

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: P567503

Luminaire Tested: **8SNX-168HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-168HL-LC-UNV-L935-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

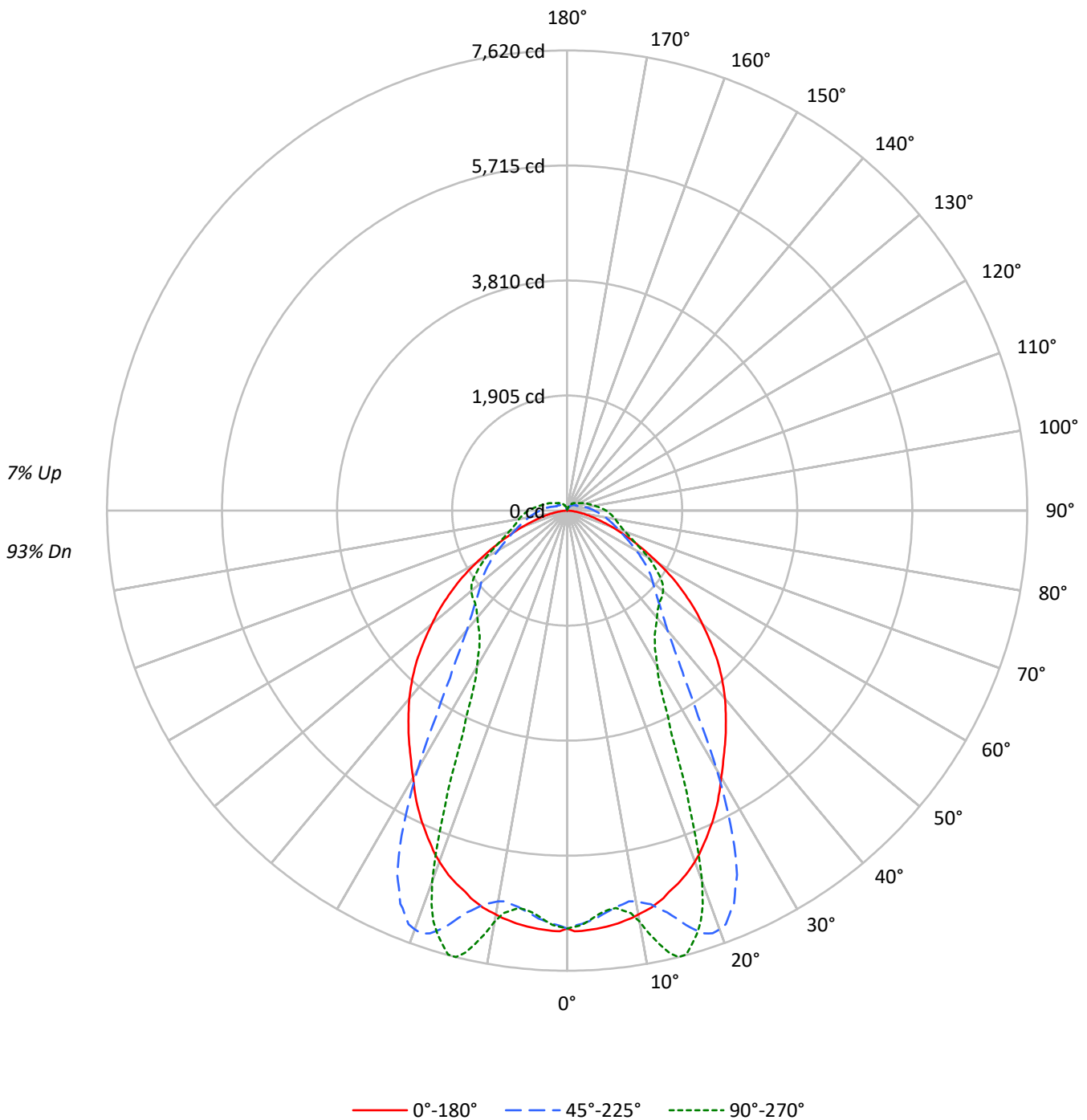
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15380.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 115.8
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: P567503
CATALOG NUMBER: 8SNX-168HL-LC-UNV-L935-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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37244	37244	37244
5°	37357	34803	34092
10°	36977	33084	33806
15°	36184	34450	35989
20°	35158	35916	30120
25°	33463	32227	18520
30°	31334	24009	13404
35°	29607	16575	11307
40°	28067	12866	10421
45°	26262	10956	9855
50°	23885	9835	9675
55°	21376	8895	8950
60°	18126	7698	7742
65°	14742	6706	6461
70°	11569	6028	5689
75°	8972	5604	5306
80°	6314	5308	5252
85°	3511	5064	5215



TEST NUMBER: P567503

CATALOG NUMBER: 8SNX-168HL-LC-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.9	4.2
10°-20°	1967.7	12.8
20°-30°	2649.5	17.2
30°-40°	2507.5	16.3
40°-50°	2213.2	14.4
50°-60°	1797.6	11.7
60°-70°	1222.6	7.9
70°-80°	786.7	5.1
80°-90°	523.1	3.4
90°-100°	359.5	2.3
100°-110°	241.3	1.6
110°-120°	170.2	1.1
120°-130°	121.6	0.8
130°-140°	85.8	0.6
140°-150°	53.3	0.3
150°-160°	26.0	0.2
160°-170°	9.1	0.1
170°-180°	1.6	0.0
0°-30°	5261.1	34.2
0°-40°	7768.6	50.5
0°-60°	11779.4	76.6
0°-90°	14311.7	93.1
90°-120°	771.0	5.0
90°-150°	1031.6	6.7
90°-180°	1068.0	6.9
0°-180°	15380.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6920	6920	6920	6920	6920	
5°	6927	6864	6716	6711	6678	657
15°	6530	6488	6988	7606	7613	1841
25°	5690	6746	6657	4835	4088	2611
35°	4572	6415	3382	2604	2524	2861
45°	3522	4316	2139	2113	2158	2704
55°	2346	2552	1606	1794	1862	2095
65°	1209	1376	1076	1195	1233	1214
75°	465	650	758	850	890	506
85°	70	277	538	681	728	92
90°	2	193	448	604	643	4
95°	2	148	378	512	547	2
105°	5	103	249	350	392	5
115°	5	89	183	261	294	6
125°	7	75	157	197	211	7
135°	9	59	129	164	174	7
145°	9	42	92	127	138	6
155°	12	26	56	84	96	5
165°	12	16	30	42	52	4
175°	14	14	14	14	12	1
180°	12	12	12	12	12	



TEST NUMBER: P567503

CATALOG NUMBER: 8SNX-168HL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6920.2	6920.2	6920.2	6920.2	6920.2
1°	6967.2	6946.1	6875.6	6913.2	6894.4
2°	6964.9	6929.6	6849.8	6892.1	6868.6
3°	6953.1	6915.5	6812.2	6838.1	6802.8
4°	6941.4	6896.8	6772.3	6772.3	6732.4
5°	6927.3	6863.9	6715.9	6711.2	6678.4
6°	6910.8	6838.1	6666.6	6661.9	6643.2
7°	6887.4	6793.4	6612.6	6645.5	6631.4
8°	6859.2	6751.2	6584.4	6666.6	6687.8
9°	6833.4	6699.5	6551.6	6732.4	6748.8
10°	6791.1	6652.5	6572.7	6863.9	6913.2
11°	6755.9	6612.6	6619.7	6993.0	7141.0
12°	6720.6	6570.4	6664.3	7155.1	7335.9
13°	6661.9	6537.5	6762.9	7331.2	7516.7
14°	6610.3	6511.6	6859.2	7509.6	7620.0
15°	6530.4	6488.2	6988.3	7605.9	7613.0
16°	6476.4	6471.7	7138.6	7613.0	7481.5
17°	6415.4	6464.7	7260.7	7490.9	7335.9
18°	6347.3	6478.8	7361.7	7338.2	7159.8
19°	6269.8	6492.9	7404.0	7126.9	6896.8
20°	6185.2	6514.0	7380.5	6906.2	6535.1
21°	6100.7	6542.2	7335.9	6673.7	6060.8
22.5°	5943.4	6610.3	7124.5	6020.9	5276.5
23°	5898.8	6624.4	7075.2	5816.6	5072.2
24°	5788.4	6683.1	6849.8	5339.9	4532.1
25°	5689.8	6746.5	6657.2	4835.0	4088.3
26°	5579.4	6793.4	6366.1	4370.1	3815.9
27°	5471.4	6821.6	6035.0	4008.4	3510.6
28°	5346.9	6852.1	5675.7	3696.1	3280.5
29°	5229.5	6856.8	5321.1	3447.2	3099.7
30°	5102.7	6833.4	4947.7	3247.6	2987.0
32.5°	4825.6	6704.2	4034.3	2867.2	2705.2
35°	4572.0	6415.4	3381.5	2604.2	2524.4
37.5°	4316.1	5959.8	2923.5	2439.8	2414.0
40°	4064.8	5419.7	2578.4	2308.3	2313.0
42.5°	3799.4	4863.2	2341.2	2200.3	2221.4
45°	3522.3	4316.1	2139.2	2113.4	2158.0
47.5°	3214.7	3815.9	1979.6	2057.1	2125.2
50°	2923.5	3320.4	1855.1	2003.0	2073.5
52.5°	2646.5	2914.2	1742.4	1911.5	1993.6
55°	2345.9	2552.5	1606.2	1794.0	1862.1
57.5°	2059.4	2226.1	1462.9	1648.5	1709.5
60°	1744.7	1904.4	1317.4	1491.1	1549.8
62.5°	1460.6	1629.7	1192.9	1333.8	1380.8
65°	1209.3	1376.1	1075.5	1195.3	1232.8



TEST NUMBER: P567503

CATALOG NUMBER: 8SNX-168HL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	986.3	1164.7	979.2	1080.2	1115.4
70°	777.3	965.1	894.7	986.3	1023.8
72.5°	608.2	798.4	824.2	908.8	946.3
75°	465.0	650.5	758.5	850.1	890.0
77.5°	345.2	530.7	697.4	803.1	845.4
80°	227.8	422.7	643.4	760.8	810.1
82.5°	143.2	340.5	589.4	718.6	770.2
85°	70.4	277.1	537.7	681.0	728.0
87.5°	23.5	230.1	490.8	643.4	683.3
90°	2.3	192.6	448.5	603.5	643.4
92.5°	2.3	166.7	413.3	556.5	596.5
95°	2.3	147.9	378.1	511.9	547.1
97.5°	2.3	133.8	345.2	465.0	502.5
100°	2.3	119.8	310.0	420.3	460.3
102.5°	4.7	110.4	279.4	382.8	425.0
105°	4.7	103.3	248.9	349.9	392.2
107.5°	4.7	98.6	223.1	324.1	364.0
110°	4.7	93.9	204.3	300.6	342.8
112.5°	4.7	91.6	192.6	279.4	319.4
115°	4.7	89.2	183.2	260.7	293.5
117.5°	7.0	86.9	176.1	241.9	267.7
120°	7.0	82.2	171.4	225.4	246.6
122.5°	7.0	77.5	164.4	211.3	227.8
125°	7.0	75.1	157.3	197.3	211.3
127.5°	7.0	70.4	150.3	185.5	199.6
130°	9.4	65.8	143.2	176.1	187.9
132.5°	9.4	61.1	136.2	171.4	180.8
135°	9.4	58.7	129.2	164.4	173.8
137.5°	9.4	54.0	122.1	157.3	166.7
140°	9.4	49.3	112.7	147.9	157.3
142.5°	9.4	47.0	103.3	138.5	147.9
145°	9.4	42.3	91.6	126.8	138.5
147.5°	11.7	39.9	82.2	117.4	126.8
150°	11.7	35.2	72.8	108.0	117.4
152.5°	11.7	30.5	63.4	96.3	105.7
155°	11.7	25.8	56.4	84.5	96.3
157.5°	11.7	23.5	49.3	70.4	84.5
160°	11.7	21.1	42.3	61.1	72.8
162.5°	11.7	18.8	37.6	51.7	63.4
165°	11.7	16.4	30.5	42.3	51.7
167.5°	14.1	16.4	25.8	32.9	42.3
170°	14.1	16.4	21.1	25.8	32.9
172.5°	14.1	14.1	16.4	18.8	21.1
175°	14.1	14.1	14.1	14.1	11.7
177.5°	14.1	14.1	14.1	11.7	11.7



TEST NUMBER: P567503

CATALOG NUMBER: 8SNX-168HL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.7	11.7	11.7	11.7	11.7

(END OF REPORT)