

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: P567606

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-180HL-LN-UNV-L930-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

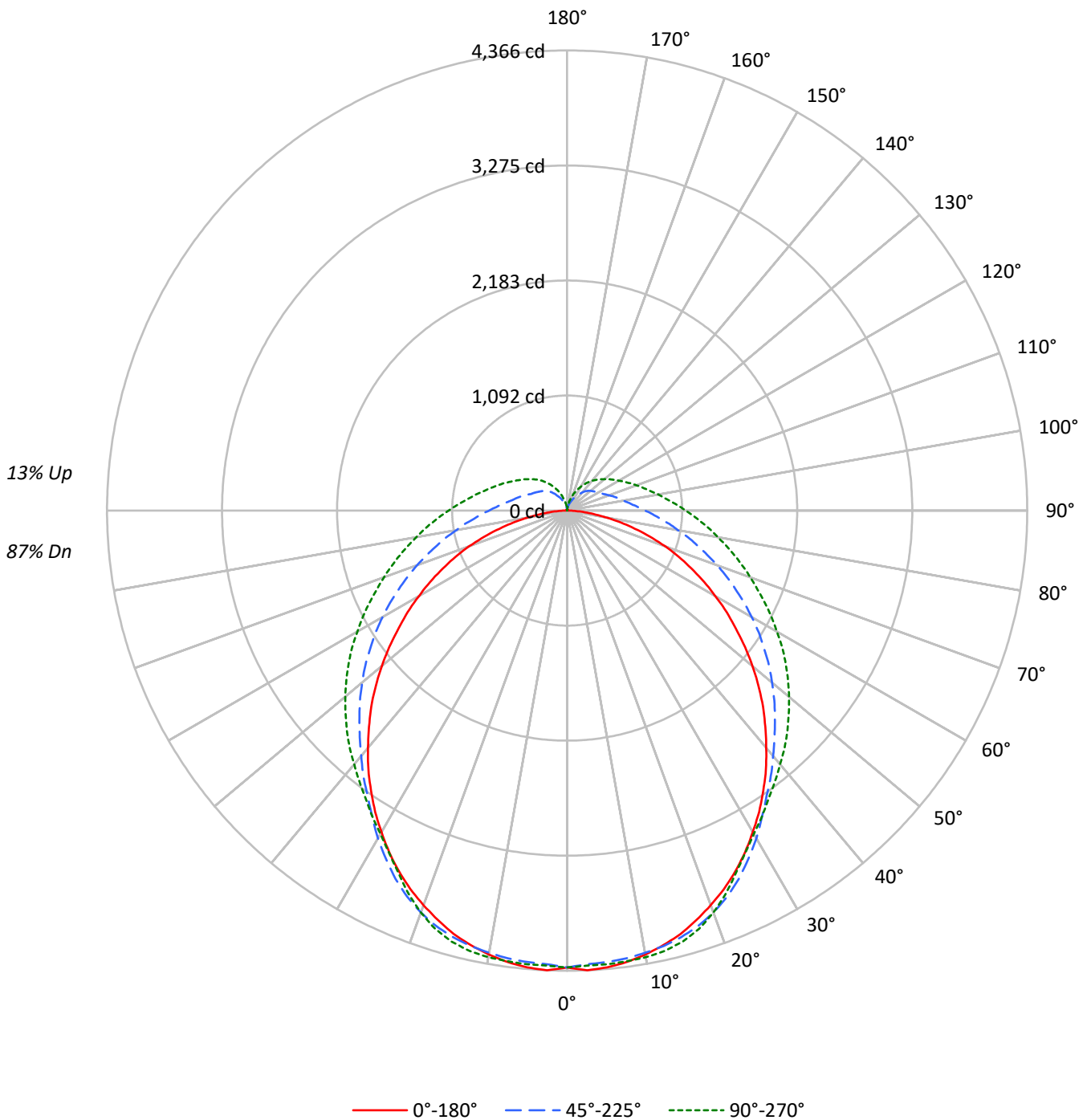
Lumens per Lamp: N/A
Luminaire Lumens: 15647.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23328	23328	23328
5°	23460	22283	22059
10°	23284	21444	21041
15°	23047	20648	20014
20°	22648	19750	18706
25°	22216	18659	17172
30°	21632	17429	15891
35°	21009	16175	14935
40°	20295	15170	14162
45°	19600	14279	13495
50°	18768	13458	12823
55°	17790	12634	12164
60°	16867	11812	11476
65°	15845	10982	10845
70°	14687	10205	10274
75°	12846	9447	9805
80°	10442	8797	9406
85°	7541	8344	9179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.8	2.6
10°-20°	1183.9	7.6
20°-30°	1762.9	11.3
30°-40°	2080.1	13.3
40°-50°	2169.4	13.9
50°-60°	2038.6	13.0
60°-70°	1721.6	11.0
70°-80°	1300.8	8.3
80°-90°	896.7	5.7
90°-100°	627.5	4.0
100°-110°	468.3	3.0
110°-120°	353.0	2.3
120°-130°	263.3	1.7
130°-140°	184.8	1.2
140°-150°	111.7	0.7
150°-160°	53.4	0.3
160°-170°	17.1	0.1
170°-180°	2.0	0.0
0°-30°	3358.6	21.5
0°-40°	5438.7	34.8
0°-60°	9646.7	61.7
0°-90°	13565.9	86.7
90°-120°	1448.8	9.3
90°-150°	2008.6	12.8
90°-180°	2081.0	13.3
0°-180°	15647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4334	4334	4334	4334	4334	
5°	4350	4342	4300	4332	4321	413
15°	4159	4178	4189	4242	4234	1171
25°	3777	3854	3854	3820	3791	1738
35°	3244	3364	3300	3326	3334	2029
45°	2629	2759	2788	2902	2955	2024
55°	1952	2120	2281	2464	2531	1752
65°	1300	1507	1761	1992	2069	1291
75°	666	923	1279	1546	1645	709
85°	151	475	886	1178	1281	170
90°	3	337	740	1024	1125	11
95°	3	263	626	897	990	2
105°	5	188	483	700	780	5
115°	5	162	374	557	629	6
125°	8	138	316	456	515	7
135°	8	106	263	371	416	6
145°	11	77	183	284	318	6
155°	11	50	111	180	210	5
165°	13	32	58	80	106	4
175°	13	13	16	16	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4334.5	4334.5	4334.5	4334.5	4334.5
2.5°	4366.3	4355.7	4308.0	4334.5	4321.2
5°	4350.4	4342.5	4300.0	4331.9	4321.2
7.5°	4321.2	4318.6	4286.8	4323.9	4313.3
10°	4276.2	4284.1	4260.2	4310.6	4302.7
12.5°	4223.1	4239.0	4231.1	4286.8	4278.8
15°	4159.4	4178.0	4188.6	4241.7	4233.7
17.5°	4074.5	4109.0	4132.9	4175.3	4162.1
20°	3984.4	4032.1	4058.6	4079.9	4058.6
22.5°	3886.2	3949.9	3965.8	3955.2	3934.0
25°	3777.4	3854.4	3854.4	3819.9	3790.7
27.5°	3655.4	3750.9	3724.4	3684.6	3660.7
30°	3522.8	3636.8	3591.8	3546.7	3541.4
32.5°	3390.1	3509.5	3443.2	3432.6	3440.6
35°	3244.3	3363.6	3300.0	3326.5	3334.4
37.5°	3098.4	3217.7	3175.3	3215.1	3238.9
40°	2939.2	3066.5	3040.0	3111.6	3143.4
42.5°	2782.7	2915.3	2912.7	3005.5	3053.3
45°	2628.8	2758.8	2788.0	2902.1	2955.1
47.5°	2461.7	2594.3	2666.0	2798.6	2851.7
50°	2297.2	2440.5	2538.6	2687.2	2748.2
52.5°	2127.5	2278.7	2414.0	2578.4	2642.1
55°	1952.4	2119.5	2281.3	2464.4	2530.7
57.5°	1795.9	1965.6	2156.6	2345.0	2421.9
60°	1623.5	1811.8	2021.4	2220.3	2297.2
62.5°	1466.9	1660.6	1894.0	2103.6	2185.8
65°	1299.8	1506.7	1761.4	1992.2	2069.1
67.5°	1146.0	1358.2	1636.7	1870.2	1955.0
70°	986.8	1212.3	1514.7	1761.4	1848.9
72.5°	822.3	1061.1	1392.7	1655.3	1745.5
75°	665.8	923.1	1278.6	1546.5	1644.7
77.5°	519.9	790.5	1175.1	1451.0	1546.5
80°	376.7	671.1	1066.4	1352.9	1451.0
82.5°	249.4	567.7	978.8	1265.3	1368.8
85°	151.2	474.8	886.0	1177.8	1281.3
87.5°	69.0	397.9	811.7	1100.9	1201.7
90°	2.7	336.9	740.1	1023.9	1124.7
92.5°	2.7	294.4	681.7	957.6	1055.8
95°	2.7	262.6	626.0	896.6	989.5
97.5°	2.7	241.4	583.6	838.3	928.4
100°	2.7	220.2	541.2	785.2	878.0
102.5°	5.3	201.6	509.3	737.5	825.0
105°	5.3	188.3	482.8	700.3	779.9
107.5°	5.3	180.4	453.6	663.2	737.5
110°	5.3	172.4	421.8	626.0	700.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	167.1	397.9	594.2	665.8
115°	5.3	161.8	374.0	557.1	628.7
117.5°	5.3	159.2	360.8	527.9	596.9
120°	8.0	151.2	344.9	501.4	567.7
122.5°	8.0	143.2	328.9	480.1	538.5
125°	8.0	137.9	315.7	456.3	514.6
127.5°	8.0	130.0	302.4	435.0	488.1
130°	8.0	122.0	291.8	413.8	464.2
132.5°	8.0	114.1	278.5	392.6	440.3
135°	8.0	106.1	262.6	371.4	416.5
137.5°	8.0	98.1	246.7	350.2	392.6
140°	8.0	90.2	225.5	328.9	368.7
142.5°	8.0	82.2	204.3	307.7	342.2
145°	10.6	76.9	183.0	283.8	318.3
147.5°	10.6	69.0	161.8	260.0	289.1
150°	10.6	63.7	145.9	236.1	262.6
152.5°	10.6	55.7	130.0	209.6	236.1
155°	10.6	50.4	111.4	180.4	209.6
157.5°	10.6	45.1	95.5	151.2	183.0
160°	10.6	42.4	82.2	124.7	156.5
162.5°	13.3	37.1	69.0	100.8	130.0
165°	13.3	31.8	58.4	79.6	106.1
167.5°	13.3	26.5	47.7	61.0	82.2
170°	13.3	21.2	37.1	42.4	63.7
172.5°	13.3	15.9	26.5	29.2	31.8
175°	13.3	13.3	15.9	15.9	8.0
177.5°	13.3	13.3	10.6	8.0	2.7
180°	8.0	8.0	8.0	8.0	8.0

(END OF REPORT)