

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: P567462

Luminaire Tested: **8SNX-162HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567462  
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-162HL-LN-UNV-L930-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

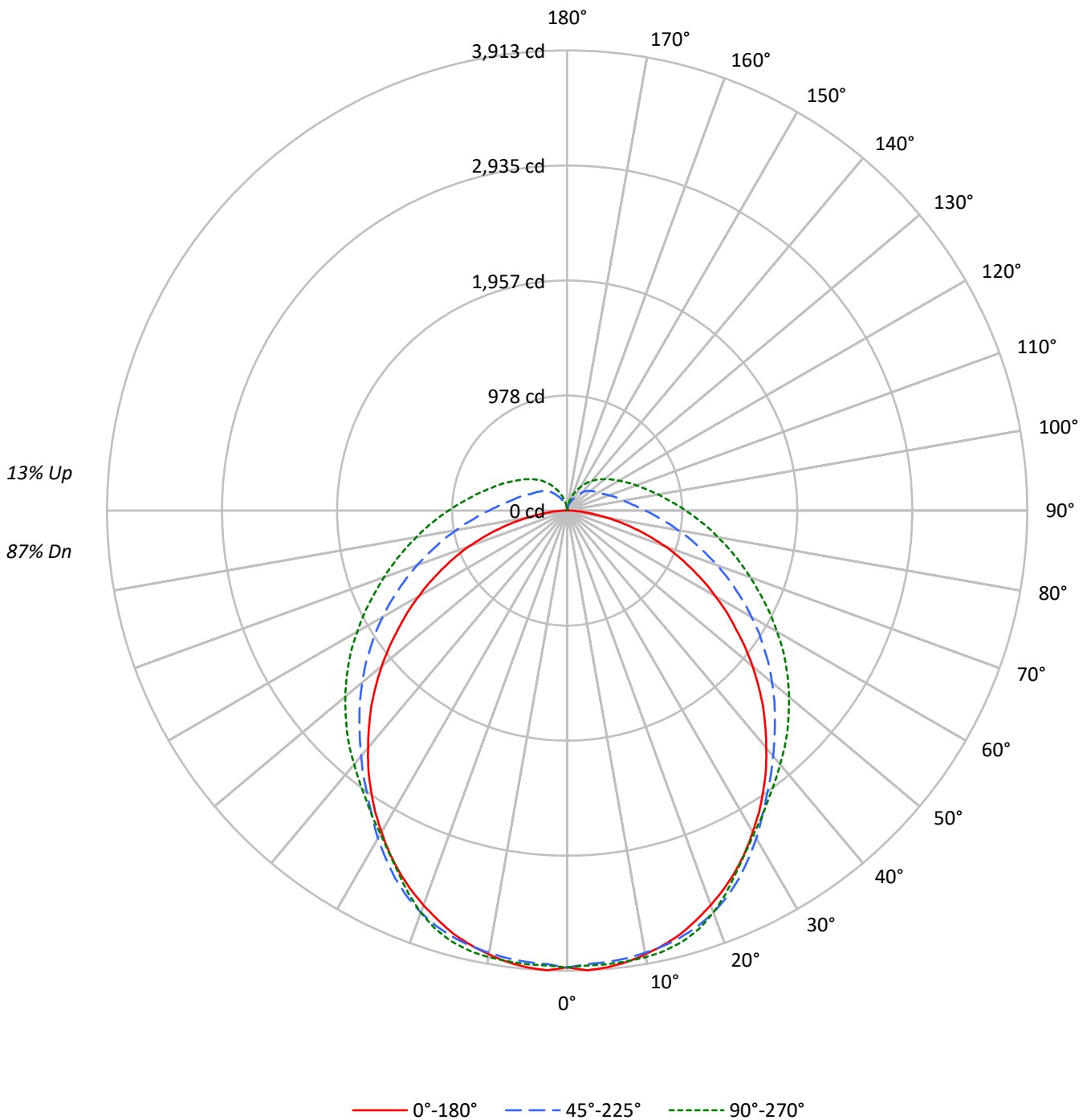
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14022.0 lumens  
Efficiency: N/A  
Efficacy: 127.2 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): 110.2  
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°	20906	20906	20906
5°	21024	19969	19768
10°	20866	19217	18855
15°	20654	18504	17936
20°	20296	17699	16763
25°	19908	16721	15389
30°	19386	15619	14241
35°	18827	14495	13384
40°	18187	13594	12691
45°	17565	12795	12094
50°	16820	12061	11491
55°	15942	11322	10901
60°	15115	10585	10284
65°	14199	9842	9718
70°	13162	9145	9207
75°	11513	8466	8787
80°	9358	7883	8429
85°	6758	7478	8225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.0	2.6
10°-20°	1060.9	7.6
20°-30°	1579.8	11.3
30°-40°	1864.1	13.3
40°-50°	1944.1	13.9
50°-60°	1826.9	13.0
60°-70°	1542.8	11.0
70°-80°	1165.7	8.3
80°-90°	803.6	5.7
90°-100°	562.3	4.0
100°-110°	419.6	3.0
110°-120°	316.4	2.3
120°-130°	235.9	1.7
130°-140°	165.6	1.2
140°-150°	100.1	0.7
150°-160°	47.9	0.3
160°-170°	15.3	0.1
170°-180°	1.8	0.0
0°-30°	3009.8	21.5
0°-40°	4873.9	34.8
0°-60°	8644.9	61.7
0°-90°	12157.0	86.7
90°-120°	1298.3	9.3
90°-150°	1800.0	12.8
90°-180°	1865.0	13.3
0°-180°	14022.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3884	3884	3884	3884	3884	
5°	3899	3892	3854	3882	3872	370
15°	3728	3744	3754	3801	3794	1050
25°	3385	3454	3454	3423	3397	1557
35°	2907	3014	2957	2981	2988	1818
45°	2356	2472	2498	2601	2648	1814
55°	1750	1899	2044	2208	2268	1570
65°	1165	1350	1578	1785	1854	1157
75°	597	827	1146	1386	1474	635
85°	136	426	794	1056	1148	152
90°	2	302	663	918	1008	9
95°	2	235	561	804	887	2
105°	5	169	433	628	699	5
115°	5	145	335	499	563	5
125°	7	124	283	409	461	6
135°	7	95	235	333	373	5
145°	10	69	164	254	285	5
155°	10	45	100	162	188	4
165°	12	28	52	71	95	3
175°	12	12	14	14	7	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3884.4	3884.4	3884.4	3884.4	3884.4
2.5°	3912.9	3903.4	3860.6	3884.4	3872.5
5°	3898.6	3891.5	3853.5	3882.0	3872.5
7.5°	3872.5	3870.1	3841.6	3874.8	3865.3
10°	3832.1	3839.2	3817.8	3863.0	3855.8
12.5°	3784.5	3798.8	3791.6	3841.6	3834.4
15°	3727.5	3744.1	3753.6	3801.2	3794.0
17.5°	3651.4	3682.3	3703.7	3741.7	3729.8
20°	3570.6	3613.4	3637.1	3656.1	3637.1
22.5°	3482.6	3539.7	3553.9	3544.4	3525.4
25°	3385.1	3454.1	3454.1	3423.2	3397.0
27.5°	3275.8	3361.4	3337.6	3301.9	3280.5
30°	3156.9	3259.1	3218.7	3178.3	3173.6
32.5°	3038.1	3145.0	3085.6	3076.1	3083.2
35°	2907.3	3014.3	2957.2	2981.0	2988.1
37.5°	2776.6	2883.6	2845.5	2881.2	2902.6
40°	2633.9	2748.1	2724.3	2788.5	2817.0
42.5°	2493.7	2612.5	2610.2	2693.4	2736.2
45°	2355.8	2472.3	2498.4	2600.7	2648.2
47.5°	2206.0	2324.9	2389.1	2508.0	2555.5
50°	2058.7	2187.0	2275.0	2408.1	2462.8
52.5°	1906.5	2042.0	2163.3	2310.6	2367.7
55°	1749.6	1899.4	2044.4	2208.4	2267.9
57.5°	1609.4	1761.5	1932.7	2101.5	2170.4
60°	1454.9	1623.6	1811.4	1989.7	2058.7
62.5°	1314.6	1488.1	1697.3	1885.1	1958.8
65°	1164.8	1350.3	1578.5	1785.3	1854.2
67.5°	1027.0	1217.1	1466.7	1675.9	1752.0
70°	884.3	1086.4	1357.4	1578.5	1656.9
72.5°	736.9	950.9	1248.0	1483.4	1564.2
75°	596.7	827.3	1145.8	1385.9	1473.9
77.5°	465.9	708.4	1053.1	1300.3	1385.9
80°	337.6	601.4	955.6	1212.4	1300.3
82.5°	223.5	508.7	877.2	1133.9	1226.6
85°	135.5	425.5	794.0	1055.5	1148.2
87.5°	61.8	356.6	727.4	986.5	1076.9
90°	2.4	301.9	663.2	917.6	1007.9
92.5°	2.4	263.9	610.9	858.2	946.1
95°	2.4	235.3	561.0	803.5	886.7
97.5°	2.4	216.3	523.0	751.2	832.0
100°	2.4	197.3	485.0	703.7	786.9
102.5°	4.8	180.7	456.4	660.9	739.3
105°	4.8	168.8	432.7	627.6	698.9
107.5°	4.8	161.7	406.5	594.3	660.9
110°	4.8	154.5	378.0	561.0	627.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.8	149.8	356.6	532.5	596.7
115°	4.8	145.0	335.2	499.2	563.4
117.5°	4.8	142.6	323.3	473.1	534.9
120°	7.1	135.5	309.0	449.3	508.7
122.5°	7.1	128.4	294.8	430.3	482.6
125°	7.1	123.6	282.9	408.9	461.2
127.5°	7.1	116.5	271.0	389.9	437.4
130°	7.1	109.4	261.5	370.8	416.0
132.5°	7.1	102.2	249.6	351.8	394.6
135°	7.1	95.1	235.3	332.8	373.2
137.5°	7.1	88.0	221.1	313.8	351.8
140°	7.1	80.8	202.1	294.8	330.4
142.5°	7.1	73.7	183.0	275.8	306.7
145°	9.5	68.9	164.0	254.4	285.3
147.5°	9.5	61.8	145.0	233.0	259.1
150°	9.5	57.1	130.7	211.6	235.3
152.5°	9.5	49.9	116.5	187.8	211.6
155°	9.5	45.2	99.8	161.7	187.8
157.5°	9.5	40.4	85.6	135.5	164.0
160°	9.5	38.0	73.7	111.7	140.3
162.5°	11.9	33.3	61.8	90.3	116.5
165°	11.9	28.5	52.3	71.3	95.1
167.5°	11.9	23.8	42.8	54.7	73.7
170°	11.9	19.0	33.3	38.0	57.1
172.5°	11.9	14.3	23.8	26.1	28.5
175°	11.9	11.9	14.3	14.3	7.1
177.5°	11.9	11.9	9.5	7.1	2.4
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)