

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: P567470

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567470
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-LW-UNV-L930-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

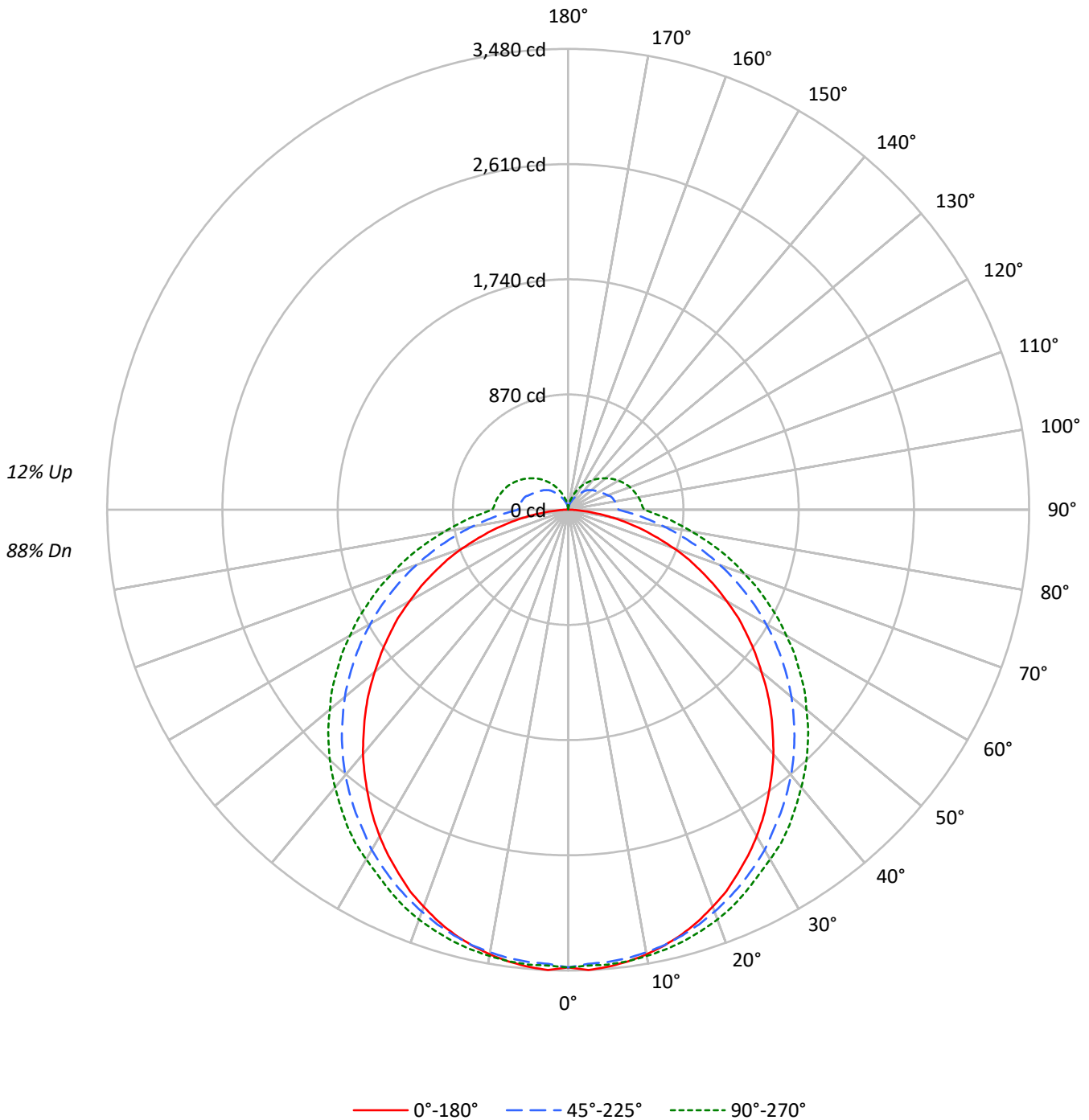
Lumens per Lamp: N/A
Luminaire Lumens: 12442.9 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	18601	18601	18601
5°	18684	17767	17600
10°	18564	17086	16735
15°	18395	16407	15946
20°	18132	15720	15183
25°	17820	15050	14402
30°	17481	14393	13683
35°	17055	13703	13038
40°	16641	13057	12336
45°	16141	12375	11667
50°	15563	11669	10956
55°	15008	10892	10252
60°	14367	10073	9495
65°	13585	9180	8711
70°	12590	8211	7863
75°	11183	7148	7050
80°	9214	6082	6120
85°	6374	5057	5343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.1	2.6
10°-20°	943.8	7.6
20°-30°	1435.8	11.5
30°-40°	1745.8	14.0
40°-50°	1847.0	14.8
50°-60°	1731.3	13.9
60°-70°	1424.3	11.4
70°-80°	985.5	7.9
80°-90°	548.0	4.4
90°-100°	361.0	2.9
100°-110°	323.7	2.6
110°-120°	268.0	2.2
120°-130°	207.2	1.7
130°-140°	146.6	1.2
140°-150°	88.5	0.7
150°-160°	42.5	0.3
160°-170°	13.9	0.1
170°-180°	1.7	0.0
0°-30°	2707.8	21.8
0°-40°	4453.6	35.8
0°-60°	8032.0	64.6
0°-90°	10989.9	88.3
90°-120°	952.7	7.7
90°-150°	1395.0	11.2
90°-180°	1453.0	11.7
0°-180°	12442.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3456	3456	3456	3456	3456	
5°	3465	3458	3428	3456	3448	329
15°	3320	3330	3328	3373	3373	936
25°	3030	3073	3109	3177	3179	1397
35°	2634	2704	2796	2885	2911	1648
45°	2165	2278	2416	2525	2555	1669
55°	1647	1794	1967	2090	2133	1474
65°	1114	1274	1472	1617	1662	1105
75°	580	748	967	1121	1183	615
85°	128	318	537	686	746	147
90°	2	179	379	522	573	8
95°	2	170	369	505	554	2
105°	2	147	345	475	518	2
115°	4	128	292	422	469	3
125°	4	109	249	360	405	4
135°	4	85	209	296	332	3
145°	4	62	145	224	251	3
155°	6	43	90	143	166	3
165°	6	28	49	66	85	2
175°	6	11	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°	3456.2	3456.2	3456.2	3456.2	3456.2
2.5°	3479.6	3469.0	3432.7	3456.2	3445.5
5°	3464.7	3458.3	3428.5	3456.2	3447.7
7.5°	3441.3	3439.1	3415.7	3447.7	3439.1
10°	3409.3	3413.6	3394.4	3428.5	3422.1
12.5°	3368.8	3375.2	3366.7	3405.0	3400.8
15°	3319.8	3330.5	3328.3	3373.1	3373.1
17.5°	3260.1	3275.1	3283.6	3334.7	3334.7
20°	3189.8	3213.3	3230.3	3285.7	3294.2
22.5°	3119.5	3147.2	3172.8	3230.3	3243.1
25°	3030.0	3072.6	3108.9	3177.0	3179.2
27.5°	2942.7	2989.5	3038.5	3104.6	3111.0
30°	2846.8	2906.4	2966.1	3030.0	3049.2
32.5°	2744.5	2810.5	2876.6	2961.8	2987.4
35°	2633.7	2704.0	2795.6	2885.1	2910.7
37.5°	2522.9	2601.7	2708.3	2799.9	2823.3
40°	2410.0	2497.3	2616.6	2710.4	2738.1
42.5°	2284.2	2390.8	2518.6	2618.8	2650.7
45°	2164.9	2277.8	2416.3	2525.0	2554.8
47.5°	2039.2	2158.5	2307.7	2422.7	2456.8
50°	1904.9	2041.3	2201.1	2316.2	2348.2
52.5°	1779.2	1917.7	2086.1	2205.4	2250.1
55°	1647.1	1794.1	1966.7	2090.3	2132.9
57.5°	1523.5	1664.2	1849.5	1973.1	2026.4
60°	1382.9	1538.4	1723.8	1858.1	1900.7
62.5°	1250.8	1408.5	1600.2	1738.7	1787.8
65°	1114.4	1274.2	1472.4	1617.3	1662.0
67.5°	986.6	1144.2	1346.7	1489.4	1547.0
70°	845.9	1012.1	1218.8	1365.9	1414.9
72.5°	707.4	880.0	1091.0	1248.7	1304.1
75°	579.6	747.9	967.4	1120.8	1182.6
77.5°	456.0	626.5	848.1	1005.7	1059.0
80°	332.4	511.4	737.3	892.8	944.0
82.5°	219.5	407.0	630.7	786.3	841.7
85°	127.8	317.5	537.0	686.1	745.8
87.5°	55.4	240.8	449.6	596.6	645.6
90°	2.1	179.0	379.3	522.1	573.2
92.5°	2.1	174.7	370.8	511.4	560.4
95°	2.1	170.5	368.6	505.0	554.0
97.5°	2.1	168.3	364.4	500.7	547.6
100°	2.1	161.9	358.0	492.2	539.1
102.5°	2.1	153.4	351.6	483.7	528.4
105°	2.1	147.0	345.2	475.2	517.8
107.5°	2.1	140.6	334.5	464.5	507.1
110°	2.1	134.2	317.5	453.9	496.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	132.1	304.7	438.9	483.7
115°	4.3	127.8	291.9	421.9	468.8
117.5°	4.3	125.7	281.3	404.9	453.9
120°	4.3	119.3	270.6	389.9	436.8
122.5°	4.3	112.9	260.0	375.0	421.9
125°	4.3	108.7	249.3	360.1	404.9
127.5°	4.3	102.3	240.8	345.2	385.7
130°	4.3	98.0	230.1	328.1	368.6
132.5°	4.3	91.6	219.5	311.1	349.5
135°	4.3	85.2	208.8	296.2	332.4
137.5°	4.3	76.7	196.0	279.1	313.2
140°	4.3	70.3	179.0	262.1	294.1
142.5°	4.3	66.1	161.9	242.9	272.7
145°	4.3	61.8	144.9	223.7	251.4
147.5°	4.3	57.5	130.0	204.6	230.1
150°	4.3	51.1	115.1	187.5	208.8
152.5°	6.4	46.9	102.3	166.2	187.5
155°	6.4	42.6	89.5	142.8	166.2
157.5°	6.4	38.4	76.7	119.3	144.9
160°	6.4	34.1	66.1	98.0	123.6
162.5°	6.4	32.0	57.5	81.0	104.4
165°	6.4	27.7	49.0	66.1	85.2
167.5°	6.4	21.3	40.5	51.1	70.3
170°	6.4	17.0	32.0	36.2	53.3
172.5°	6.4	12.8	23.4	25.6	27.7
175°	6.4	10.7	14.9	14.9	8.5
177.5°	6.4	8.5	8.5	8.5	4.3
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)