

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: P567425

Luminaire Tested: **8SNX-148HL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567425
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-L950-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

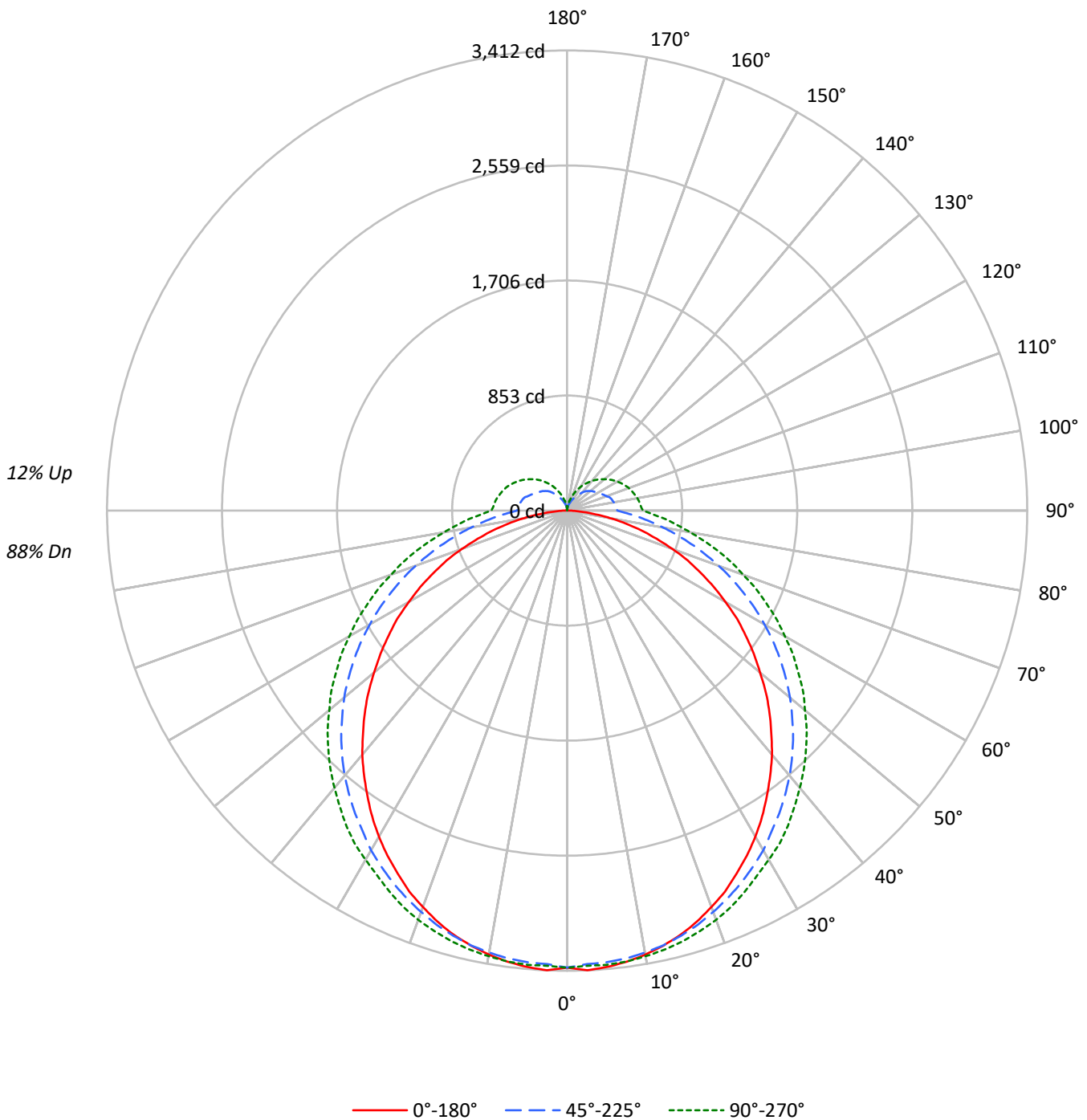
Lumens per Lamp: N/A
Luminaire Lumens: 12200.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

TEST NUMBER: P567425

CATALOG NUMBER: 8SNX-148HL-LW-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567425

CATALOG NUMBER: 8SNX-148HL-LW-UNV-L950-CD

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°	18238	18238	18238
5°	18319	17420	17256
10°	18201	16752	16408
15°	18036	16087	15634
20°	17778	15413	14887
25°	17472	14756	14121
30°	17140	14112	13416
35°	16722	13435	12783
40°	16316	12802	12095
45°	15826	12134	11440
50°	15259	11441	10742
55°	14716	10679	10052
60°	14086	9877	9310
65°	13320	9001	8541
70°	12345	8051	7709
75°	10965	7008	6912
80°	9033	5963	6000
85°	6254	4959	5238



TEST NUMBER: P567425

CATALOG NUMBER: 8SNX-148HL-LW-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.7	2.6
10°-20°	925.4	7.6
20°-30°	1407.8	11.5
30°-40°	1711.7	14.0
40°-50°	1811.0	14.8
50°-60°	1697.5	13.9
60°-70°	1396.5	11.4
70°-80°	966.3	7.9
80°-90°	537.3	4.4
90°-100°	354.0	2.9
100°-110°	317.4	2.6
110°-120°	262.7	2.2
120°-130°	203.1	1.7
130°-140°	143.8	1.2
140°-150°	86.7	0.7
150°-160°	41.7	0.3
160°-170°	13.6	0.1
170°-180°	1.7	0.0
0°-30°	2654.9	21.8
0°-40°	4366.6	35.8
0°-60°	7875.2	64.6
0°-90°	10775.3	88.3
90°-120°	934.1	7.7
90°-150°	1367.8	11.2
90°-180°	1425.0	11.7
0°-180°	12200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3389	3389	3389	3389	3389	
5°	3397	3391	3362	3389	3380	322
15°	3255	3265	3263	3307	3307	917
25°	2971	3013	3048	3115	3117	1369
35°	2582	2651	2741	2829	2854	1616
45°	2123	2233	2369	2476	2505	1636
55°	1615	1759	1928	2050	2091	1446
65°	1093	1249	1444	1586	1630	1083
75°	568	733	948	1099	1160	603
85°	125	311	526	673	731	144
90°	2	176	372	512	562	8
95°	2	167	361	495	543	2
105°	2	144	338	466	508	2
115°	4	125	286	414	460	3
125°	4	106	244	353	397	4
135°	4	84	205	290	326	3
145°	4	61	142	219	246	3
155°	6	42	88	140	163	3
165°	6	27	48	65	84	2
175°	6	10	15	15	8	1
180°	4	4	4	4	4	



TEST NUMBER: P567425

CATALOG NUMBER: 8SNX-148HL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3388.7	3388.7	3388.7	3388.7	3388.7
2.5°	3411.7	3401.2	3365.7	3388.7	3378.2
5°	3397.0	3390.8	3361.5	3388.7	3380.3
7.5°	3374.1	3372.0	3349.0	3380.3	3372.0
10°	3342.7	3346.9	3328.1	3361.5	3355.3
12.5°	3303.0	3309.3	3300.9	3338.5	3334.4
15°	3255.0	3265.4	3263.3	3307.2	3307.2
17.5°	3196.5	3211.1	3219.5	3269.6	3269.6
20°	3127.5	3150.5	3167.2	3221.6	3229.9
22.5°	3058.6	3085.8	3110.8	3167.2	3179.8
25°	2970.8	3012.6	3048.1	3115.0	3117.1
27.5°	2885.2	2931.2	2979.2	3044.0	3050.2
30°	2791.2	2849.7	2908.2	2970.8	2989.7
32.5°	2690.9	2755.7	2820.4	2904.0	2929.1
35°	2582.3	2651.2	2741.0	2828.8	2853.9
37.5°	2473.6	2550.9	2655.4	2745.2	2768.2
40°	2362.9	2448.5	2565.5	2657.5	2684.6
42.5°	2239.6	2344.1	2469.4	2567.6	2599.0
45°	2122.6	2233.4	2369.2	2475.7	2505.0
47.5°	1999.4	2116.4	2262.6	2375.4	2408.9
50°	1867.7	2001.5	2158.1	2271.0	2302.3
52.5°	1744.5	1880.3	2045.3	2162.3	2206.2
55°	1615.0	1759.1	1928.3	2049.5	2091.3
57.5°	1493.8	1631.7	1813.4	1934.6	1986.8
60°	1355.9	1508.4	1690.2	1821.8	1863.6
62.5°	1226.4	1381.0	1569.0	1704.8	1752.8
65°	1092.7	1249.3	1443.6	1585.7	1629.6
67.5°	967.3	1121.9	1320.4	1460.4	1516.8
70°	829.4	992.4	1195.0	1339.2	1387.2
72.5°	693.6	862.8	1069.7	1224.3	1278.6
75°	568.3	733.3	948.5	1098.9	1159.5
77.5°	447.1	614.2	831.5	986.1	1038.3
80°	325.9	501.4	722.9	875.4	925.5
82.5°	215.2	399.0	618.4	770.9	825.2
85°	125.4	311.3	526.5	672.7	731.2
87.5°	54.3	236.1	440.8	585.0	633.0
90°	2.1	175.5	371.9	511.9	562.0
92.5°	2.1	171.3	363.5	501.4	549.5
95°	2.1	167.1	361.4	495.1	543.2
97.5°	2.1	165.0	357.3	491.0	536.9
100°	2.1	158.8	351.0	482.6	528.6
102.5°	2.1	150.4	344.7	474.2	518.1
105°	2.1	144.2	338.5	465.9	507.7
107.5°	2.1	137.9	328.0	455.4	497.2
110°	2.1	131.6	311.3	445.0	486.8



TEST NUMBER: P567425

CATALOG NUMBER: 8SNX-148HL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	129.5	298.8	430.4	474.2
115°	4.2	125.4	286.2	413.7	459.6
117.5°	4.2	123.3	275.8	396.9	445.0
120°	4.2	117.0	265.3	382.3	428.3
122.5°	4.2	110.7	254.9	367.7	413.7
125°	4.2	106.5	244.4	353.1	396.9
127.5°	4.2	100.3	236.1	338.5	378.1
130°	4.2	96.1	225.6	321.7	361.4
132.5°	4.2	89.8	215.2	305.0	342.6
135°	4.2	83.6	204.7	290.4	325.9
137.5°	4.2	75.2	192.2	273.7	307.1
140°	4.2	68.9	175.5	257.0	288.3
142.5°	4.2	64.8	158.8	238.2	267.4
145°	4.2	60.6	142.1	219.4	246.5
147.5°	4.2	56.4	127.4	200.6	225.6
150°	4.2	50.1	112.8	183.8	204.7
152.5°	6.3	46.0	100.3	163.0	183.8
155°	6.3	41.8	87.7	140.0	163.0
157.5°	6.3	37.6	75.2	117.0	142.1
160°	6.3	33.4	64.8	96.1	121.2
162.5°	6.3	31.3	56.4	79.4	102.4
165°	6.3	27.2	48.1	64.8	83.6
167.5°	6.3	20.9	39.7	50.1	68.9
170°	6.3	16.7	31.3	35.5	52.2
172.5°	6.3	12.5	23.0	25.1	27.2
175°	6.3	10.4	14.6	14.6	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)