

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: P567622

Luminaire Tested: **8SNX-180HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567622
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-180HL-SLW-UNV-L930-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

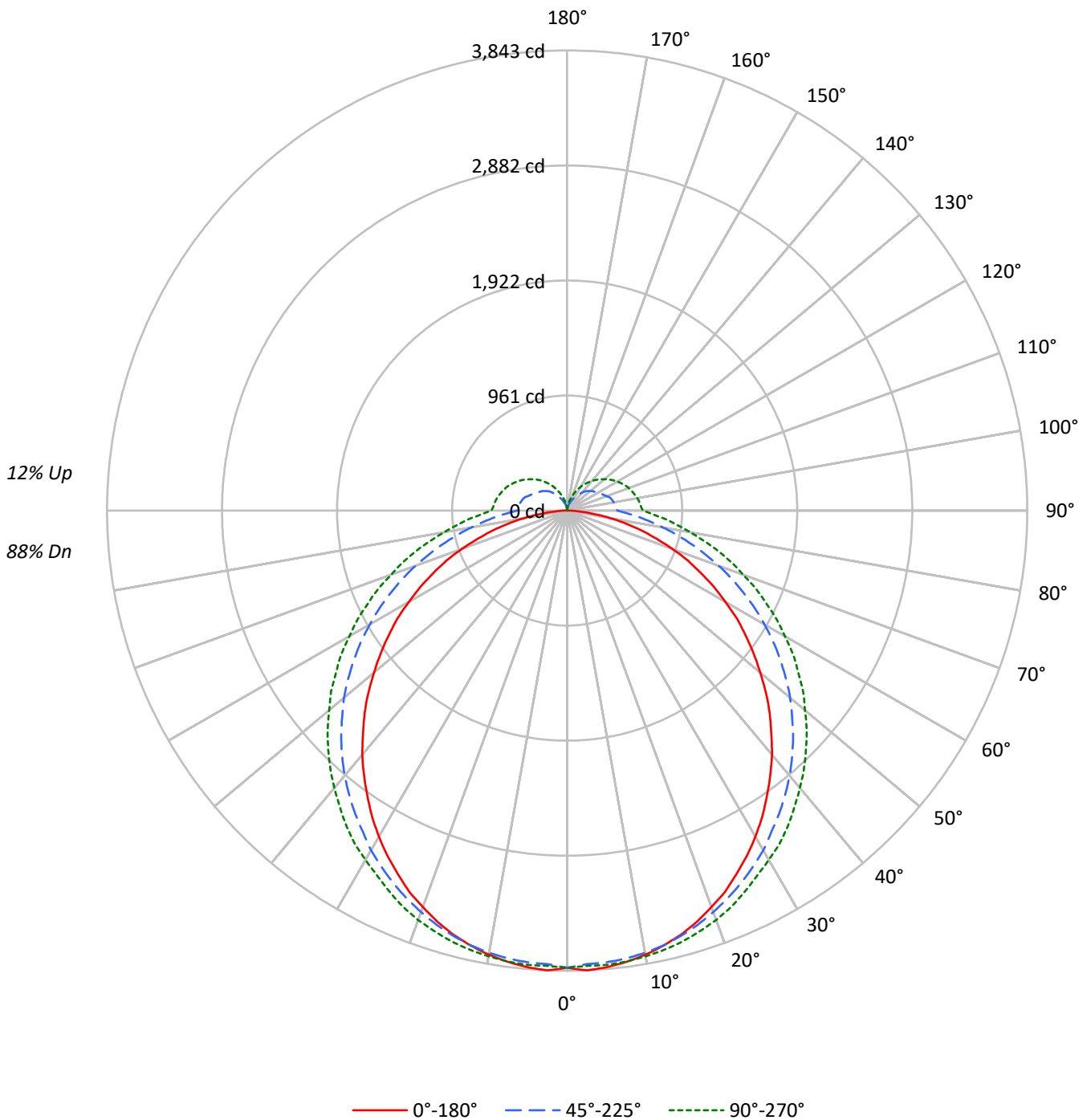
Lumens per Lamp: N/A
Luminaire Lumens: 13744.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 128.8
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°	20546	20546	20546
5°	20657	20035	19993
10°	20542	19651	19515
15°	20375	19236	19064
20°	20104	18781	18593
25°	19779	18323	18057
30°	19425	17863	17564
35°	18975	17347	17139
40°	18540	16877	16619
45°	18014	16355	16125
50°	17402	15799	15560
55°	16822	15147	14996
60°	16152	14440	14347
65°	15334	13633	13656
70°	14296	12723	12861
75°	12816	11672	12132
80°	10748	10636	11209
85°	7795	9722	10610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.4	2.6
10°-20°	1042.5	7.6
20°-30°	1586.0	11.5
30°-40°	1928.4	14.0
40°-50°	2040.2	14.8
50°-60°	1912.4	13.9
60°-70°	1573.3	11.4
70°-80°	1088.6	7.9
80°-90°	605.3	4.4
90°-100°	398.8	2.9
100°-110°	357.6	2.6
110°-120°	296.0	2.2
120°-130°	228.8	1.7
130°-140°	162.0	1.2
140°-150°	97.7	0.7
150°-160°	46.9	0.3
160°-170°	15.4	0.1
170°-180°	1.9	0.0
0°-30°	2990.9	21.8
0°-40°	4919.3	35.8
0°-60°	8871.8	64.6
0°-90°	12139.0	88.3
90°-120°	1052.4	7.7
90°-150°	1540.9	11.2
90°-180°	1605.0	11.7
0°-180°	13744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3818	3818	3818	3818	3818	
5°	3827	3820	3787	3818	3808	363
15°	3667	3679	3676	3726	3726	1034
25°	3347	3394	3434	3509	3512	1543
35°	2909	2987	3088	3187	3215	1821
45°	2391	2516	2669	2789	2822	1843
55°	1819	1982	2172	2309	2356	1629
65°	1231	1408	1626	1786	1836	1220
75°	640	826	1068	1238	1306	679
85°	141	351	593	758	824	163
90°	2	198	419	577	633	9
95°	2	188	407	558	612	2
105°	2	162	381	525	572	3
115°	5	141	322	466	518	4
125°	5	120	275	398	447	4
135°	5	94	231	327	367	4
145°	5	68	160	247	278	3
155°	7	47	99	158	184	3
165°	7	31	54	73	94	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°	3817.6	3817.6	3817.6	3817.6	3817.6
2.5°	3843.4	3831.7	3791.7	3817.6	3805.8
5°	3827.0	3819.9	3787.0	3817.6	3808.1
7.5°	3801.1	3798.7	3772.8	3808.1	3798.7
10°	3765.8	3770.5	3749.3	3787.0	3779.9
12.5°	3721.1	3728.1	3718.7	3761.1	3756.4
15°	3666.9	3678.7	3676.3	3725.8	3725.8
17.5°	3601.0	3617.5	3626.9	3683.4	3683.4
20°	3523.4	3549.2	3568.1	3629.3	3638.7
22.5°	3445.7	3476.3	3504.5	3568.1	3582.2
25°	3346.8	3393.9	3433.9	3509.2	3511.6
27.5°	3250.3	3302.1	3356.2	3429.2	3436.3
30°	3144.4	3210.3	3276.2	3346.8	3368.0
32.5°	3031.4	3104.4	3177.4	3271.5	3299.8
35°	2909.1	2986.7	3087.9	3186.8	3215.0
37.5°	2786.7	2873.8	2991.4	3092.6	3118.5
40°	2661.9	2758.4	2890.2	2993.8	3024.4
42.5°	2523.1	2640.7	2782.0	2892.6	2927.9
45°	2391.3	2516.0	2669.0	2789.0	2822.0
47.5°	2252.4	2384.2	2549.0	2676.1	2713.7
50°	2104.1	2254.8	2431.3	2558.4	2593.7
52.5°	1965.3	2118.2	2304.2	2436.0	2485.4
55°	1819.3	1981.7	2172.4	2308.9	2356.0
57.5°	1682.8	1838.2	2042.9	2179.4	2238.3
60°	1527.5	1699.3	1904.1	2052.3	2099.4
62.5°	1381.6	1555.7	1767.6	1920.5	1974.7
65°	1230.9	1407.5	1626.3	1786.4	1835.8
67.5°	1089.7	1263.9	1487.5	1645.2	1708.7
70°	934.4	1118.0	1346.3	1508.7	1562.8
72.5°	781.4	972.0	1205.0	1379.2	1440.4
75°	640.2	826.1	1068.5	1238.0	1306.3
77.5°	503.7	692.0	936.7	1110.9	1169.7
80°	367.2	564.9	814.3	986.2	1042.6
82.5°	242.4	449.5	696.7	868.5	929.7
85°	141.2	350.7	593.1	757.9	823.8
87.5°	61.2	266.0	496.6	659.0	713.1
90°	2.4	197.7	418.9	576.6	633.1
92.5°	2.4	193.0	409.5	564.9	619.0
95°	2.4	188.3	407.2	557.8	611.9
97.5°	2.4	185.9	402.5	553.1	604.9
100°	2.4	178.9	395.4	543.7	595.5
102.5°	2.4	169.5	388.3	534.3	583.7
105°	2.4	162.4	381.3	524.9	571.9
107.5°	2.4	155.3	369.5	513.1	560.2
110°	2.4	148.3	350.7	501.3	548.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	145.9	336.6	484.8	534.3
115°	4.7	141.2	322.4	466.0	517.8
117.5°	4.7	138.9	310.7	447.2	501.3
120°	4.7	131.8	298.9	430.7	482.5
122.5°	4.7	124.7	287.1	414.2	466.0
125°	4.7	120.0	275.4	397.8	447.2
127.5°	4.7	113.0	266.0	381.3	426.0
130°	4.7	108.3	254.2	362.5	407.2
132.5°	4.7	101.2	242.4	343.6	386.0
135°	4.7	94.1	230.7	327.2	367.2
137.5°	4.7	84.7	216.5	308.3	346.0
140°	4.7	77.7	197.7	289.5	324.8
142.5°	4.7	73.0	178.9	268.3	301.3
145°	4.7	68.3	160.0	247.1	277.7
147.5°	4.7	63.5	143.6	225.9	254.2
150°	4.7	56.5	127.1	207.1	230.7
152.5°	7.1	51.8	113.0	183.6	207.1
155°	7.1	47.1	98.9	157.7	183.6
157.5°	7.1	42.4	84.7	131.8	160.0
160°	7.1	37.7	73.0	108.3	136.5
162.5°	7.1	35.3	63.5	89.4	115.3
165°	7.1	30.6	54.1	73.0	94.1
167.5°	7.1	23.5	44.7	56.5	77.7
170°	7.1	18.8	35.3	40.0	58.8
172.5°	7.1	14.1	25.9	28.2	30.6
175°	7.1	11.8	16.5	16.5	9.4
177.5°	7.1	9.4	9.4	9.4	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)