

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: P567615

Luminaire Tested: **8SNX-180HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567615
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-LW-UNV-L935-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

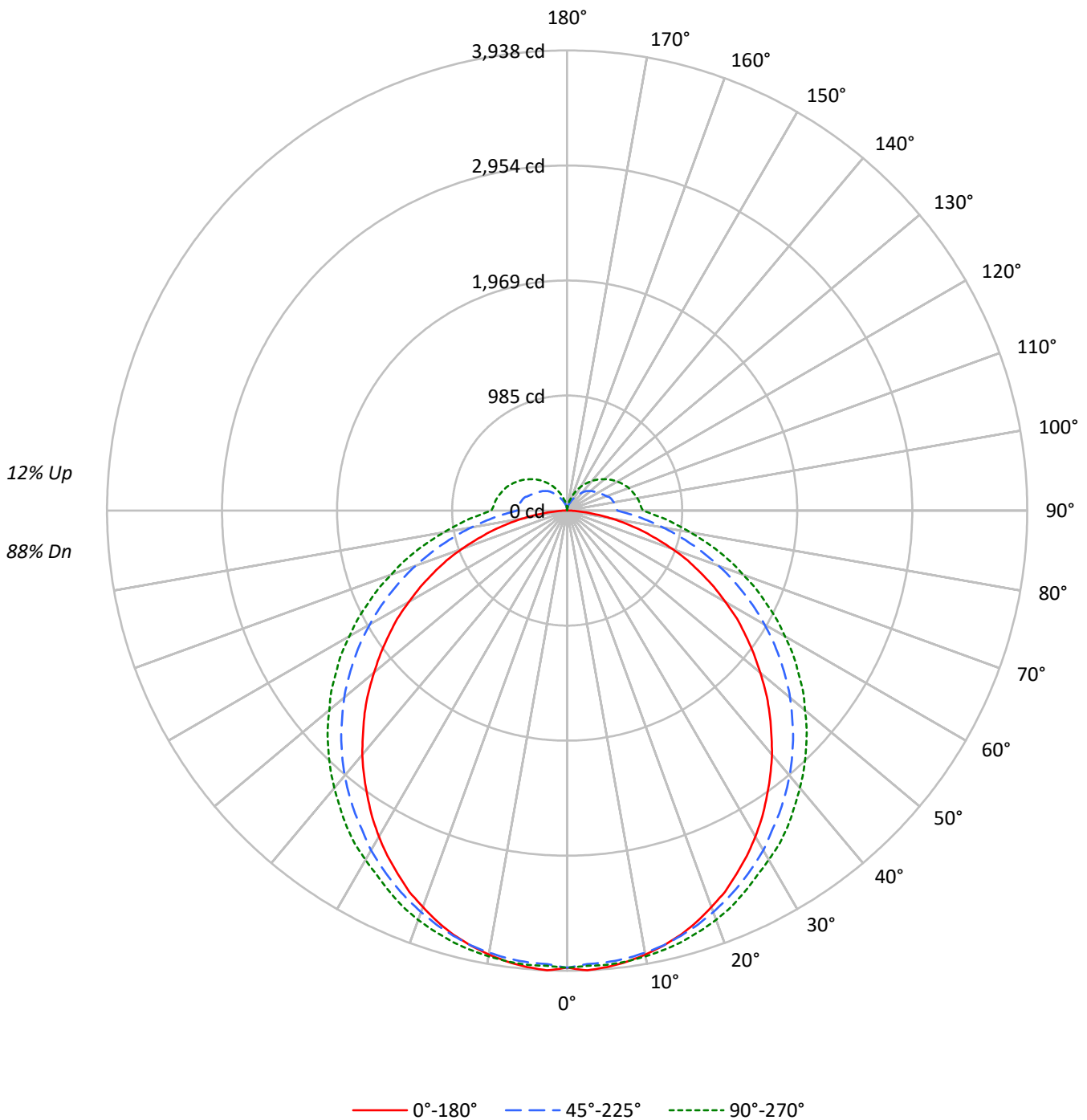
Lumens per Lamp: N/A
Luminaire Lumens: 14083.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	21053	21053	21053
5°	21147	20109	19919
10°	21011	19338	18940
15°	20819	18570	18048
20°	20522	17792	17184
25°	20169	17033	16300
30°	19785	16290	15486
35°	19303	15509	14756
40°	18834	14778	13962
45°	18268	14006	13205
50°	17614	13207	12400
55°	16987	12328	11604
60°	16261	11401	10746
65°	15375	10390	9859
70°	14250	9294	8898
75°	12657	8090	7979
80°	10428	6883	6926
85°	7217	5723	6047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.4	2.6
10°-20°	1068.2	7.6
20°-30°	1625.1	11.5
30°-40°	1975.9	14.0
40°-50°	2090.5	14.8
50°-60°	1959.6	13.9
60°-70°	1612.1	11.4
70°-80°	1115.4	7.9
80°-90°	620.2	4.4
90°-100°	408.6	2.9
100°-110°	366.4	2.6
110°-120°	303.3	2.2
120°-130°	234.5	1.7
130°-140°	166.0	1.2
140°-150°	100.1	0.7
150°-160°	48.1	0.3
160°-170°	15.7	0.1
170°-180°	1.9	0.0
0°-30°	3064.7	21.8
0°-40°	5040.6	35.8
0°-60°	9090.7	64.6
0°-90°	12438.4	88.3
90°-120°	1078.3	7.7
90°-150°	1578.8	11.2
90°-180°	1645.0	11.7
0°-180°	14083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3912	3912	3912	3912	3912	
5°	3921	3914	3880	3912	3902	372
15°	3757	3769	3767	3818	3818	1059
25°	3429	3478	3519	3596	3598	1581
35°	2981	3060	3164	3265	3294	1866
45°	2450	2578	2735	2858	2892	1889
55°	1864	2031	2226	2366	2414	1669
65°	1261	1442	1666	1830	1881	1251
75°	656	846	1095	1268	1338	696
85°	145	359	608	777	844	167
90°	2	203	429	591	649	10
95°	2	193	417	572	627	2
105°	2	166	391	538	586	3
115°	5	145	330	478	531	4
125°	5	123	282	408	458	4
135°	5	96	236	335	376	4
145°	5	70	164	253	285	3
155°	7	48	101	162	188	3
165°	7	31	56	75	96	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°	3911.7	3911.7	3911.7	3911.7	3911.7
2.5°	3938.2	3926.2	3885.2	3911.7	3899.7
5°	3921.4	3914.1	3880.4	3911.7	3902.1
7.5°	3894.8	3892.4	3865.9	3902.1	3892.4
10°	3858.7	3863.5	3841.8	3880.4	3873.1
12.5°	3812.8	3820.1	3810.4	3853.8	3849.0
15°	3757.4	3769.4	3767.0	3817.7	3817.7
17.5°	3689.8	3706.7	3716.4	3774.2	3774.2
20°	3610.3	3636.8	3656.1	3718.8	3728.4
22.5°	3530.7	3562.0	3591.0	3656.1	3670.5
25°	3429.4	3477.6	3518.6	3595.8	3598.2
27.5°	3330.5	3383.6	3439.0	3513.8	3521.0
30°	3222.0	3289.5	3357.0	3429.4	3451.1
32.5°	3106.2	3181.0	3255.7	3352.2	3381.1
35°	2980.8	3060.4	3164.1	3265.4	3294.3
37.5°	2855.4	2944.6	3065.2	3168.9	3195.4
40°	2727.6	2826.5	2961.5	3067.6	3099.0
42.5°	2585.3	2705.9	2850.6	2963.9	3000.1
45°	2450.2	2578.1	2734.8	2857.8	2891.6
47.5°	2308.0	2443.0	2611.8	2742.1	2780.6
50°	2156.0	2310.4	2491.2	2621.5	2657.6
52.5°	2013.7	2170.5	2361.0	2496.1	2546.7
55°	1864.2	2030.6	2226.0	2365.8	2414.1
57.5°	1724.3	1883.5	2093.3	2233.2	2293.5
60°	1565.2	1741.2	1951.0	2103.0	2151.2
62.5°	1415.6	1594.1	1811.2	1967.9	2023.4
65°	1261.3	1442.2	1666.5	1830.5	1881.1
67.5°	1116.6	1295.1	1524.2	1685.8	1750.9
70°	957.4	1145.5	1379.5	1545.9	1601.3
72.5°	800.7	996.0	1234.8	1413.2	1475.9
75°	656.0	846.5	1094.9	1268.5	1338.5
77.5°	516.1	709.0	959.8	1138.3	1198.6
80°	376.2	578.8	834.4	1010.5	1068.4
82.5°	248.4	460.6	713.9	889.9	952.6
85°	144.7	359.3	607.7	776.6	844.1
87.5°	62.7	272.5	508.9	675.3	730.7
90°	2.4	202.6	429.3	590.9	648.7
92.5°	2.4	197.8	419.6	578.8	634.3
95°	2.4	192.9	417.2	571.6	627.0
97.5°	2.4	190.5	412.4	566.7	619.8
100°	2.4	183.3	405.2	557.1	610.2
102.5°	2.4	173.6	397.9	547.4	598.1
105°	2.4	166.4	390.7	537.8	586.0
107.5°	2.4	159.2	378.6	525.7	574.0
110°	2.4	151.9	359.3	513.7	561.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	149.5	344.9	496.8	547.4
115°	4.8	144.7	330.4	477.5	530.6
117.5°	4.8	142.3	318.3	458.2	513.7
120°	4.8	135.1	306.3	441.3	494.4
122.5°	4.8	127.8	294.2	424.5	477.5
125°	4.8	123.0	282.2	407.6	458.2
127.5°	4.8	115.8	272.5	390.7	436.5
130°	4.8	110.9	260.5	371.4	417.2
132.5°	4.8	103.7	248.4	352.1	395.5
135°	4.8	96.5	236.3	335.2	376.2
137.5°	4.8	86.8	221.9	315.9	354.5
140°	4.8	79.6	202.6	296.6	332.8
142.5°	4.8	74.8	183.3	274.9	308.7
145°	4.8	69.9	164.0	253.2	284.6
147.5°	4.8	65.1	147.1	231.5	260.5
150°	4.8	57.9	130.2	212.2	236.3
152.5°	7.2	53.1	115.8	188.1	212.2
155°	7.2	48.2	101.3	161.6	188.1
157.5°	7.2	43.4	86.8	135.1	164.0
160°	7.2	38.6	74.8	110.9	139.9
162.5°	7.2	36.2	65.1	91.6	118.2
165°	7.2	31.4	55.5	74.8	96.5
167.5°	7.2	24.1	45.8	57.9	79.6
170°	7.2	19.3	36.2	41.0	60.3
172.5°	7.2	14.5	26.5	28.9	31.4
175°	7.2	12.1	16.9	16.9	9.6
177.5°	7.2	9.6	9.6	9.6	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)