

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: P567433

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567433
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-L950-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

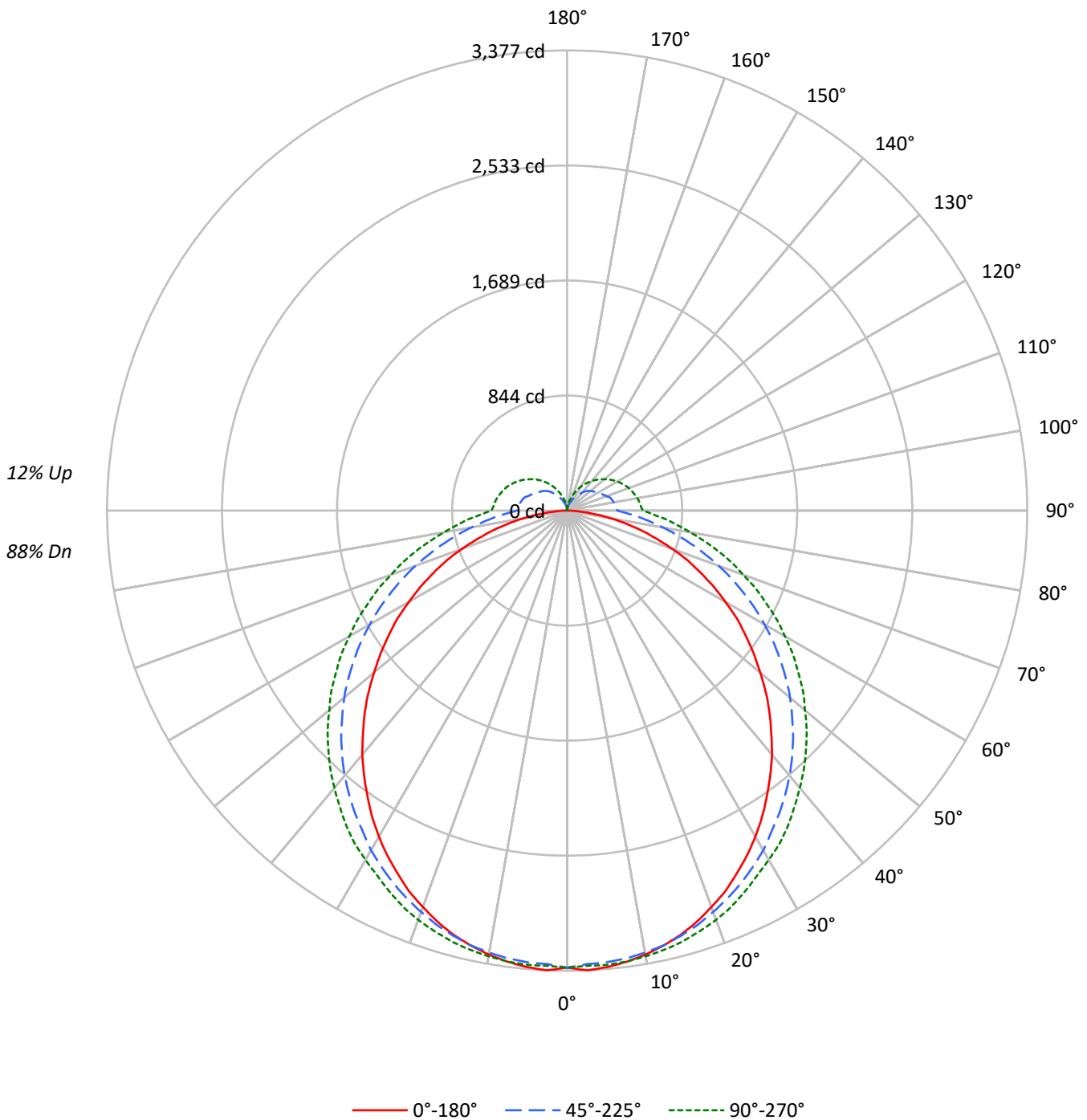
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12076.0 lumens
Efficiency: N/A
Efficacy: 116.6 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 (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: P567433
CATALOG NUMBER: 8SNX-148HL-SLW-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°	18052	18052	18052
5°	18149	17603	17567
10°	18050	17266	17147
15°	17902	16902	16750
20°	17663	16501	16337
25°	17379	16100	15866
30°	17067	15695	15433
35°	16672	15242	15059
40°	16290	14829	14602
45°	15828	14370	14168
50°	15291	13881	13672
55°	14780	13308	13176
60°	14191	12688	12606
65°	13473	11979	11999
70°	12561	11178	11300
75°	11261	10257	10659
80°	9443	9345	9849
85°	6851	8542	9322



TEST NUMBER: P567433

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	2.6
10°-20°	916.0	7.6
20°-30°	1393.5	11.5
30°-40°	1694.4	14.0
40°-50°	1792.6	14.8
50°-60°	1680.3	13.9
60°-70°	1382.3	11.4
70°-80°	956.5	7.9
80°-90°	531.8	4.4
90°-100°	350.4	2.9
100°-110°	314.2	2.6
110°-120°	260.1	2.2
120°-130°	201.1	1.7
130°-140°	142.3	1.2
140°-150°	85.8	0.7
150°-160°	41.2	0.3
160°-170°	13.5	0.1
170°-180°	1.6	0.0
0°-30°	2627.9	21.8
0°-40°	4322.3	35.8
0°-60°	7795.1	64.6
0°-90°	10665.8	88.3
90°-120°	924.7	7.7
90°-150°	1353.9	11.2
90°-180°	1410.0	11.7
0°-180°	12076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3354	3354	3354	3354	3354	
5°	3362	3356	3327	3354	3346	319
15°	3222	3232	3230	3274	3274	908
25°	2941	2982	3017	3083	3085	1355
35°	2556	2624	2713	2800	2825	1600
45°	2101	2211	2345	2450	2480	1619
55°	1598	1741	1909	2029	2070	1431
65°	1082	1237	1429	1570	1613	1072
75°	562	726	939	1088	1148	597
85°	124	308	521	666	724	143
90°	2	174	368	507	556	8
95°	2	165	358	490	538	2
105°	2	143	335	461	502	2
115°	4	124	283	410	455	3
125°	4	106	242	350	393	4
135°	4	83	203	287	323	3
145°	4	60	141	217	244	3
155°	6	41	87	139	161	3
165°	6	27	48	64	83	2
175°	6	10	14	14	8	1
180°	4	4	4	4	4	



TEST NUMBER: P567433

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3354.2	3354.2	3354.2	3354.2	3354.2
2.5°	3377.0	3366.7	3331.5	3354.2	3343.9
5°	3362.5	3356.3	3327.4	3354.2	3346.0
7.5°	3339.8	3337.7	3315.0	3346.0	3337.7
10°	3308.8	3312.9	3294.3	3327.4	3321.2
12.5°	3269.5	3275.7	3267.4	3304.6	3300.5
15°	3221.9	3232.2	3230.2	3273.6	3273.6
17.5°	3164.0	3178.5	3186.7	3236.4	3236.4
20°	3095.7	3118.5	3135.0	3188.8	3197.1
22.5°	3027.5	3054.4	3079.2	3135.0	3147.4
25°	2940.7	2982.0	3017.2	3083.3	3085.4
27.5°	2855.9	2901.4	2948.9	3013.0	3019.2
30°	2762.8	2820.7	2878.6	2940.7	2959.3
32.5°	2663.5	2727.7	2791.8	2874.5	2899.3
35°	2556.0	2624.3	2713.2	2800.0	2824.8
37.5°	2448.5	2525.0	2628.4	2717.3	2740.1
40°	2338.9	2423.7	2539.5	2630.5	2657.3
42.5°	2216.9	2320.3	2444.3	2541.5	2572.6
45°	2101.1	2210.7	2345.1	2450.5	2479.5
47.5°	1979.0	2094.9	2239.6	2351.3	2384.4
50°	1848.8	1981.1	2136.2	2247.9	2278.9
52.5°	1726.8	1861.2	2024.5	2140.3	2183.8
55°	1598.5	1741.2	1908.7	2028.7	2070.0
57.5°	1478.6	1615.1	1795.0	1914.9	1966.6
60°	1342.1	1493.1	1673.0	1803.3	1844.6
62.5°	1213.9	1366.9	1553.0	1687.5	1735.0
65°	1081.5	1236.6	1429.0	1569.6	1613.0
67.5°	957.5	1110.5	1307.0	1445.5	1501.3
70°	821.0	982.3	1182.9	1325.6	1373.1
72.5°	686.6	854.1	1058.8	1211.8	1265.6
75°	562.5	725.9	938.9	1087.8	1147.7
77.5°	442.5	608.0	823.1	976.1	1027.8
80°	322.6	496.3	715.5	866.5	916.1
82.5°	213.0	395.0	612.1	763.1	816.8
85°	124.1	308.1	521.1	665.9	723.8
87.5°	53.8	233.7	436.3	579.0	626.6
90°	2.1	173.7	368.1	506.7	556.3
92.5°	2.1	169.6	359.8	496.3	543.9
95°	2.1	165.4	357.8	490.1	537.7
97.5°	2.1	163.4	353.6	486.0	531.5
100°	2.1	157.2	347.4	477.7	523.2
102.5°	2.1	148.9	341.2	469.4	512.9
105°	2.1	142.7	335.0	461.2	502.5
107.5°	2.1	136.5	324.7	450.8	492.2
110°	2.1	130.3	308.1	440.5	481.8



TEST NUMBER: P567433

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	128.2	295.7	426.0	469.4
115°	4.1	124.1	283.3	409.5	455.0
117.5°	4.1	122.0	273.0	392.9	440.5
120°	4.1	115.8	262.6	378.4	423.9
122.5°	4.1	109.6	252.3	364.0	409.5
125°	4.1	105.5	242.0	349.5	392.9
127.5°	4.1	99.3	233.7	335.0	374.3
130°	4.1	95.1	223.3	318.5	357.8
132.5°	4.1	88.9	213.0	301.9	339.1
135°	4.1	82.7	202.7	287.4	322.6
137.5°	4.1	74.4	190.3	270.9	304.0
140°	4.1	68.2	173.7	254.4	285.4
142.5°	4.1	64.1	157.2	235.7	264.7
145°	4.1	60.0	140.6	217.1	244.0
147.5°	4.1	55.8	126.1	198.5	223.3
150°	4.1	49.6	111.7	182.0	202.7
152.5°	6.2	45.5	99.3	161.3	182.0
155°	6.2	41.4	86.9	138.6	161.3
157.5°	6.2	37.2	74.4	115.8	140.6
160°	6.2	33.1	64.1	95.1	119.9
162.5°	6.2	31.0	55.8	78.6	101.3
165°	6.2	26.9	47.6	64.1	82.7
167.5°	6.2	20.7	39.3	49.6	68.2
170°	6.2	16.5	31.0	35.2	51.7
172.5°	6.2	12.4	22.7	24.8	26.9
175°	6.2	10.3	14.5	14.5	8.3
177.5°	6.2	8.3	8.3	8.3	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)