

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: P567625

Luminaire Tested: **8SNX-180HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567625
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-180HL-SLW-UNV-L950-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

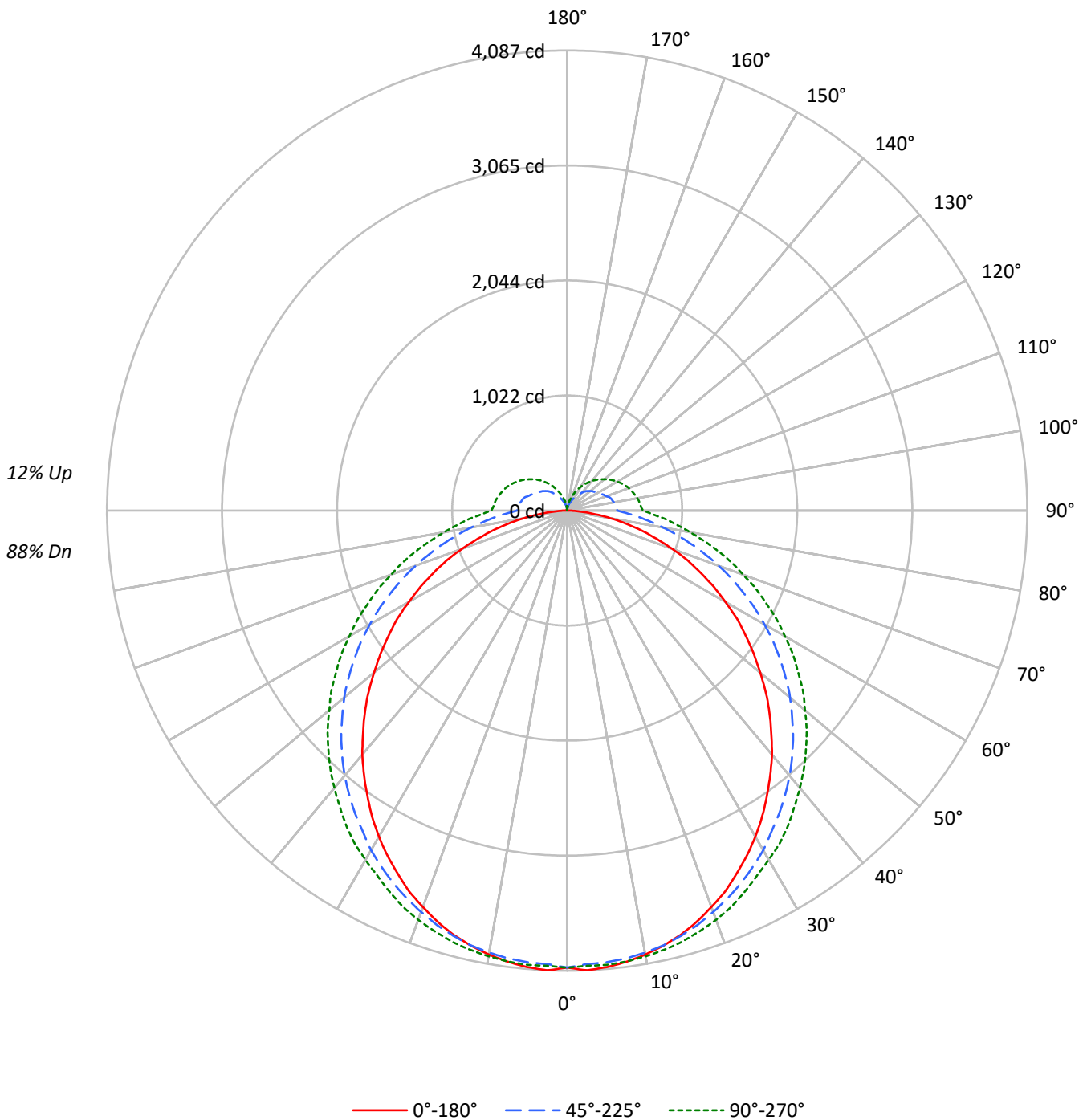
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14615.0 lumens
Efficiency: N/A
Efficacy: 113.5 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): 128.8
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: P567625
CATALOG NUMBER: 8SNX-180HL-SLW-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567625

CATALOG NUMBER: 8SNX-180HL-SLW-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°	21848	21848	21848
5°	21966	21304	21260
10°	21844	20896	20751
15°	21666	20455	20272
20°	21377	19971	19772
25°	21032	19484	19202
30°	20656	18995	18677
35°	20178	18447	18225
40°	19715	17947	17672
45°	19155	17391	17147
50°	18505	16800	16546
55°	17888	16107	15947
60°	17175	15355	15257
65°	16306	14497	14522
70°	15202	13529	13675
75°	13629	12413	12900
80°	11427	11311	11920
85°	8292	10338	11282



TEST NUMBER: P567625

CATALOG NUMBER: 8SNX-180HL-SLW-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.4	2.6
10°-20°	1108.6	7.6
20°-30°	1686.5	11.5
30°-40°	2050.6	14.0
40°-50°	2169.5	14.8
50°-60°	2033.6	13.9
60°-70°	1673.0	11.4
70°-80°	1157.6	7.9
80°-90°	643.7	4.4
90°-100°	424.0	2.9
100°-110°	380.3	2.6
110°-120°	314.8	2.2
120°-130°	243.3	1.7
130°-140°	172.2	1.2
140°-150°	103.9	0.7
150°-160°	49.9	0.3
160°-170°	16.3	0.1
170°-180°	2.0	0.0
0°-30°	3180.4	21.8
0°-40°	5231.0	35.8
0°-60°	9434.1	64.6
0°-90°	12908.3	88.3
90°-120°	1119.1	7.7
90°-150°	1638.5	11.2
90°-180°	1707.0	11.7
0°-180°	14615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4060	4060	4060	4060	4060	
5°	4070	4062	4027	4060	4050	386
15°	3899	3912	3909	3962	3962	1099
25°	3559	3609	3652	3732	3734	1640
35°	3093	3176	3284	3389	3419	1936
45°	2543	2676	2838	2966	3001	1960
55°	1935	2107	2310	2455	2505	1732
65°	1309	1497	1729	1900	1952	1298
75°	681	878	1136	1316	1389	722
85°	150	373	631	806	876	173
90°	2	210	446	613	673	10
95°	2	200	433	593	651	2
105°	2	173	405	558	608	3
115°	5	150	343	496	551	4
125°	5	128	293	423	476	4
135°	5	100	245	348	390	4
145°	5	73	170	263	295	3
155°	8	50	105	168	195	3
165°	8	32	58	78	100	2
175°	8	12	18	18	10	1
180°	5	5	5	5	5	



TEST NUMBER: P567625

CATALOG NUMBER: 8SNX-180HL-SLW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4059.5	4059.5	4059.5	4059.5	4059.5
2.5°	4087.0	4074.5	4032.0	4059.5	4047.0
5°	4069.5	4062.0	4026.9	4059.5	4049.5
7.5°	4042.0	4039.5	4011.9	4049.5	4039.5
10°	4004.4	4009.4	3986.9	4026.9	4019.4
12.5°	3956.9	3964.4	3954.4	3999.4	3994.4
15°	3899.3	3911.8	3909.3	3961.9	3961.9
17.5°	3829.2	3846.7	3856.8	3916.8	3916.8
20°	3746.6	3774.2	3794.2	3859.3	3869.3
22.5°	3664.0	3696.6	3726.6	3794.2	3809.2
25°	3558.9	3609.0	3651.5	3731.6	3734.1
27.5°	3456.3	3511.4	3568.9	3646.5	3654.0
30°	3343.7	3413.8	3483.8	3558.9	3581.5
32.5°	3223.6	3301.1	3378.7	3478.8	3508.9
35°	3093.4	3176.0	3283.6	3388.7	3418.8
37.5°	2963.3	3055.9	3181.0	3288.6	3316.2
40°	2830.6	2933.2	3073.4	3183.5	3216.1
42.5°	2683.0	2808.1	2958.3	3075.9	3113.4
45°	2542.8	2675.5	2838.1	2965.8	3000.8
47.5°	2395.1	2535.3	2710.5	2845.6	2885.7
50°	2237.5	2397.6	2585.4	2720.5	2758.0
52.5°	2089.8	2252.5	2450.2	2590.4	2642.9
55°	1934.6	2107.3	2310.1	2455.2	2505.3
57.5°	1789.5	1954.7	2172.4	2317.6	2380.1
60°	1624.3	1807.0	2024.7	2182.4	2232.5
62.5°	1469.1	1654.3	1879.6	2042.3	2099.8
65°	1308.9	1496.7	1729.4	1899.6	1952.2
67.5°	1158.8	1344.0	1581.7	1749.4	1817.0
70°	993.6	1188.8	1431.6	1604.3	1661.8
72.5°	830.9	1033.6	1281.4	1466.6	1531.7
75°	680.8	878.5	1136.3	1316.5	1389.0
77.5°	535.6	735.8	996.1	1181.3	1243.9
80°	390.4	600.7	866.0	1048.7	1108.7
82.5°	257.8	478.0	740.8	923.5	988.6
85°	150.2	372.9	630.7	805.9	876.0
87.5°	65.1	282.8	528.1	700.8	758.3
90°	2.5	210.2	445.5	613.2	673.2
92.5°	2.5	205.2	435.5	600.7	658.2
95°	2.5	200.2	433.0	593.2	650.7
97.5°	2.5	197.7	428.0	588.1	643.2
100°	2.5	190.2	420.5	578.1	633.2
102.5°	2.5	180.2	413.0	568.1	620.7
105°	2.5	172.7	405.4	558.1	608.2
107.5°	2.5	165.2	392.9	545.6	595.7
110°	2.5	157.7	372.9	533.1	583.1



TEST NUMBER: P567625

CATALOG NUMBER: 8SNX-180HL-SLW-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	155.2	357.9	515.6	568.1
115°	5.0	150.2	342.9	495.5	550.6
117.5°	5.0	147.7	330.4	475.5	533.1
120°	5.0	140.2	317.9	458.0	513.1
122.5°	5.0	132.6	305.3	440.5	495.5
125°	5.0	127.6	292.8	423.0	475.5
127.5°	5.0	120.1	282.8	405.4	453.0
130°	5.0	115.1	270.3	385.4	433.0
132.5°	5.0	107.6	257.8	365.4	410.5
135°	5.0	100.1	245.3	347.9	390.4
137.5°	5.0	90.1	230.3	327.9	367.9
140°	5.0	82.6	210.2	307.8	345.4
142.5°	5.0	77.6	190.2	285.3	320.4
145°	5.0	72.6	170.2	262.8	295.3
147.5°	5.0	67.6	152.7	240.3	270.3
150°	5.0	60.1	135.1	220.2	245.3
152.5°	7.5	55.1	120.1	195.2	220.2
155°	7.5	50.1	105.1	167.7	195.2
157.5°	7.5	45.0	90.1	140.2	170.2
160°	7.5	40.0	77.6	115.1	145.2
162.5°	7.5	37.5	67.6	95.1	122.6
165°	7.5	32.5	57.6	77.6	100.1
167.5°	7.5	25.0	47.6	60.1	82.6
170°	7.5	20.0	37.5	42.5	62.6
172.5°	7.5	15.0	27.5	30.0	32.5
175°	7.5	12.5	17.5	17.5	10.0
177.5°	7.5	10.0	10.0	10.0	5.0
180°	5.0	5.0	5.0	5.0	5.0

(END OF REPORT)