

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: P567423

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567423
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-LW-UNV-L935-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

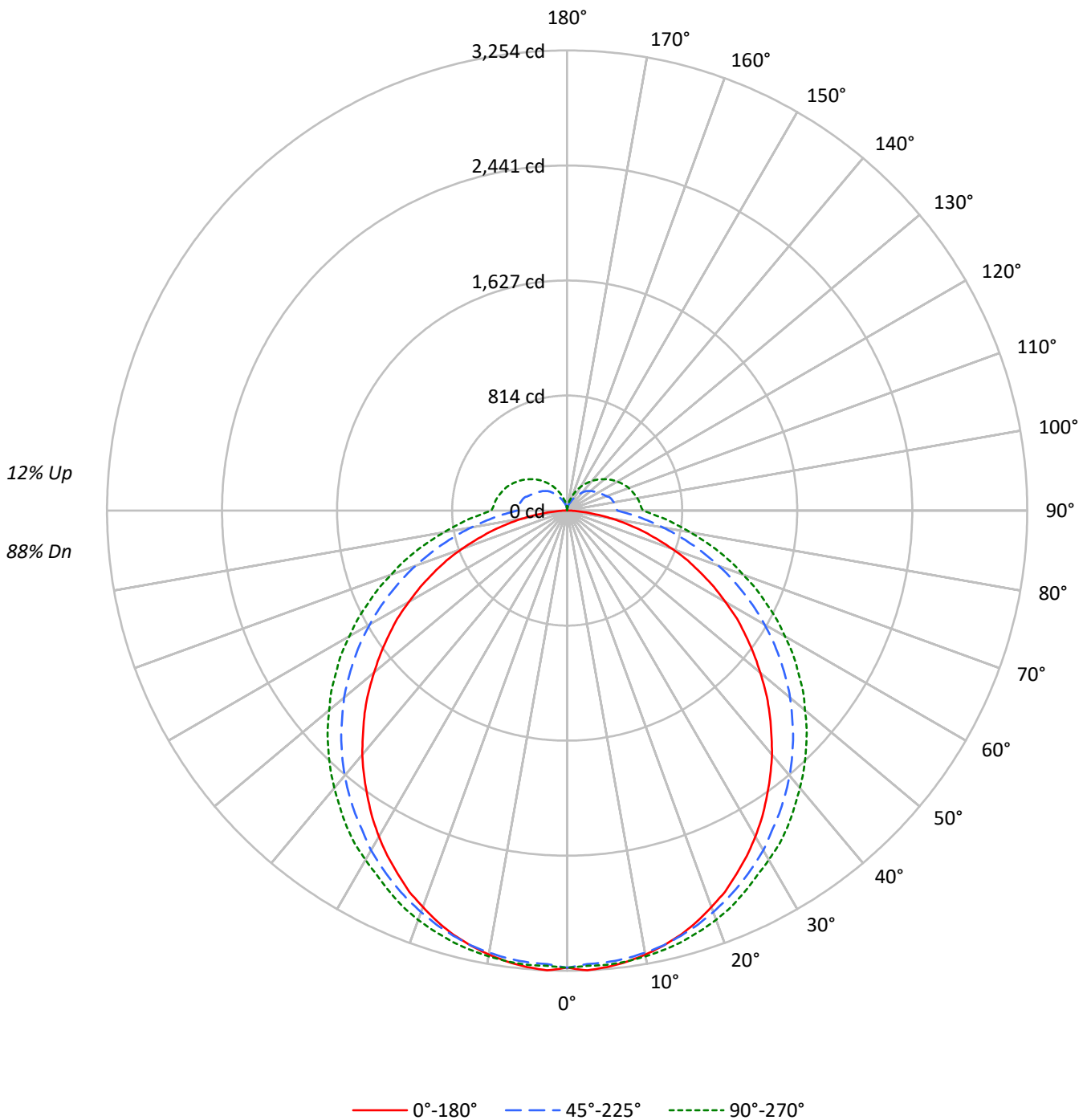
Lumens per Lamp: N/A
Luminaire Lumens: 11637.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	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°	17396	17396	17396
5°	17474	16616	16459
10°	17361	15979	15650
15°	17203	15345	14913
20°	16957	14702	14200
25°	16666	14075	13469
30°	16349	13461	12797
35°	15950	12815	12193
40°	15562	12211	11537
45°	15096	11573	10912
50°	14556	10913	10247
55°	14036	10186	9588
60°	13436	9421	8880
65°	12705	8585	8147
70°	11775	7680	7353
75°	10457	6685	6593
80°	8618	5688	5723
85°	5965	4730	4997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.9	2.6
10°-20°	882.7	7.6
20°-30°	1342.8	11.5
30°-40°	1632.7	14.0
40°-50°	1727.4	14.8
50°-60°	1619.2	13.9
60°-70°	1332.1	11.4
70°-80°	921.7	7.9
80°-90°	512.5	4.4
90°-100°	337.6	2.9
100°-110°	302.8	2.6
110°-120°	250.6	2.2
120°-130°	193.7	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°	2532.4	21.8
0°-40°	4165.1	35.8
0°-60°	7511.8	64.6
0°-90°	10278.0	88.3
90°-120°	891.0	7.7
90°-150°	1304.7	11.2
90°-180°	1359.0	11.7
0°-180°	11637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3232	3232	3232	3232	3232	
5°	3240	3234	3206	3232	3224	308
15°	3105	3115	3113	3155	3155	875
25°	2834	2874	2908	2971	2973	1306
35°	2463	2529	2614	2698	2722	1542
45°	2025	2130	2260	2362	2389	1561
55°	1540	1678	1839	1955	1995	1379
65°	1042	1192	1377	1512	1554	1033
75°	542	700	905	1048	1106	575
85°	120	297	502	642	698	138
90°	2	167	355	488	536	8
95°	2	159	345	472	518	2
105°	2	138	323	444	484	2
115°	4	120	273	395	438	3
125°	4	102	233	337	379	4
135°	4	80	195	277	311	3
145°	4	58	136	209	235	3
155°	6	40	84	134	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°	3232.3	3232.3	3232.3	3232.3	3232.3
2.5°	3254.2	3244.3	3210.4	3232.3	3222.3
5°	3240.3	3234.3	3206.4	3232.3	3224.3
7.5°	3218.4	3216.4	3194.4	3224.3	3216.4
10°	3188.5	3192.5	3174.5	3206.4	3200.4
12.5°	3150.6	3156.6	3148.6	3184.5	3180.5
15°	3104.8	3114.7	3112.7	3154.6	3154.6
17.5°	3049.0	3062.9	3070.9	3118.7	3118.7
20°	2983.2	3005.1	3021.1	3072.9	3080.9
22.5°	2917.4	2943.4	2967.3	3021.1	3033.0
25°	2833.8	2873.6	2907.5	2971.3	2973.2
27.5°	2752.0	2795.9	2841.7	2903.5	2909.5
30°	2662.4	2718.2	2774.0	2833.8	2851.7
32.5°	2566.7	2628.5	2690.3	2770.0	2793.9
35°	2463.1	2528.9	2614.5	2698.2	2722.2
37.5°	2359.5	2433.2	2532.8	2618.5	2640.4
40°	2253.8	2335.6	2447.1	2534.8	2560.7
42.5°	2136.3	2235.9	2355.5	2449.1	2479.0
45°	2024.7	2130.3	2259.8	2361.5	2389.4
47.5°	1907.1	2018.7	2158.2	2265.8	2297.7
50°	1781.6	1909.1	2058.6	2166.2	2196.1
52.5°	1664.0	1793.5	1950.9	2062.5	2104.4
55°	1540.4	1677.9	1839.3	1954.9	1994.8
57.5°	1424.8	1556.4	1729.7	1845.3	1895.1
60°	1293.3	1438.8	1612.2	1737.7	1777.6
62.5°	1169.8	1317.2	1496.6	1626.1	1672.0
65°	1042.2	1191.7	1377.0	1512.5	1554.4
67.5°	922.7	1070.1	1259.4	1393.0	1446.8
70°	791.1	946.6	1139.9	1277.4	1323.2
72.5°	661.6	823.0	1020.3	1167.8	1219.6
75°	542.0	699.5	904.7	1048.2	1106.0
77.5°	426.5	585.9	793.1	940.6	990.4
80°	310.9	478.3	689.5	835.0	882.8
82.5°	205.3	380.6	589.9	735.3	787.2
85°	119.6	296.9	502.2	641.7	697.5
87.5°	51.8	225.2	420.5	558.0	603.8
90°	2.0	167.4	354.7	488.2	536.1
92.5°	2.0	163.4	346.7	478.3	524.1
95°	2.0	159.4	344.8	472.3	518.1
97.5°	2.0	157.4	340.8	468.3	512.1
100°	2.0	151.5	334.8	460.3	504.2
102.5°	2.0	143.5	328.8	452.4	494.2
105°	2.0	137.5	322.8	444.4	484.2
107.5°	2.0	131.5	312.9	434.4	474.3
110°	2.0	125.5	296.9	424.5	464.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	123.6	285.0	410.5	452.4
115°	4.0	119.6	273.0	394.6	438.4
117.5°	4.0	117.6	263.0	378.6	424.5
120°	4.0	111.6	253.1	364.7	408.5
122.5°	4.0	105.6	243.1	350.7	394.6
125°	4.0	101.6	233.2	336.8	378.6
127.5°	4.0	95.7	225.2	322.8	360.7
130°	4.0	91.7	215.2	306.9	344.8
132.5°	4.0	85.7	205.3	290.9	326.8
135°	4.0	79.7	195.3	277.0	310.9
137.5°	4.0	71.7	183.3	261.1	292.9
140°	4.0	65.8	167.4	245.1	275.0
142.5°	4.0	61.8	151.5	227.2	255.1
145°	4.0	57.8	135.5	209.2	235.1
147.5°	4.0	53.8	121.6	191.3	215.2
150°	4.0	47.8	107.6	175.4	195.3
152.5°	6.0	43.8	95.7	155.4	175.4
155°	6.0	39.9	83.7	133.5	155.4
157.5°	6.0	35.9	71.7	111.6	135.5
160°	6.0	31.9	61.8	91.7	115.6
162.5°	6.0	29.9	53.8	75.7	97.6
165°	6.0	25.9	45.8	61.8	79.7
167.5°	6.0	19.9	37.9	47.8	65.8
170°	6.0	15.9	29.9	33.9	49.8
172.5°	6.0	12.0	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)