

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: P567431

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567431
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-SLW-UNV-L935-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

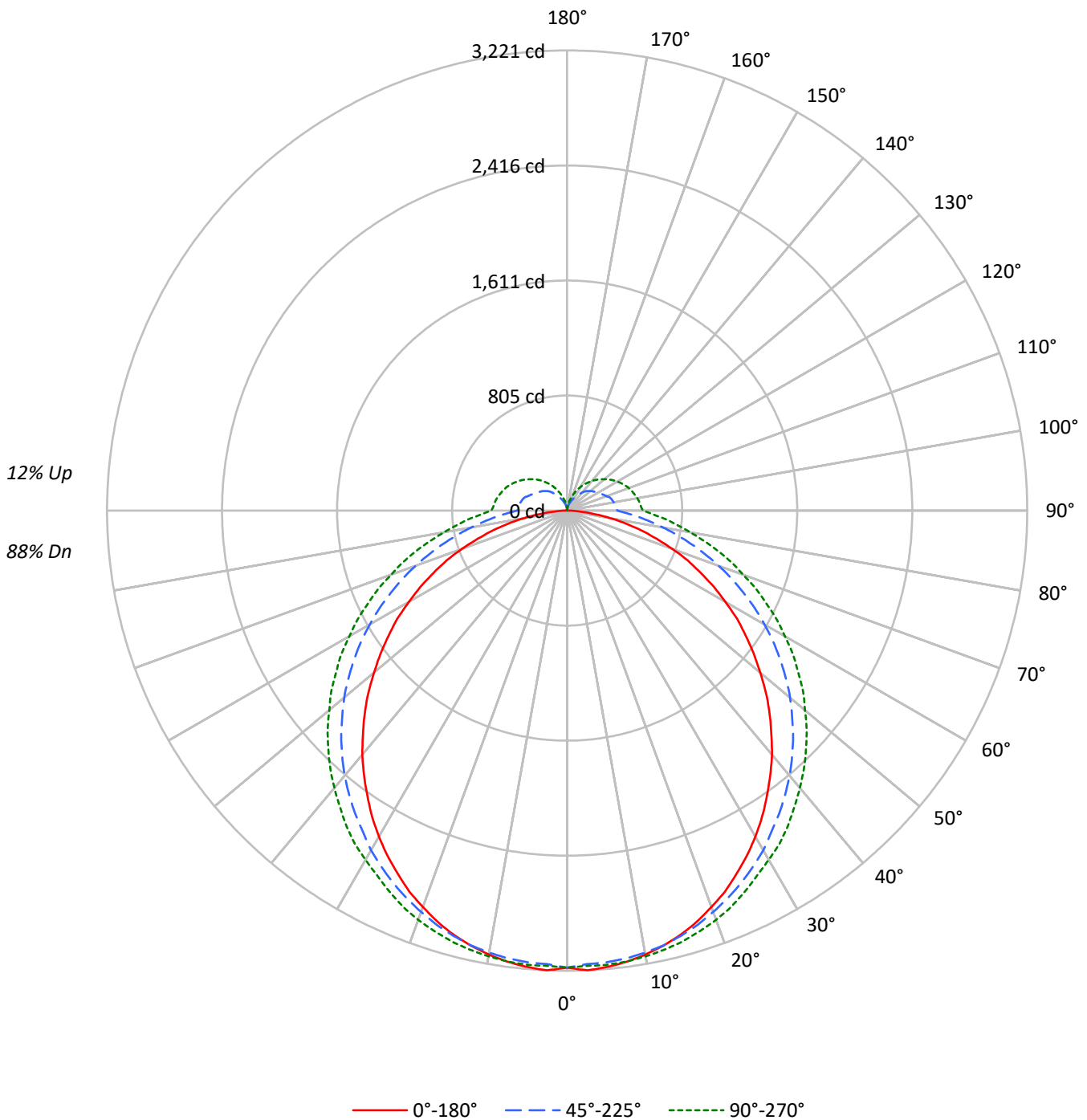
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11518.0 lumens
Efficiency: N/A
Efficacy: 111.2 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: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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

TEST NUMBER: P567431
CATALOG NUMBER: 8SNX-148HL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567431

CATALOG NUMBER: 8SNX-148HL-SLW-UNV-L935-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°	17218	17218	17218
5°	17311	16790	16755
10°	17215	16469	16354
15°	17075	16120	15976
20°	16848	15739	15582
25°	16576	15356	15133
30°	16278	14970	14719
35°	15902	14538	14363
40°	15538	14144	13927
45°	15096	13706	13513
50°	14584	13240	13040
55°	14098	12693	12567
60°	13536	12102	12024
65°	12851	11425	11444
70°	11980	10662	10778
75°	10740	9783	10167
80°	9007	8914	9394
85°	6531	8147	8890



TEST NUMBER: P567431

CATALOG NUMBER: 8SNX-148HL-SLW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	2.6
10°-20°	873.7	7.6
20°-30°	1329.1	11.5
30°-40°	1616.1	14.0
40°-50°	1709.7	14.8
50°-60°	1602.7	13.9
60°-70°	1318.5	11.4
70°-80°	912.3	7.9
80°-90°	507.3	4.4
90°-100°	334.2	2.9
100°-110°	299.7	2.6
110°-120°	248.0	2.2
120°-130°	191.7	1.7
130°-140°	135.7	1.2
140°-150°	81.9	0.7
150°-160°	39.3	0.3
160°-170°	12.9	0.1
170°-180°	1.6	0.0
0°-30°	2506.5	21.8
0°-40°	4122.6	35.8
0°-60°	7435.0	64.6
0°-90°	10172.9	88.3
90°-120°	881.9	7.7
90°-150°	1291.3	11.2
90°-180°	1345.0	11.7
0°-180°	11518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3199	3199	3199	3199	3199	
5°	3207	3201	3174	3199	3191	304
15°	3073	3083	3081	3122	3122	866
25°	2805	2844	2878	2941	2943	1293
35°	2438	2503	2588	2671	2694	1526
45°	2004	2108	2237	2337	2365	1545
55°	1525	1661	1820	1935	1974	1365
65°	1032	1180	1363	1497	1538	1023
75°	536	692	896	1038	1095	569
85°	118	294	497	635	690	136
90°	2	166	351	483	531	8
95°	2	158	341	468	513	2
105°	2	136	320	440	479	2
115°	4	118	270	390	434	3
125°	4	101	231	333	375	3
135°	4	79	193	274	308	3
145°	4	57	134	207	233	2
155°	6	39	83	132	154	3
165°	6	26	45	61	79	2
175°	6	10	14	14	8	1
180°	4	4	4	4	4	



TEST NUMBER: P567431

CATALOG NUMBER: 8SNX-148HL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3199.3	3199.3	3199.3	3199.3	3199.3
2.5°	3221.0	3211.1	3177.6	3199.3	3189.4
5°	3207.1	3201.2	3173.6	3199.3	3191.4
7.5°	3185.4	3183.5	3161.8	3191.4	3183.5
10°	3155.9	3159.8	3142.1	3173.6	3167.7
12.5°	3118.4	3124.3	3116.4	3151.9	3148.0
15°	3073.0	3082.9	3080.9	3122.3	3122.3
17.5°	3017.8	3031.6	3039.5	3086.8	3086.8
20°	2952.7	2974.4	2990.2	3041.5	3049.4
22.5°	2887.6	2913.3	2936.9	2990.2	3002.0
25°	2804.8	2844.2	2877.8	2940.9	2942.8
27.5°	2723.9	2767.3	2812.7	2873.8	2879.7
30°	2635.1	2690.4	2745.6	2804.8	2822.5
32.5°	2540.5	2601.6	2662.8	2741.7	2765.3
35°	2437.9	2503.0	2587.8	2670.6	2694.3
37.5°	2335.3	2408.3	2506.9	2591.8	2613.4
40°	2230.8	2311.7	2422.1	2508.9	2534.6
42.5°	2114.4	2213.0	2331.4	2424.1	2453.7
45°	2004.0	2108.5	2236.7	2337.3	2364.9
47.5°	1887.6	1998.1	2136.1	2242.6	2274.2
50°	1763.3	1889.6	2037.5	2144.0	2173.6
52.5°	1647.0	1775.2	1931.0	2041.4	2082.9
55°	1524.7	1660.8	1820.5	1934.9	1974.4
57.5°	1410.3	1540.5	1712.1	1826.5	1875.8
60°	1280.1	1424.1	1595.7	1719.9	1759.4
62.5°	1157.8	1303.8	1481.3	1609.5	1654.9
65°	1031.6	1179.5	1362.9	1497.1	1538.5
67.5°	913.2	1059.2	1246.6	1378.7	1432.0
70°	783.0	936.9	1128.2	1264.3	1309.7
72.5°	654.8	814.6	1009.9	1155.8	1207.1
75°	536.5	692.3	895.5	1037.5	1094.7
77.5°	422.1	579.9	785.0	931.0	980.3
80°	307.7	473.4	682.5	826.4	873.8
82.5°	203.2	376.7	583.8	727.8	779.1
85°	118.3	293.9	497.0	635.1	690.3
87.5°	51.3	222.9	416.2	552.3	597.6
90°	2.0	165.7	351.1	483.2	530.6
92.5°	2.0	161.7	343.2	473.4	518.7
95°	2.0	157.8	341.2	467.5	512.8
97.5°	2.0	155.8	337.3	463.5	506.9
100°	2.0	149.9	331.4	455.6	499.0
102.5°	2.0	142.0	325.4	447.7	489.2
105°	2.0	136.1	319.5	439.8	479.3
107.5°	2.0	130.2	309.7	430.0	469.4
110°	2.0	124.3	293.9	420.1	459.6



TEST NUMBER: P567431

CATALOG NUMBER: 8SNX-148HL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	122.3	282.1	406.3	447.7
115°	3.9	118.3	270.2	390.5	433.9
117.5°	3.9	116.4	260.4	374.8	420.1
120°	3.9	110.5	250.5	361.0	404.3
122.5°	3.9	104.5	240.6	347.1	390.5
125°	3.9	100.6	230.8	333.3	374.8
127.5°	3.9	94.7	222.9	319.5	357.0
130°	3.9	90.7	213.0	303.8	341.2
132.5°	3.9	84.8	203.2	288.0	323.5
135°	3.9	78.9	193.3	274.2	307.7
137.5°	3.9	71.0	181.5	258.4	289.9
140°	3.9	65.1	165.7	242.6	272.2
142.5°	3.9	61.1	149.9	224.9	252.5
145°	3.9	57.2	134.1	207.1	232.7
147.5°	3.9	53.3	120.3	189.4	213.0
150°	3.9	47.3	106.5	173.6	193.3
152.5°	5.9	43.4	94.7	153.8	173.6
155°	5.9	39.4	82.8	132.2	153.8
157.5°	5.9	35.5	71.0	110.5	134.1
160°	5.9	31.6	61.1	90.7	114.4
162.5°	5.9	29.6	53.3	75.0	96.6
165°	5.9	25.6	45.4	61.1	78.9
167.5°	5.9	19.7	37.5	47.3	65.1
170°	5.9	15.8	29.6	33.5	49.3
172.5°	5.9	11.8	21.7	23.7	25.6
175°	5.9	9.9	13.8	13.8	7.9
177.5°	5.9	7.9	7.9	7.9	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)