.5	11.4
70°-80°	1077.6	7.9
80°-90°	599.2	4.4
90°-100°	394.8	2.9
100°-110°	354.0	2.6
110°-120°	293.0	2.2
120°-130°	226.5	1.7
130°-140°	160.4	1.2
140°-150°	96.7	0.7
150°-160°	46.5	0.3
160°-170°	15.2	0.1
170°-180°	1.9	0.0
0°-30°	2960.9	21.8
0°-40°	4869.9	35.8
0°-60°	8782.7	64.6
0°-90°	12017.1	88.3
90°-120°	1041.8	7.7
90°-150°	1525.4	11.2
90°-180°	1589.0	11.7
0°-180°	13606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3779	3779	3779	3779	3779	
5°	3788	3782	3749	3779	3770	360
15°	3630	3642	3639	3688	3688	1023
25°	3313	3360	3399	3474	3476	1527
35°	2880	2957	3057	3155	3183	1802
45°	2367	2491	2642	2761	2794	1825
55°	1801	1962	2151	2286	2332	1612
65°	1219	1393	1610	1768	1817	1208
75°	634	818	1058	1226	1293	672
85°	140	347	587	750	816	161
90°	2	196	415	571	627	9
95°	2	186	403	552	606	2
105°	2	161	378	520	566	2
115°	5	140	319	461	513	4
125°	5	119	273	394	443	4
135°	5	93	228	324	364	4
145°	5	68	158	245	275	3
155°	7	47	98	156	182	3
165°	7	30	54	72	93	2
175°	7	12	16	16	9	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3779.2	3779.2	3779.2	3779.2	3779.2
2.5°	3804.9	3793.2	3753.6	3779.2	3767.6
5°	3788.5	3781.6	3748.9	3779.2	3769.9
7.5°	3762.9	3760.6	3735.0	3769.9	3760.6
10°	3728.0	3732.6	3711.7	3748.9	3741.9
12.5°	3683.7	3690.7	3681.4	3723.3	3718.6
15°	3630.1	3641.8	3639.4	3688.4	3688.4
17.5°	3564.9	3581.2	3590.5	3646.4	3646.4
20°	3488.0	3513.6	3532.2	3592.8	3602.1
22.5°	3411.1	3441.4	3469.3	3532.2	3546.2
25°	3313.2	3359.8	3399.4	3474.0	3476.3
27.5°	3217.7	3269.0	3322.5	3394.8	3401.8
30°	3112.8	3178.1	3243.3	3313.2	3334.2
32.5°	3001.0	3073.2	3145.5	3238.7	3266.6
35°	2879.9	2956.7	3056.9	3154.8	3182.7
37.5°	2758.7	2844.9	2961.4	3061.6	3087.2
40°	2635.2	2730.7	2861.2	2963.7	2994.0
42.5°	2497.7	2614.2	2754.0	2863.5	2898.5
45°	2367.3	2490.7	2642.2	2761.0	2793.6
47.5°	2229.8	2360.3	2523.4	2649.2	2686.5
50°	2083.0	2232.1	2406.9	2532.7	2567.6
52.5°	1945.5	2097.0	2281.0	2411.5	2460.5
55°	1801.1	1961.8	2150.6	2285.7	2332.3
57.5°	1665.9	1819.7	2022.4	2157.6	2215.8
60°	1512.2	1682.2	1885.0	2031.7	2078.3
62.5°	1367.7	1540.1	1749.8	1901.3	1954.8
65°	1218.6	1393.3	1610.0	1768.5	1817.4
67.5°	1078.8	1251.2	1472.5	1628.7	1691.6
70°	925.0	1106.7	1332.7	1493.5	1547.1
72.5°	773.6	962.3	1192.9	1365.4	1425.9
75°	633.8	817.8	1057.8	1225.6	1293.1
77.5°	498.6	685.0	927.3	1099.7	1158.0
80°	363.5	559.2	806.2	976.3	1032.2
82.5°	240.0	445.0	689.7	859.8	920.3
85°	139.8	347.2	587.2	750.3	815.5
87.5°	60.6	263.3	491.6	652.4	706.0
90°	2.3	195.7	414.7	570.8	626.8
92.5°	2.3	191.1	405.4	559.2	612.8
95°	2.3	186.4	403.1	552.2	605.8
97.5°	2.3	184.1	398.4	547.5	598.8
100°	2.3	177.1	391.4	538.2	589.5
102.5°	2.3	167.8	384.4	528.9	577.8
105°	2.3	160.8	377.5	519.6	566.2
107.5°	2.3	153.8	365.8	507.9	554.5
110°	2.3	146.8	347.2	496.3	542.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	144.5	333.2	480.0	528.9
115°	4.7	139.8	319.2	461.3	512.6
117.5°	4.7	137.5	307.6	442.7	496.3
120°	4.7	130.5	295.9	426.4	477.6
122.5°	4.7	123.5	284.3	410.1	461.3
125°	4.7	118.8	272.6	393.8	442.7
127.5°	4.7	111.8	263.3	377.5	421.7
130°	4.7	107.2	251.6	358.8	403.1
132.5°	4.7	100.2	240.0	340.2	382.1
135°	4.7	93.2	228.3	323.9	363.5
137.5°	4.7	83.9	214.4	305.2	342.5
140°	4.7	76.9	195.7	286.6	321.5
142.5°	4.7	72.2	177.1	265.6	298.2
145°	4.7	67.6	158.4	244.6	274.9
147.5°	4.7	62.9	142.1	223.7	251.6
150°	4.7	55.9	125.8	205.0	228.3
152.5°	7.0	51.3	111.8	181.7	205.0
155°	7.0	46.6	97.9	156.1	181.7
157.5°	7.0	41.9	83.9	130.5	158.4
160°	7.0	37.3	72.2	107.2	135.1
162.5°	7.0	34.9	62.9	88.5	114.2
165°	7.0	30.3	53.6	72.2	93.2
167.5°	7.0	23.3	44.3	55.9	76.9
170°	7.0	18.6	34.9	39.6	58.2
172.5°	7.0	14.0	25.6	28.0	30.3
175°	7.0	11.6	16.3	16.3	9.3
177.5°	7.0	9.3	9.3	9.3	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)