

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: P567401

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567401
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-L950-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

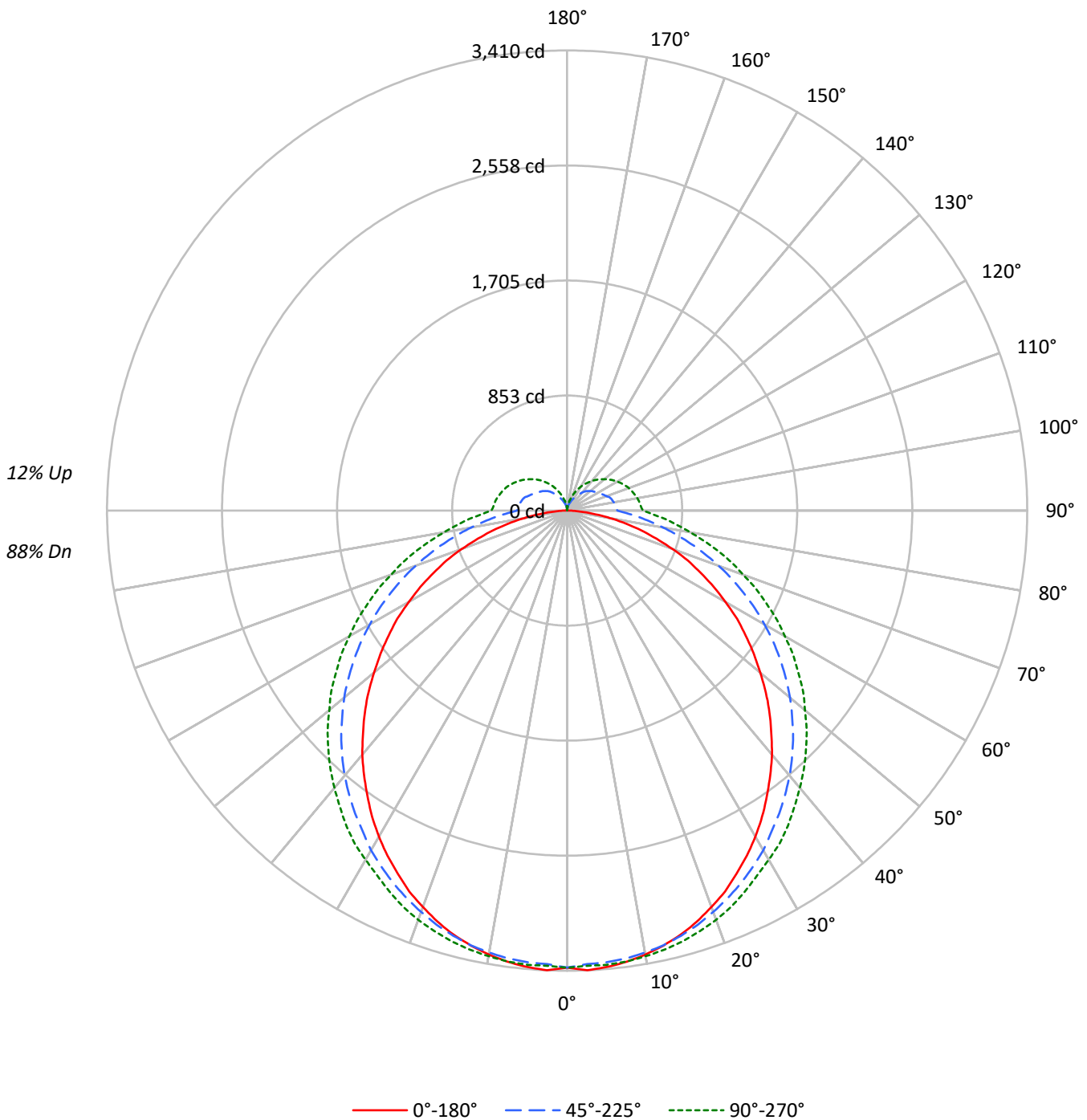
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12193.0 lumens
Efficiency: N/A
Efficacy: 117.7 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

TEST NUMBER: P567401
CATALOG NUMBER: 8SNX-148HL-FDL-UNV-L950-CD

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°	18227	18227	18227
5°	18334	17959	17990
10°	18241	17796	17803
15°	18100	17599	17629
20°	17868	17361	17431
25°	17589	17120	17166
30°	17284	16878	16939
35°	16895	16587	16781
40°	16519	16347	16538
45°	16063	16069	16333
50°	15533	15775	16073
55°	15033	15409	15841
60°	14456	15021	15557
65°	13753	14575	15279
70°	12859	14089	14964
75°	11584	13562	14856
80°	9805	13254	14738
85°	7303	13600	15534



TEST NUMBER: P567401

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	2.6
10°-20°	924.9	7.6
20°-30°	1407.0	11.5
30°-40°	1710.8	14.0
40°-50°	1809.9	14.8
50°-60°	1696.6	13.9
60°-70°	1395.7	11.4
70°-80°	965.7	7.9
80°-90°	537.0	4.4
90°-100°	353.8	2.9
100°-110°	317.2	2.6
110°-120°	262.6	2.2
120°-130°	203.0	1.7
130°-140°	143.7	1.2
140°-150°	86.7	0.7
150°-160°	41.6	0.3
160°-170°	13.6	0.1
170°-180°	1.7	0.0
0°-30°	2653.4	21.8
0°-40°	4364.1	35.8
0°-60°	7870.6	64.6
0°-90°	10769.1	88.3
90°-120°	933.6	7.7
90°-150°	1367.0	11.2
90°-180°	1424.0	11.7
0°-180°	12193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3387	3387	3387	3387	3387	
5°	3395	3389	3360	3387	3378	322
15°	3253	3264	3262	3305	3305	917
25°	2969	3011	3046	3113	3115	1369
35°	2581	2650	2740	2827	2852	1615
45°	2121	2232	2368	2474	2504	1635
55°	1614	1758	1927	2048	2090	1445
65°	1092	1249	1443	1585	1629	1083
75°	568	733	948	1098	1159	602
85°	125	311	526	672	731	144
90°	2	175	372	512	562	8
95°	2	167	361	495	543	2
105°	2	144	338	466	507	2
115°	4	125	286	413	459	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: P567401

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3386.7	3386.7	3386.7	3386.7	3386.7
2.5°	3409.7	3399.3	3363.8	3386.7	3376.3
5°	3395.1	3388.8	3359.6	3386.7	3378.4
7.5°	3372.1	3370.0	3347.1	3378.4	3370.0
10°	3340.8	3345.0	3326.2	3359.6	3353.3
12.5°	3301.1	3307.4	3299.0	3336.6	3332.5
15°	3253.1	3263.6	3261.5	3305.3	3305.3
17.5°	3194.6	3209.3	3217.6	3267.7	3267.7
20°	3125.7	3148.7	3165.4	3219.7	3228.1
22.5°	3056.8	3084.0	3109.0	3165.4	3177.9
25°	2969.1	3010.9	3046.4	3113.2	3115.3
27.5°	2883.5	2929.5	2977.5	3042.2	3048.5
30°	2789.6	2848.0	2906.5	2969.1	2987.9
32.5°	2689.4	2754.1	2818.8	2902.3	2927.4
35°	2580.8	2649.7	2739.5	2827.2	2852.2
37.5°	2472.2	2549.5	2653.9	2743.6	2766.6
40°	2361.5	2447.1	2564.1	2655.9	2683.1
42.5°	2238.3	2342.7	2468.0	2566.2	2597.5
45°	2121.4	2232.1	2367.8	2474.3	2503.5
47.5°	1998.2	2115.1	2261.3	2374.1	2407.5
50°	1866.7	2000.3	2156.9	2269.7	2301.0
52.5°	1743.5	1879.2	2044.2	2161.1	2204.9
55°	1614.0	1758.1	1927.2	2048.3	2090.1
57.5°	1492.9	1630.7	1812.4	1933.5	1985.7
60°	1355.1	1507.5	1689.2	1820.7	1862.5
62.5°	1225.7	1380.2	1568.1	1703.8	1751.8
65°	1092.0	1248.6	1442.8	1584.8	1628.6
67.5°	966.7	1121.3	1319.6	1459.5	1515.9
70°	828.9	991.8	1194.3	1338.4	1386.4
72.5°	693.2	862.3	1069.1	1223.6	1277.9
75°	567.9	732.9	948.0	1098.3	1158.8
77.5°	446.8	613.9	831.0	985.5	1037.7
80°	325.7	501.1	722.4	874.9	925.0
82.5°	215.1	398.8	618.0	770.5	824.8
85°	125.3	311.1	526.2	672.3	730.8
87.5°	54.3	235.9	440.6	584.6	632.7
90°	2.1	175.4	371.7	511.6	561.7
92.5°	2.1	171.2	363.3	501.1	549.1
95°	2.1	167.0	361.2	494.9	542.9
97.5°	2.1	165.0	357.0	490.7	536.6
100°	2.1	158.7	350.8	482.3	528.3
102.5°	2.1	150.3	344.5	474.0	517.8
105°	2.1	144.1	338.3	465.6	507.4
107.5°	2.1	137.8	327.8	455.2	496.9
110°	2.1	131.5	311.1	444.7	486.5



TEST NUMBER: P567401

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	129.5	298.6	430.1	474.0
115°	4.2	125.3	286.1	413.4	459.4
117.5°	4.2	123.2	275.6	396.7	444.7
120°	4.2	116.9	265.2	382.1	428.0
122.5°	4.2	110.7	254.7	367.5	413.4
125°	4.2	106.5	244.3	352.9	396.7
127.5°	4.2	100.2	235.9	338.3	377.9
130°	4.2	96.0	225.5	321.6	361.2
132.5°	4.2	89.8	215.1	304.8	342.4
135°	4.2	83.5	204.6	290.2	325.7
137.5°	4.2	75.2	192.1	273.5	306.9
140°	4.2	68.9	175.4	256.8	288.1
142.5°	4.2	64.7	158.7	238.0	267.3
145°	4.2	60.6	142.0	219.2	246.4
147.5°	4.2	56.4	127.4	200.4	225.5
150°	4.2	50.1	112.8	183.7	204.6
152.5°	6.3	45.9	100.2	162.9	183.7
155°	6.3	41.8	87.7	139.9	162.9
157.5°	6.3	37.6	75.2	116.9	142.0
160°	6.3	33.4	64.7	96.0	121.1
162.5°	6.3	31.3	56.4	79.3	102.3
165°	6.3	27.1	48.0	64.7	83.5
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	27.1
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)