

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: P567478

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567478  
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-162HL-SLW-UNV-L930-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

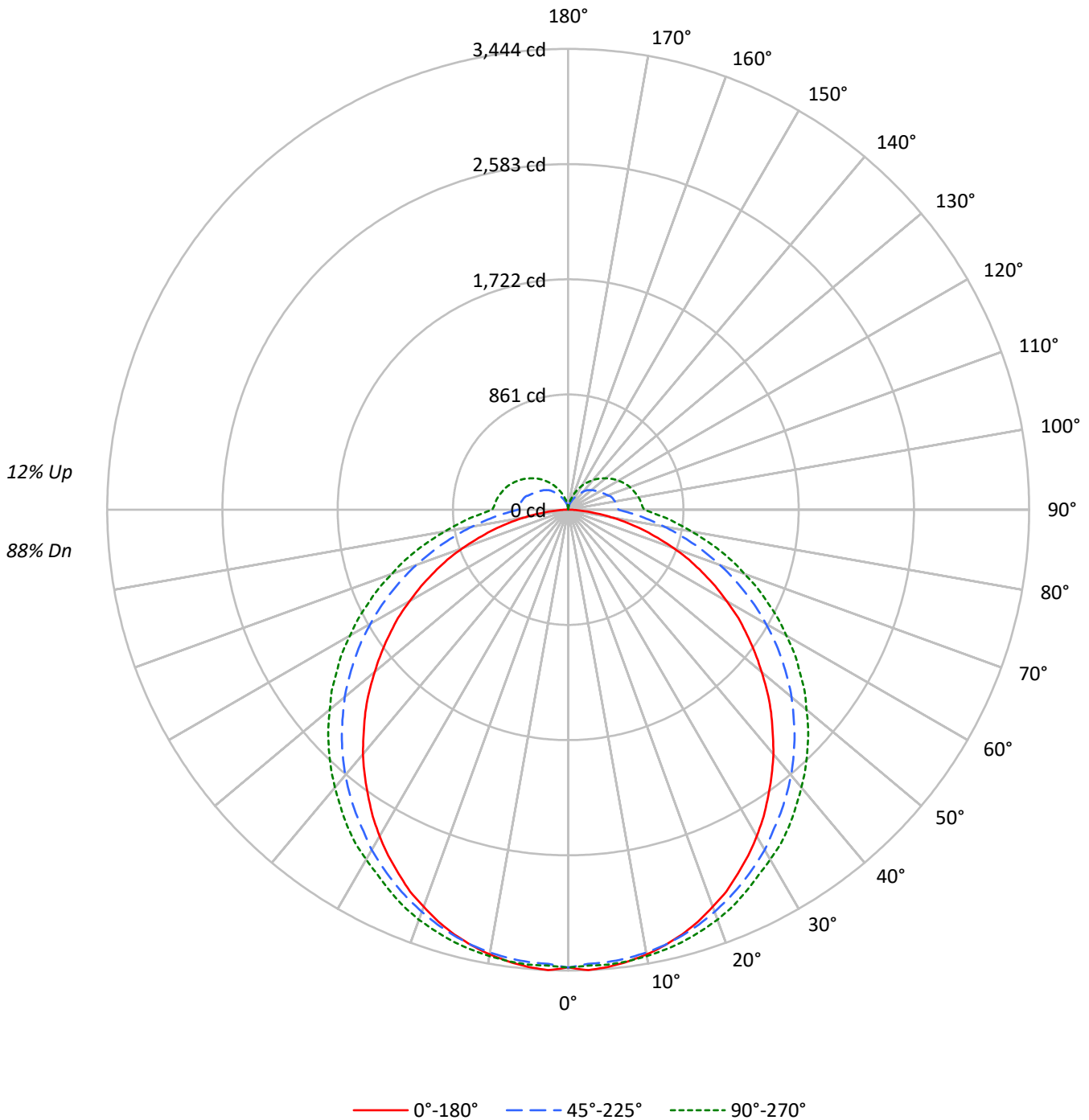
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12317.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 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): 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	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°	18413	18413	18413
5°	18512	17955	17917
10°	18410	17611	17488
15°	18259	17239	17084
20°	18016	16831	16663
25°	17725	16421	16183
30°	17408	16009	15740
35°	17005	15546	15359
40°	16615	15125	14893
45°	16143	14657	14451
50°	15596	14158	13945
55°	15075	13574	13439
60°	14475	12941	12858
65°	13742	12218	12238
70°	12812	11401	11525
75°	11485	10461	10872
80°	9630	9532	10046
85°	6989	8712	9507



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.8	2.6
10°-20°	934.3	7.6
20°-30°	1421.3	11.5
30°-40°	1728.1	14.0
40°-50°	1828.3	14.8
50°-60°	1713.8	13.9
60°-70°	1409.9	11.4
70°-80°	975.5	7.9
80°-90°	542.5	4.4
90°-100°	357.4	2.9
100°-110°	320.5	2.6
110°-120°	265.3	2.2
120°-130°	205.1	1.7
130°-140°	145.2	1.2
140°-150°	87.6	0.7
150°-160°	42.0	0.3
160°-170°	13.8	0.1
170°-180°	1.7	0.0
0°-30°	2680.4	21.8
0°-40°	4408.5	35.8
0°-60°	7950.7	64.6
0°-90°	10878.6	88.3
90°-120°	943.1	7.7
90°-150°	1380.9	11.2
90°-180°	1438.0	11.7
0°-180°	12317.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3421	3421	3421	3421	3421	
5°	3430	3423	3394	3421	3413	326
15°	3286	3297	3295	3339	3339	926
25°	2999	3042	3077	3145	3147	1383
35°	2607	2677	2767	2856	2881	1632
45°	2143	2255	2392	2499	2529	1652
55°	1630	1776	1947	2069	2111	1460
65°	1103	1261	1458	1601	1645	1094
75°	574	740	958	1110	1171	609
85°	127	314	532	679	738	146
90°	2	177	375	517	567	8
95°	2	169	365	500	548	2
105°	2	146	342	470	512	2
115°	4	127	289	418	464	3
125°	4	108	247	356	401	4
135°	4	84	207	293	329	3
145°	4	61	143	222	249	3
155°	6	42	89	141	164	3
165°	6	27	48	65	84	2
175°	6	10	15	15	8	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3421.2	3421.2	3421.2	3421.2	3421.2
2.5°	3444.4	3433.8	3398.0	3421.2	3410.6
5°	3429.6	3423.3	3393.8	3421.2	3412.7
7.5°	3406.4	3404.3	3381.1	3412.7	3404.3
10°	3374.8	3379.0	3360.0	3393.8	3387.4
12.5°	3334.7	3341.0	3332.6	3370.6	3366.3
15°	3286.2	3296.7	3294.6	3338.9	3338.9
17.5°	3227.1	3241.9	3250.3	3301.0	3301.0
20°	3157.5	3180.7	3197.6	3252.4	3260.9
22.5°	3087.9	3115.3	3140.7	3197.6	3210.3
25°	2999.3	3041.5	3077.4	3144.9	3147.0
27.5°	2912.9	2959.3	3007.8	3073.2	3079.5
30°	2817.9	2877.0	2936.1	2999.3	3018.3
32.5°	2716.7	2782.1	2847.5	2931.8	2957.2
35°	2607.0	2676.6	2767.3	2855.9	2881.2
37.5°	2497.3	2575.4	2680.8	2771.5	2794.7
40°	2385.5	2472.0	2590.1	2683.0	2710.4
42.5°	2261.1	2366.6	2493.1	2592.3	2623.9
45°	2143.0	2254.8	2391.9	2499.4	2529.0
47.5°	2018.5	2136.7	2284.3	2398.2	2432.0
50°	1885.7	2020.7	2178.8	2292.7	2324.4
52.5°	1761.2	1898.3	2064.9	2183.1	2227.4
55°	1630.4	1776.0	1946.8	2069.2	2111.3
57.5°	1508.1	1647.3	1830.8	1953.2	2005.9
60°	1368.9	1522.9	1706.4	1839.3	1881.4
62.5°	1238.1	1394.2	1584.0	1721.1	1769.7
65°	1103.1	1261.3	1457.5	1600.9	1645.2
67.5°	976.6	1132.7	1333.0	1474.4	1531.3
70°	837.4	1001.9	1206.5	1352.0	1400.5
72.5°	700.3	871.1	1079.9	1236.0	1290.9
75°	573.7	740.3	957.6	1109.5	1170.6
77.5°	451.4	620.1	839.5	995.6	1048.3
80°	329.0	506.2	729.8	883.8	934.4
82.5°	217.3	402.9	624.3	778.3	833.1
85°	126.6	314.3	531.5	679.2	738.2
87.5°	54.8	238.3	445.0	590.6	639.1
90°	2.1	177.2	375.4	516.8	567.4
92.5°	2.1	173.0	367.0	506.2	554.7
95°	2.1	168.7	364.9	499.9	548.4
97.5°	2.1	166.6	360.7	495.7	542.1
100°	2.1	160.3	354.4	487.2	533.6
102.5°	2.1	151.9	348.0	478.8	523.1
105°	2.1	145.5	341.7	470.4	512.5
107.5°	2.1	139.2	331.2	459.8	502.0
110°	2.1	132.9	314.3	449.3	491.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	130.8	301.6	434.5	478.8
115°	4.2	126.6	289.0	417.6	464.0
117.5°	4.2	124.4	278.4	400.8	449.3
120°	4.2	118.1	267.9	386.0	432.4
122.5°	4.2	111.8	257.3	371.2	417.6
125°	4.2	107.6	246.8	356.5	400.8
127.5°	4.2	101.2	238.3	341.7	381.8
130°	4.2	97.0	227.8	324.8	364.9
132.5°	4.2	90.7	217.3	307.9	345.9
135°	4.2	84.4	206.7	293.2	329.0
137.5°	4.2	75.9	194.1	276.3	310.1
140°	4.2	69.6	177.2	259.4	291.1
142.5°	4.2	65.4	160.3	240.5	270.0
145°	4.2	61.2	143.4	221.5	248.9
147.5°	4.2	56.9	128.7	202.5	227.8
150°	4.2	50.6	113.9	185.6	206.7
152.5°	6.3	46.4	101.2	164.5	185.6
155°	6.3	42.2	88.6	141.3	164.5
157.5°	6.3	38.0	75.9	118.1	143.4
160°	6.3	33.7	65.4	97.0	122.3
162.5°	6.3	31.6	56.9	80.2	103.4
165°	6.3	27.4	48.5	65.4	84.4
167.5°	6.3	21.1	40.1	50.6	69.6
170°	6.3	16.9	31.6	35.9	52.7
172.5°	6.3	12.7	23.2	25.3	27.4
175°	6.3	10.5	14.8	14.8	8.4
177.5°	6.3	8.4	8.4	8.4	4.2
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)