

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: P567399

Luminaire Tested: **8SNX-148HL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567399
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-148HL-FDL-UNV-L935-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

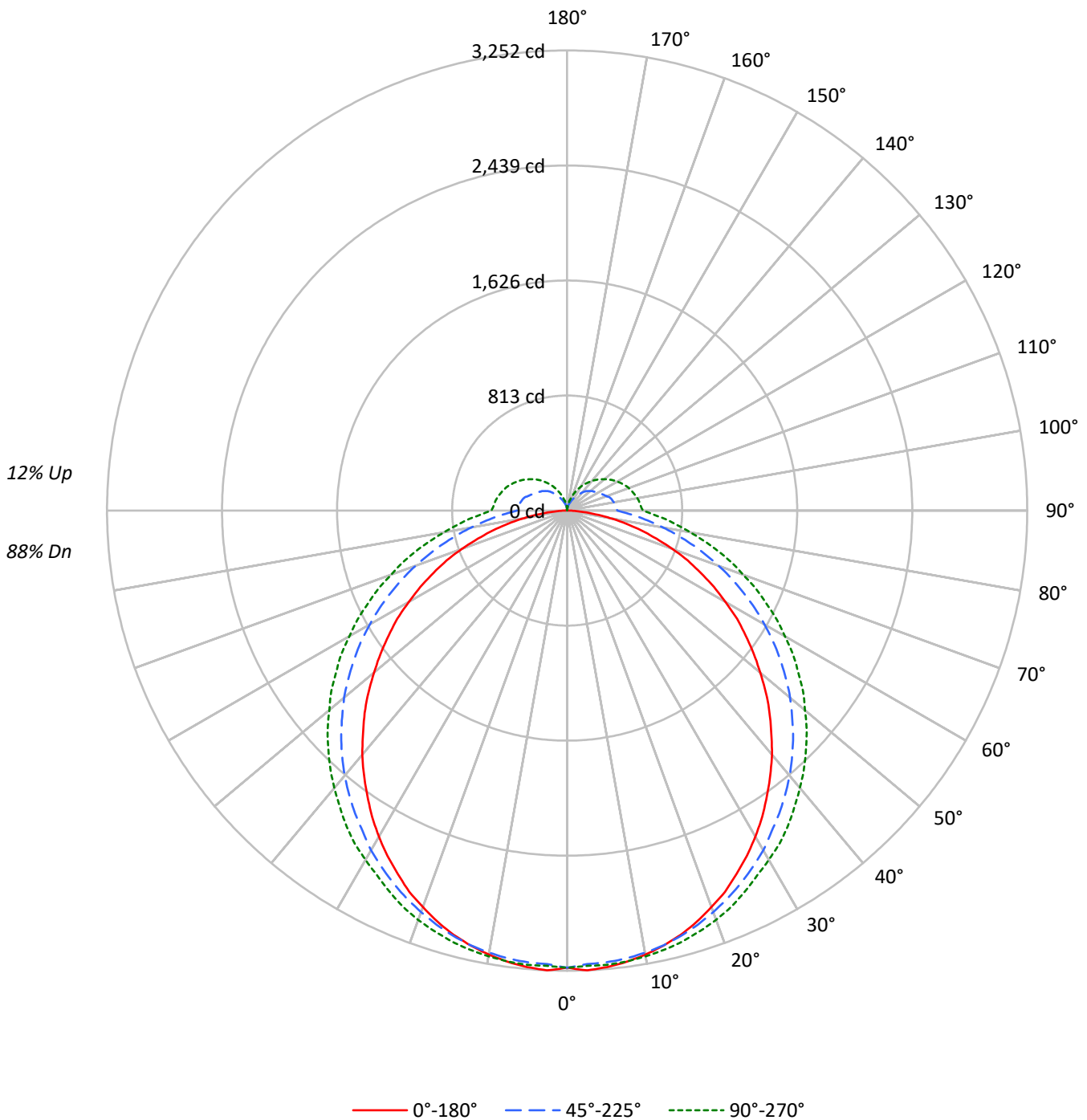
Lumens per Lamp: N/A
Luminaire Lumens: 11630.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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	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°	17386	17386	17386
5°	17487	17130	17159
10°	17398	16974	16981
15°	17265	16787	16815
20°	17043	16560	16626
25°	16777	16330	16373
30°	16486	16099	16157
35°	16114	15821	16006
40°	15756	15593	15774
45°	15322	15327	15578
50°	14816	15046	15331
55°	14339	14697	15110
60°	13788	14327	14839
65°	13118	13902	14573
70°	12267	13439	14273
75°	11049	12935	14170
80°	9353	12643	14058
85°	6965	12972	14818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.7	2.6
10°-20°	882.2	7.6
20°-30°	1342.0	11.5
30°-40°	1631.8	14.0
40°-50°	1726.4	14.8
50°-60°	1618.2	13.9
60°-70°	1331.3	11.4
70°-80°	921.1	7.9
80°-90°	512.2	4.4
90°-100°	337.4	2.9
100°-110°	302.6	2.6
110°-120°	250.5	2.2
120°-130°	193.6	1.7
130°-140°	137.1	1.2
140°-150°	82.7	0.7
150°-160°	39.7	0.3
160°-170°	13.0	0.1
170°-180°	1.6	0.0
0°-30°	2530.9	21.8
0°-40°	4162.6	35.8
0°-60°	7507.2	64.6
0°-90°	10271.8	88.3
90°-120°	890.5	7.7
90°-150°	1303.9	11.2
90°-180°	1358.0	11.7
0°-180°	11630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3230	3230	3230	3230	3230	
5°	3238	3232	3204	3230	3222	307
15°	3103	3113	3111	3153	3153	875
25°	2832	2872	2906	2970	2972	1305
35°	2462	2527	2613	2697	2720	1541
45°	2024	2129	2258	2360	2388	1560
55°	1540	1677	1838	1954	1994	1378
65°	1042	1191	1376	1512	1553	1033
75°	542	699	904	1048	1105	575
85°	120	297	502	641	697	138
90°	2	167	354	488	536	8
95°	2	159	344	472	518	2
105°	2	137	323	444	484	2
115°	4	120	273	394	438	3
125°	4	102	233	337	378	4
135°	4	80	195	277	311	3
145°	4	58	135	209	235	3
155°	6	40	84	133	155	3
165°	6	26	46	62	80	2
175°	6	10	14	14	8	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3230.4	3230.4	3230.4	3230.4	3230.4
2.5°	3252.3	3242.3	3208.5	3230.4	3220.4
5°	3238.3	3232.4	3204.5	3230.4	3222.4
7.5°	3216.4	3214.4	3192.5	3222.4	3214.4
10°	3186.5	3190.5	3172.6	3204.5	3198.5
12.5°	3148.7	3154.7	3146.7	3182.6	3178.6
15°	3102.9	3112.9	3110.9	3152.7	3152.7
17.5°	3047.1	3061.1	3069.0	3116.8	3116.8
20°	2981.4	3003.3	3019.3	3071.0	3079.0
22.5°	2915.7	2941.6	2965.5	3019.3	3031.2
25°	2832.0	2871.9	2905.7	2969.5	2971.5
27.5°	2750.4	2794.2	2840.0	2901.8	2907.7
30°	2660.8	2716.5	2772.3	2832.0	2850.0
32.5°	2565.2	2626.9	2688.7	2768.3	2792.2
35°	2461.6	2527.3	2613.0	2696.6	2720.5
37.5°	2358.0	2431.7	2531.3	2617.0	2638.9
40°	2252.5	2334.1	2445.7	2533.3	2559.2
42.5°	2135.0	2234.6	2354.1	2447.7	2477.5
45°	2023.5	2129.0	2258.5	2360.0	2387.9
47.5°	1906.0	2017.5	2156.9	2264.4	2296.3
50°	1780.5	1907.9	2057.3	2164.9	2194.7
52.5°	1663.0	1792.4	1949.8	2061.3	2103.1
55°	1539.5	1676.9	1838.2	1953.8	1993.6
57.5°	1424.0	1555.4	1728.7	1844.2	1894.0
60°	1292.5	1437.9	1611.2	1736.7	1776.5
62.5°	1169.1	1316.4	1495.7	1625.1	1670.9
65°	1041.6	1191.0	1376.2	1511.6	1553.4
67.5°	922.1	1069.5	1258.7	1392.1	1445.9
70°	790.7	946.0	1139.2	1276.6	1322.4
72.5°	661.2	822.5	1019.7	1167.1	1218.9
75°	541.7	699.0	904.2	1047.6	1105.3
77.5°	426.2	585.5	792.7	940.0	989.8
80°	310.7	478.0	689.1	834.5	882.3
82.5°	205.1	380.4	589.5	734.9	786.7
85°	119.5	296.7	501.9	641.3	697.1
87.5°	51.8	225.1	420.2	557.6	603.5
90°	2.0	167.3	354.5	487.9	535.7
92.5°	2.0	163.3	346.5	478.0	523.8
95°	2.0	159.3	344.5	472.0	517.8
97.5°	2.0	157.3	340.6	468.0	511.8
100°	2.0	151.4	334.6	460.1	503.9
102.5°	2.0	143.4	328.6	452.1	493.9
105°	2.0	137.4	322.6	444.1	484.0
107.5°	2.0	131.4	312.7	434.2	474.0
110°	2.0	125.5	296.7	424.2	464.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	123.5	284.8	410.3	452.1
115°	4.0	119.5	272.8	394.3	438.2
117.5°	4.0	117.5	262.9	378.4	424.2
120°	4.0	111.5	252.9	364.5	408.3
122.5°	4.0	105.6	243.0	350.5	394.3
125°	4.0	101.6	233.0	336.6	378.4
127.5°	4.0	95.6	225.1	322.6	360.5
130°	4.0	91.6	215.1	306.7	344.5
132.5°	4.0	85.6	205.1	290.8	326.6
135°	4.0	79.7	195.2	276.8	310.7
137.5°	4.0	71.7	183.2	260.9	292.8
140°	4.0	65.7	167.3	245.0	274.8
142.5°	4.0	61.7	151.4	227.0	254.9
145°	4.0	57.8	135.4	209.1	235.0
147.5°	4.0	53.8	121.5	191.2	215.1
150°	4.0	47.8	107.5	175.3	195.2
152.5°	6.0	43.8	95.6	155.3	175.3
155°	6.0	39.8	83.6	133.4	155.3
157.5°	6.0	35.8	71.7	111.5	135.4
160°	6.0	31.9	61.7	91.6	115.5
162.5°	6.0	29.9	53.8	75.7	97.6
165°	6.0	25.9	45.8	61.7	79.7
167.5°	6.0	19.9	37.8	47.8	65.7
170°	6.0	15.9	29.9	33.9	49.8
172.5°	6.0	11.9	21.9	23.9	25.9
175°	6.0	10.0	13.9	13.9	8.0
177.5°	6.0	8.0	8.0	8.0	4.0
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)