

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: FAIL-SAFE

Report Number: P861211

Luminaire Tested: **8APVTLD-SL3C3 LO POWER 5000K 120V**

Issue Date: 1/11/2023

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P861211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( NTCLR22090026)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 8APVTLTD-SL3C3 LO POWER 5000K 120V  
Description: LOW POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER  
Luminaire Equipment: Sample No. Condition Description

**Summary**

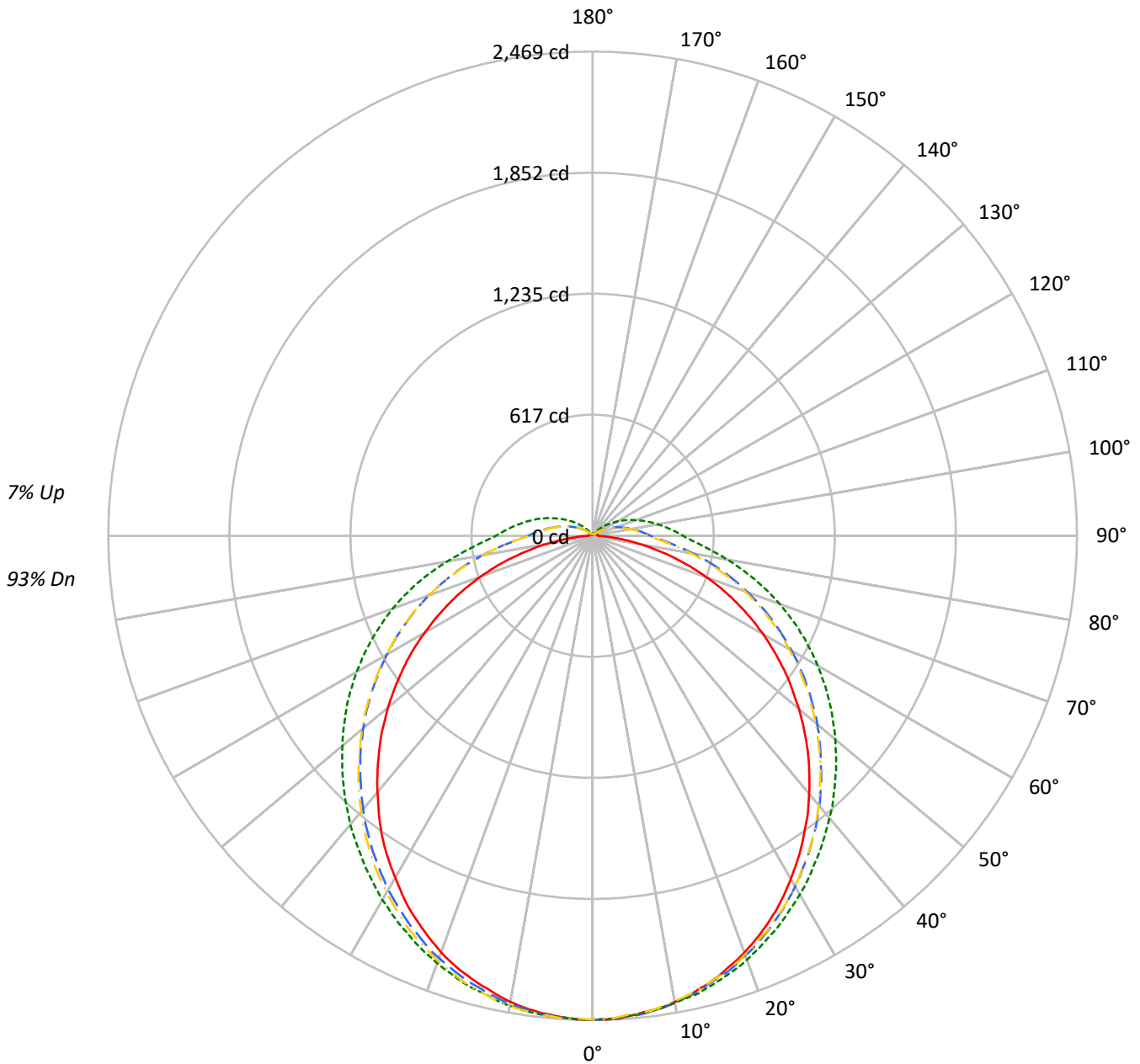
Lumens per Lamp: N/A  
Luminaire Lumens: 8378.6 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 59  
Input Voltage (V): 120  
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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	95	95	95	93																			
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	74																			
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	66	63	60																			
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50																			
4	79	66	57	50	76	65	56	49	61	54	48	58	52	46	55	49	45	43																			
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	37																			
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	32																			
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28																			
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	25																			
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	34	29	24	22																			
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9960	9960	9960	9960
5°	9929	9721	9927	9750
10°	9872	9491	9873	9554
15°	9790	9282	9777	9343
20°	9679	9060	9673	9131
25°	9539	8836	9512	8915
30°	9361	8605	9325	8734
35°	9166	8384	9155	8536
40°	8973	8182	8916	8372
45°	8761	7987	8686	8204
50°	8514	7816	8442	8058
55°	8261	7641	8165	7944
60°	7964	7471	7844	7827
65°	7600	7274	7466	7705
70°	7087	7090	6970	7578
75°	6418	6892	6215	7424
80°	5450	6678	5182	7233
85°	4209	6693	3787	7243



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.3	2.8
10°-20°	667.0	8.0
20°-30°	1009.0	12.0
30°-40°	1219.3	14.6
40°-50°	1283.4	15.3
50°-60°	1206.0	14.4
60°-70°	1005.5	12.0
70°-80°	717.3	8.6
80°-90°	420.1	5.0
90°-100°	261.4	3.1
100°-110°	171.8	2.0
110°-120°	100.9	1.2
120°-130°	51.3	0.6
130°-140°	19.7	0.2
140°-150°	6.2	0.1
150°-160°	3.5	0.0
160°-170°	2.2	0.0
170°-180°	0.8	0.0
0°-30°	1909.3	22.8
0°-40°	3128.6	37.3
0°-60°	5617.9	67.1
0°-90°	7760.8	92.6
90°-120°	534.1	6.4
90°-150°	611.2	7.3
90°-180°	618.0	7.4
0°-180°	8378.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2468	2468	2468	2468	2468	
5°	2453	2452	2452	2459	2453	233
15°	2349	2370	2346	2386	2349	663
25°	2152	2215	2146	2235	2152	991
35°	1874	1999	1871	2035	1874	1173
45°	1551	1749	1537	1796	1551	1195
55°	1191	1474	1178	1532	1191	1064
65°	814	1170	799	1239	814	803
75°	428	854	414	920	428	452
85°	102	558	92	603	102	113
90°	30	462	23	494	30	19
95°	27	397	21	427	27	21
105°	22	284	18	315	22	23
115°	18	189	15	211	18	18
125°	14	109	12	126	14	13
135°	10	49	8	60	10	8
145°	8	8	8	14	8	5
155°	7	6	6	9	7	3
165°	7	6	9	8	7	2
175°	8	6	11	7	8	1
180°	9	9	9	9	9	



TEST NUMBER: P861211

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5
1°	2467.6	2467.8	2468.6	2465.7	2465.0	2469.0	2467.6	2465.7	2467.8	2464.8	2466.7
2°	2467.6	2467.6	2468.0	2462.8	2465.0	2463.2	2466.5	2464.6	2467.1	2464.8	2465.3
3°	2466.3	2466.9	2462.1	2461.1	2461.7	2461.9	2459.0	2460.7	2462.3	2464.0	2462.6
4°	2459.0	2462.5	2457.1	2460.9	2455.9	2458.0	2450.2	2458.4	2458.8	2460.9	2460.7
5°	2452.7	2458.6	2455.7	2456.1	2451.7	2450.6	2446.9	2449.0	2452.3	2454.8	2456.3
6°	2444.2	2450.6	2452.7	2451.7	2447.5	2448.6	2445.0	2442.9	2447.5	2450.4	2453.6
7°	2439.6	2444.4	2442.5	2447.1	2444.8	2439.4	2440.0	2436.7	2440.8	2445.2	2445.2
8°	2432.1	2436.0	2437.3	2436.1	2435.6	2430.8	2430.6	2427.9	2432.9	2434.0	2436.9
9°	2425.8	2426.9	2428.9	2434.0	2425.8	2425.4	2419.6	2419.1	2424.1	2427.9	2431.9
10°	2412.9	2418.1	2417.9	2420.6	2417.7	2413.5	2410.6	2410.4	2413.1	2418.7	2421.7
11°	2407.5	2408.5	2406.4	2411.2	2409.6	2406.0	2399.3	2398.7	2401.0	2407.9	2414.1
12°	2393.1	2396.6	2396.4	2401.4	2402.2	2397.9	2389.1	2386.4	2388.1	2396.8	2402.2
13°	2377.4	2384.3	2385.8	2390.4	2395.2	2388.7	2378.2	2375.7	2372.0	2385.5	2389.5
14°	2364.5	2373.9	2368.4	2378.7	2380.3	2373.4	2363.4	2361.4	2360.9	2370.1	2377.0
15°	2349.3	2357.6	2355.5	2365.1	2369.9	2363.4	2351.3	2345.9	2346.1	2354.7	2366.2
16°	2334.9	2338.4	2341.5	2350.5	2356.1	2350.7	2337.6	2326.5	2330.1	2340.7	2352.6
17°	2315.9	2319.6	2329.8	2341.1	2342.8	2337.4	2323.0	2310.2	2315.4	2325.9	2338.2
18°	2298.1	2310.9	2313.8	2321.7	2330.1	2321.9	2307.5	2294.4	2297.7	2307.5	2322.3
19°	2281.9	2286.2	2295.8	2308.6	2317.3	2305.4	2292.1	2278.5	2280.0	2289.8	2306.9
20°	2261.8	2269.3	2275.8	2294.4	2301.0	2293.3	2272.7	2256.0	2260.4	2269.8	2291.5
21°	2242.0	2247.4	2261.6	2279.6	2283.1	2275.2	2257.2	2237.6	2237.4	2250.3	2276.0
22°	2220.3	2226.6	2240.7	2258.7	2267.4	2255.8	2235.9	2216.8	2215.3	2228.6	2256.4
23°	2199.2	2209.2	2220.5	2241.4	2248.3	2238.2	2214.7	2196.7	2192.8	2208.8	2235.5
24°	2176.5	2187.5	2201.3	2224.0	2229.5	2219.1	2198.6	2174.2	2169.4	2187.5	2213.4
25°	2152.1	2163.1	2178.8	2203.6	2215.3	2199.8	2175.7	2150.8	2146.0	2166.3	2194.6
26°	2128.9	2139.5	2158.3	2185.0	2193.4	2181.1	2155.8	2127.4	2122.6	2142.3	2173.1
27°	2103.2	2117.4	2136.6	2166.5	2173.8	2162.3	2134.7	2102.4	2097.8	2115.3	2150.0
28°	2076.9	2091.6	2113.0	2143.5	2151.2	2139.5	2111.4	2076.7	2069.2	2091.6	2128.7
29°	2047.7	2059.0	2089.5	2123.1	2133.7	2117.6	2086.6	2046.7	2040.2	2066.7	2106.8
30°	2020.4	2037.5	2065.7	2099.5	2112.6	2096.2	2063.6	2021.5	2012.7	2040.7	2083.8
31°	1992.2	2012.1	2041.9	2076.3	2091.4	2073.0	2039.2	1997.0	1986.2	2010.6	2057.6
32°	1964.5	1980.8	2012.7	2052.8	2069.4	2051.7	2010.2	1968.7	1957.4	1983.9	2032.5
33°	1935.7	1954.9	1988.5	2029.8	2045.9	2026.7	1987.0	1941.9	1930.3	1956.1	2007.1
34°	1905.9	1925.1	1963.7	2006.6	2020.8	2003.9	1961.4	1913.4	1901.1	1927.8	1981.8
35°	1873.7	1896.4	1937.1	1983.7	1999.3	1980.6	1935.3	1880.2	1871.4	1901.2	1957.0
36°	1843.2	1868.5	1909.2	1960.1	1976.8	1952.8	1909.6	1851.6	1838.8	1872.3	1930.3
37°	1814.7	1835.6	1882.7	1935.1	1951.6	1928.8	1880.4	1821.6	1806.5	1843.1	1902.4
38°	1783.6	1803.7	1855.6	1906.0	1927.4	1902.8	1851.7	1789.7	1772.6	1810.7	1877.8
39°	1750.4	1774.2	1825.6	1880.9	1903.2	1879.2	1821.0	1757.5	1737.4	1781.4	1850.0
40°	1717.7	1742.6	1798.9	1857.1	1878.6	1852.2	1795.4	1726.6	1706.9	1748.3	1820.1
41°	1684.4	1710.1	1767.8	1832.0	1855.4	1827.3	1763.0	1698.4	1674.6	1720.3	1791.1
42°	1651.5	1680.3	1738.8	1807.1	1831.1	1803.4	1732.1	1660.7	1639.7	1687.0	1762.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1550.7	1580.5	1645.3	1726.2	1749.0	1720.7	1642.4	1562.4	1537.4	1593.2	1674.2
46°	1515.7	1546.4	1615.9	1698.1	1724.8	1694.1	1610.1	1528.7	1503.7	1556.3	1646.3
47°	1480.2	1511.7	1586.3	1671.1	1697.4	1664.0	1577.1	1493.4	1469.4	1522.4	1618.4
48°	1444.5	1479.5	1556.3	1642.8	1670.6	1637.1	1546.1	1459.8	1431.7	1487.9	1587.4
49°	1407.6	1442.8	1525.5	1613.8	1640.7	1609.1	1514.7	1423.4	1396.1	1457.6	1555.7
50°	1372.7	1408.6	1494.8	1587.0	1615.5	1580.9	1482.6	1390.3	1361.1	1423.4	1525.9
51°	1334.6	1374.6	1464.6	1556.2	1588.4	1551.8	1451.6	1354.8	1324.1	1388.5	1493.7
52°	1298.1	1338.7	1431.0	1528.4	1557.3	1520.5	1419.1	1317.5	1286.8	1351.9	1467.0
53°	1263.6	1302.8	1398.4	1498.5	1530.0	1491.1	1386.4	1284.3	1251.3	1319.1	1433.2
54°	1228.4	1266.9	1367.7	1471.6	1502.9	1461.7	1355.3	1250.1	1214.7	1283.8	1403.1
55°	1191.4	1230.8	1333.4	1442.0	1473.5	1431.9	1322.0	1213.7	1177.5	1249.7	1371.5
56°	1152.2	1197.0	1302.6	1409.4	1443.7	1399.9	1288.5	1176.4	1141.5	1214.4	1338.1
57°	1116.6	1160.6	1267.6	1379.1	1415.5	1371.0	1258.4	1141.1	1103.8	1173.7	1306.0
58°	1078.8	1125.3	1238.7	1346.5	1383.1	1339.4	1225.3	1104.5	1065.8	1143.5	1274.2
59°	1040.5	1089.6	1204.4	1317.2	1355.2	1307.1	1190.1	1067.2	1027.9	1105.9	1243.3
60°	1004.3	1052.8	1169.5	1286.2	1326.2	1276.7	1156.8	1031.2	989.2	1070.3	1210.8
61°	964.3	1017.4	1137.7	1256.9	1295.1	1245.1	1125.8	996.0	951.3	1030.4	1178.0
62°	928.2	982.6	1104.4	1223.6	1265.3	1214.2	1092.8	958.5	913.8	996.9	1146.5
63°	889.2	947.3	1072.3	1191.6	1232.3	1181.3	1057.5	922.3	875.3	962.8	1114.6
64°	850.7	909.8	1038.8	1159.5	1205.1	1151.1	1025.8	886.7	837.0	924.6	1082.2
65°	813.5	875.3	1005.9	1128.4	1169.9	1116.1	991.1	850.2	799.1	891.4	1048.5
66°	774.8	838.2	973.3	1097.9	1143.8	1087.9	960.8	814.2	761.4	856.6	1017.4
67°	735.1	801.2	939.0	1068.0	1108.9	1055.9	925.6	777.4	722.1	819.7	985.7
68°	695.7	765.4	907.0	1032.3	1076.7	1023.3	891.5	744.2	682.4	784.2	953.2
69°	656.8	729.1	873.7	1001.9	1044.2	991.3	856.7	706.8	643.9	749.3	920.4
70°	617.7	694.2	840.5	968.2	1013.4	959.2	824.9	672.0	607.5	715.3	887.3
71°	579.5	659.9	808.4	935.9	981.4	927.3	792.3	637.5	566.3	679.5	855.1
72°	541.7	624.2	776.3	901.8	949.2	895.4	758.8	602.5	529.6	646.2	821.9
73°	502.2	589.3	743.7	866.6	917.9	863.6	726.6	568.7	490.0	609.9	789.6
74°	464.3	555.3	711.9	835.6	884.0	829.6	693.8	533.5	452.1	576.7	757.7
75°	427.5	521.9	679.6	802.5	854.2	799.2	661.2	499.5	414.0	542.6	726.5
76°	389.8	488.6	647.5	772.3	819.3	766.6	628.5	466.0	377.0	510.6	694.0
77°	353.2	456.0	614.1	740.5	791.0	737.2	598.7	434.1	340.8	477.2	662.7
78°	316.5	424.3	583.6	709.4	755.9	702.8	565.1	400.8	305.1	443.8	628.0
79°	282.1	392.4	552.6	679.2	728.3	675.3	535.8	370.8	269.9	412.5	597.5
80°	248.3	362.3	521.5	648.4	694.6	641.3	505.2	340.7	236.1	381.0	567.5
81°	215.6	333.0	491.9	618.5	668.0	614.0	477.3	311.1	202.4	351.2	538.3
82°	184.2	305.1	463.3	589.1	636.3	584.1	447.5	283.3	171.5	321.3	506.8
83°	154.2	277.7	435.3	559.5	608.0	557.2	421.1	255.6	142.5	294.1	480.9
84°	126.7	251.5	410.1	532.9	582.2	530.7	396.4	232.2	114.7	267.3	454.5
85°	101.7	227.4	386.0	507.4	557.5	506.4	373.5	209.3	91.5	243.1	428.5
86°	79.0	204.8	362.8	483.2	534.8	483.6	351.1	188.9	70.7	220.8	406.1
87°	59.2	183.6	340.1	459.5	511.7	461.0	329.9	168.9	52.1	200.6	382.7



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CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	30.1	143.2	294.8	411.1	461.8	413.5	286.0	128.6	23.1	155.0	330.3
91°	29.1	135.1	284.9	399.1	446.3	398.4	274.7	120.9	22.5	145.7	317.2
92°	28.4	127.5	274.7	387.3	435.2	387.9	265.3	114.1	22.3	137.7	306.6
93°	27.8	120.4	264.4	375.3	421.5	375.1	255.5	107.0	22.5	129.2	295.1
94°	26.9	113.7	255.1	363.9	409.6	364.2	246.9	100.3	22.1	121.1	284.4
95°	26.6	107.3	245.9	353.2	396.7	351.4	236.5	94.2	21.4	113.8	273.8
96°	25.7	100.6	236.0	342.2	384.6	342.0	227.9	88.5	20.5	106.8	263.6
97°	25.2	94.6	227.1	330.4	373.1	329.8	218.3	83.0	19.3	99.8	252.4
98°	24.8	89.6	218.2	320.4	360.5	319.3	210.4	77.7	18.8	93.8	242.5
99°	24.3	84.0	209.3	310.3	349.9	309.1	201.7	73.1	18.4	87.4	232.6
100°	23.9	78.7	201.0	300.0	336.7	298.7	193.0	68.9	18.4	81.6	222.8
101°	23.4	74.6	192.8	289.6	327.1	289.1	184.6	64.0	18.3	76.4	214.0
102°	23.4	70.4	184.0	280.0	313.6	277.7	177.4	59.6	18.2	71.8	204.5
103°	22.9	66.0	176.6	269.3	305.9	268.0	170.1	55.4	18.1	66.9	195.5
104°	22.5	61.8	168.7	259.2	293.0	256.9	162.0	51.3	18.0	62.3	187.5
105°	21.8	58.3	161.8	249.9	284.5	248.4	155.2	47.9	17.9	57.9	178.7
106°	21.6	54.4	154.0	240.3	271.7	238.1	147.3	44.0	17.9	54.0	170.3
107°	21.3	50.2	147.2	230.9	263.9	229.9	140.7	40.6	17.8	49.9	162.4
108°	20.9	47.2	139.9	221.5	251.0	220.1	132.6	37.4	17.7	45.8	154.6
109°	20.4	43.6	133.4	212.2	243.9	212.0	126.6	34.4	17.2	42.3	147.4
110°	20.0	40.3	126.7	203.1	232.5	203.1	119.4	31.6	16.5	38.4	139.3
111°	19.5	37.3	120.3	195.0	224.2	194.8	113.6	28.7	16.5	35.4	132.6
112°	19.0	34.3	114.2	186.2	213.9	185.4	107.1	25.7	16.1	32.2	125.2
113°	18.8	31.6	108.1	177.7	205.8	177.3	101.6	23.4	15.4	28.5	118.6
114°	18.6	29.1	102.1	169.6	196.5	168.0	95.3	21.1	15.6	25.8	112.3
115°	18.4	26.7	96.5	161.9	188.7	160.2	90.1	18.8	15.2	23.2	105.8
116°	17.7	24.2	90.9	154.0	179.5	151.5	84.4	17.4	14.7	21.2	99.4
117°	17.4	22.3	85.3	146.6	171.0	144.6	79.3	15.6	14.5	18.4	93.0
118°	16.8	20.5	79.9	139.2	163.0	136.6	74.1	14.4	14.2	16.5	87.7
119°	16.3	19.6	75.5	131.9	154.2	129.8	69.7	14.0	13.9	14.9	81.4
120°	16.1	18.6	70.4	124.8	147.4	122.9	64.4	14.0	13.7	14.0	76.1
121°	15.6	18.2	65.6	118.1	138.2	115.8	59.6	13.7	13.4	13.8	71.2
122°	15.2	17.7	61.0	111.4	132.1	109.0	54.7	13.5	13.1	13.8	65.8
123°	15.1	17.5	56.3	105.0	123.5	102.3	50.5	13.5	12.9	13.3	60.4
124°	14.4	17.3	51.7	98.6	117.6	95.7	45.5	13.3	12.0	13.1	55.5
125°	13.8	17.0	47.5	92.4	108.7	89.6	41.5	11.9	11.7	12.2	50.7
126°	13.3	16.6	43.0	86.1	103.1	83.2	36.9	11.9	11.0	12.2	45.8
127°	12.8	16.1	39.1	80.0	95.4	77.3	33.4	11.5	11.0	11.7	41.3
128°	12.6	15.7	34.9	74.9	89.9	72.0	29.7	11.2	10.7	11.5	37.0
129°	12.6	15.0	31.4	68.7	82.1	66.1	25.8	11.2	10.3	11.0	32.6
130°	11.9	14.7	27.7	63.7	77.6	61.0	22.5	11.0	9.9	10.8	28.6
131°	11.7	14.3	24.3	58.1	71.0	55.3	19.1	11.2	9.6	10.4	24.8
132°	11.2	14.0	21.0	52.8	65.8	50.0	16.2	10.8	9.2	10.6	21.0





TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.3	12.9	13.9	38.5	48.6	35.6	10.0	10.1	7.8	10.1	11.5
136°	10.3	12.5	12.9	34.0	43.8	31.2	9.3	9.2	7.8	9.2	10.4
137°	9.9	12.2	12.7	29.7	38.3	26.7	8.8	8.5	7.8	8.5	9.7
138°	9.9	11.8	12.5	25.9	33.5	23.0	8.3	7.8	7.7	8.3	8.8
139°	9.4	11.4	12.0	21.8	28.8	19.1	8.1	7.8	7.7	7.8	8.3
140°	9.2	11.1	11.8	18.3	24.8	15.6	7.9	7.3	7.7	7.8	8.1
141°	9.2	10.6	11.1	15.0	20.5	12.3	7.6	7.2	7.7	7.7	7.4
142°	8.7	10.1	10.9	12.7	16.2	10.2	7.6	7.1	7.6	7.7	7.2
143°	8.7	9.9	10.9	11.6	13.2	8.4	7.5	6.9	7.6	7.6	6.9
144°	8.3	9.7	10.4	11.1	9.8	8.2	7.4	6.8	7.6	7.5	6.7
145°	8.0	9.4	10.2	10.9	7.9	7.9	7.4	6.7	7.6	7.5	6.5
146°	7.8	9.0	9.8	10.7	7.5	7.7	7.3	6.6	7.1	7.4	6.5
147°	7.6	8.7	9.5	10.4	7.2	7.7	7.2	6.5	6.9	7.3	6.5
148°	7.3	8.7	9.2	10.2	7.0	7.6	7.2	6.4	7.1	7.3	6.6
149°	7.3	8.5	8.9	10.0	6.8	7.5	7.1	6.4	6.7	7.2	6.6
150°	7.1	8.1	8.8	9.5	7.0	7.4	7.1	6.4	6.7	7.1	6.6
151°	7.1	8.1	8.7	9.5	6.8	7.3	7.1	6.4	6.0	7.0	6.6
152°	6.7	7.8	8.7	9.3	6.5	7.2	7.0	6.5	6.0	7.1	6.7
153°	6.9	7.4	8.6	9.3	6.3	7.1	7.0	6.5	6.0	7.2	6.7
154°	6.8	7.4	8.6	8.6	6.3	7.0	7.0	6.5	6.0	7.2	6.7
155°	6.8	7.4	8.6	8.5	6.2	6.9	6.9	6.5	6.0	7.3	6.8
156°	6.8	7.4	8.5	8.4	6.2	6.8	6.9	6.5	6.0	7.3	6.8
157°	6.8	7.4	8.5	8.3	6.2	6.7	6.9	6.6	6.0	7.4	6.8
158°	6.7	7.4	8.5	8.2	6.2	6.7	6.8	6.6	6.0	7.4	6.9
159°	6.7	7.4	8.5	8.1	6.2	6.7	6.8	6.6	6.0	7.5	6.9
160°	6.8	7.5	8.5	8.1	6.1	6.7	6.8	6.6	6.0	7.5	6.9
161°	6.8	7.5	8.4	8.3	6.1	6.6	6.8	6.6	6.9	7.6	7.2
162°	6.8	7.5	8.4	7.9	6.1	6.6	6.7	7.1	7.6	8.1	7.9
163°	6.9	7.5	8.4	7.6	6.1	6.6	6.7	7.5	8.0	8.3	8.3
164°	6.9	7.5	8.4	7.6	6.1	6.5	6.9	7.8	8.5	8.5	8.5
165°	6.9	7.5	8.3	7.5	6.2	6.5	7.2	8.0	8.9	8.5	9.0
166°	7.1	7.6	8.3	7.4	6.2	6.5	7.4	8.2	9.2	8.6	9.5
167°	7.1	7.6	8.3	7.4	6.2	6.5	7.4	8.3	9.9	8.6	9.7
168°	7.8	7.6	8.3	7.3	6.2	6.4	7.4	8.3	10.3	8.6	9.7
169°	7.8	7.8	8.3	7.2	6.2	6.4	7.4	8.3	10.8	8.6	9.8
170°	8.0	8.3	8.2	7.2	6.3	6.4	7.4	8.3	11.2	8.6	9.8
171°	7.8	8.5	8.2	7.1	6.4	6.3	7.4	8.3	11.2	8.6	9.9
172°	8.0	9.0	8.2	7.1	6.4	6.3	7.4	8.4	11.2	8.7	9.9
173°	8.1	9.4	8.2	7.1	6.5	6.3	7.4	8.4	11.1	8.7	10.0
174°	8.3	9.7	8.1	7.1	6.5	6.8	7.4	8.4	11.1	8.7	10.0
175°	8.4	9.7	8.1	7.1	6.5	6.8	7.9	8.4	11.1	8.7	10.1
176°	8.6	9.7	8.1	7.2	7.0	7.0	7.6	8.4	11.0	8.7	10.1
177°	8.7	9.9	8.1	7.2	7.2	7.2	7.6	8.5	11.0	8.7	10.2



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2467.5	2467.5	2467.5	2467.5	2467.5	2467.5
1°	2469.0	2468.2	2469.8	2465.1	2467.6	2467.6
2°	2469.8	2467.3	2470.7	2461.5	2465.5	2467.6
3°	2468.4	2462.5	2468.0	2464.4	2464.8	2466.3
4°	2464.0	2460.0	2465.5	2463.4	2455.2	2459.0
5°	2461.3	2458.8	2461.1	2459.2	2454.6	2452.7
6°	2455.4	2456.1	2456.3	2455.4	2450.7	2444.2
7°	2450.2	2451.3	2454.0	2452.5	2445.6	2439.6
8°	2444.8	2447.5	2450.4	2446.7	2437.9	2432.1
9°	2436.7	2440.0	2441.7	2442.1	2427.1	2425.8
10°	2431.0	2433.8	2434.2	2434.0	2419.1	2412.9
11°	2421.0	2425.6	2426.2	2426.2	2405.4	2407.5
12°	2413.1	2416.2	2414.8	2415.6	2396.8	2393.1
13°	2404.3	2402.9	2410.8	2404.3	2385.5	2377.4
14°	2391.4	2393.7	2402.5	2393.5	2367.8	2364.5
15°	2380.5	2385.6	2392.0	2383.5	2355.3	2349.3
16°	2368.6	2373.4	2377.4	2369.3	2342.2	2334.9
17°	2356.8	2359.9	2366.6	2354.1	2321.7	2315.9
18°	2342.6	2346.5	2350.7	2338.4	2305.9	2298.1
19°	2329.2	2333.0	2338.8	2322.8	2286.7	2281.9
20°	2314.2	2319.2	2326.1	2306.7	2269.8	2261.8
21°	2294.6	2302.7	2309.0	2288.7	2250.1	2242.0
22°	2280.6	2288.9	2292.9	2268.9	2228.6	2220.3
23°	2264.3	2271.8	2276.4	2251.4	2207.8	2199.2
24°	2246.0	2255.6	2259.1	2233.6	2185.9	2176.5
25°	2230.7	2235.1	2237.4	2214.7	2164.0	2152.1
26°	2209.4	2219.5	2219.1	2193.0	2141.0	2128.9
27°	2191.5	2201.5	2198.2	2169.8	2117.8	2103.2
28°	2171.1	2182.7	2180.0	2146.6	2094.5	2076.9
29°	2150.8	2161.5	2160.0	2123.9	2070.7	2047.7
30°	2129.9	2144.3	2139.1	2100.5	2045.4	2020.4
31°	2107.8	2122.4	2117.4	2074.0	2017.3	1992.2
32°	2085.1	2099.9	2096.1	2051.3	1991.4	1964.5
33°	2064.2	2078.0	2074.4	2028.1	1963.6	1935.7
34°	2040.4	2058.0	2053.0	2001.8	1934.2	1905.9
35°	2016.2	2035.4	2030.6	1974.5	1904.2	1873.7
36°	1992.7	2010.8	2004.8	1948.6	1876.3	1843.2
37°	1969.1	1989.7	1981.2	1920.5	1847.2	1814.7
38°	1945.1	1967.2	1957.0	1893.9	1813.9	1783.6
39°	1919.2	1945.1	1934.6	1867.9	1784.9	1750.4
40°	1893.7	1922.1	1908.9	1837.3	1753.2	1717.7
41°	1868.4	1896.0	1885.0	1807.1	1721.5	1684.4
42°	1844.8	1871.5	1857.6	1778.1	1690.3	1651.5



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1765.7	1796.5	1776.9	1686.9	1593.2	1550.7
46°	1740.0	1770.3	1749.8	1657.7	1559.2	1515.7
47°	1714.3	1745.3	1724.4	1627.1	1526.1	1480.2
48°	1686.9	1718.2	1695.6	1594.8	1492.1	1444.5
49°	1659.8	1691.6	1669.5	1564.9	1457.6	1407.6
50°	1632.6	1665.5	1639.4	1533.3	1424.9	1372.7
51°	1603.4	1640.0	1611.3	1503.8	1389.8	1334.6
52°	1573.1	1613.1	1579.8	1473.8	1354.8	1298.1
53°	1544.9	1585.0	1550.9	1440.1	1320.1	1263.6
54°	1515.6	1558.6	1521.7	1407.6	1285.0	1228.4
55°	1487.8	1531.8	1494.0	1374.2	1250.7	1191.4
56°	1458.3	1504.9	1467.4	1342.1	1215.5	1152.2
57°	1429.2	1476.0	1437.1	1312.1	1180.8	1116.6
58°	1397.7	1446.3	1405.3	1279.7	1144.5	1078.8
59°	1369.6	1418.8	1374.6	1247.3	1108.3	1040.5
60°	1339.2	1389.4	1343.7	1214.8	1073.5	1004.3
61°	1307.3	1357.5	1311.3	1182.4	1035.5	964.3
62°	1276.5	1330.4	1279.5	1148.9	1000.6	928.2
63°	1245.1	1299.7	1250.9	1118.7	964.8	889.2
64°	1216.2	1269.0	1219.2	1085.7	928.0	850.7
65°	1182.9	1239.2	1186.9	1052.3	893.2	813.5
66°	1155.0	1207.3	1156.1	1020.6	857.5	774.8
67°	1120.8	1176.1	1124.9	986.9	820.3	735.1
68°	1088.7	1145.6	1092.4	951.6	784.4	695.7
69°	1058.2	1115.7	1061.6	921.6	750.6	656.8
70°	1024.7	1083.2	1029.4	886.8	716.8	617.7
71°	994.4	1051.6	998.9	853.6	681.0	579.5
72°	962.1	1019.8	966.2	820.5	646.6	541.7
73°	929.8	986.5	932.8	787.9	611.0	502.2
74°	898.4	955.8	901.1	755.6	576.6	464.3
75°	867.1	920.2	870.5	720.8	542.9	427.5
76°	834.6	888.2	838.9	689.9	509.4	389.8
77°	805.1	853.2	805.7	658.1	476.4	353.2
78°	771.8	819.1	776.2	626.0	442.7	316.5
79°	743.4	785.8	744.0	595.8	411.7	282.1
80°	711.6	752.3	712.6	565.2	380.4	248.3
81°	681.9	720.5	681.0	537.4	349.7	215.6
82°	651.5	688.9	651.1	508.3	320.7	184.2
83°	623.2	659.5	621.9	480.0	293.7	154.2
84°	594.6	630.6	593.0	453.2	266.6	126.7
85°	567.8	603.3	566.9	427.6	242.2	101.7
86°	544.9	578.2	541.9	403.2	218.9	79.0
87°	521.9	554.3	517.1	379.7	196.0	59.2



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	466.9	494.1	457.4	324.7	150.2	30.1
91°	450.7	479.3	443.1	313.2	141.6	29.1
92°	438.2	465.0	429.5	301.8	133.4	28.4
93°	424.3	452.8	416.6	290.9	125.6	27.8
94°	411.4	439.8	404.1	280.4	117.7	26.9
95°	397.5	427.3	391.8	268.9	111.1	26.6
96°	385.2	414.7	377.9	258.7	104.3	25.7
97°	371.2	402.6	366.1	249.0	97.7	25.2
98°	359.1	390.8	354.6	240.0	91.5	24.8
99°	347.2	379.2	343.0	230.1	85.7	24.3
100°	335.1	367.6	332.1	220.4	80.2	23.9
101°	323.3	356.6	320.3	211.4	76.1	23.4
102°	312.0	345.8	309.3	202.3	71.2	23.4
103°	301.1	334.7	297.9	193.7	66.8	22.9
104°	289.1	323.4	287.2	185.2	62.2	22.5
105°	278.5	314.7	275.8	177.1	58.2	21.8
106°	267.1	304.1	265.8	168.5	53.8	21.6
107°	256.8	293.4	256.2	160.5	49.9	21.3
108°	245.5	281.6	247.1	152.7	46.7	20.9
109°	236.9	271.8	237.5	145.4	43.2	20.4
110°	226.0	261.1	227.5	137.9	40.0	20.0
111°	217.5	250.4	218.0	130.7	36.9	19.5
112°	207.5	239.9	208.4	124.4	34.1	19.0
113°	199.0	229.8	199.0	117.7	31.3	18.8
114°	190.0	220.2	189.8	111.1	28.6	18.6
115°	181.3	210.8	181.2	104.3	26.3	18.4
116°	172.1	201.1	172.8	98.7	23.8	17.7
117°	163.9	192.2	164.6	92.6	22.0	17.4
118°	155.3	183.7	156.6	87.1	20.8	16.8
119°	147.6	174.6	148.7	81.7	20.1	16.3
120°	140.0	166.1	140.7	76.7	19.5	16.1
121°	131.8	157.8	133.1	71.4	19.2	15.6
122°	124.8	149.3	126.2	66.4	19.0	15.2
123°	117.1	141.3	118.2	61.4	18.5	15.1
124°	109.8	133.8	111.4	56.7	18.3	14.4
125°	103.2	126.2	104.3	51.9	18.1	13.8
126°	95.9	118.4	97.4	47.2	17.4	13.3
127°	89.8	111.1	91.0	43.0	17.2	12.8
128°	83.5	104.2	84.4	38.7	16.7	12.6
129°	76.9	97.2	78.5	34.4	16.2	12.6
130°	71.5	90.3	72.5	30.8	16.0	11.9
131°	65.6	83.9	66.7	27.1	15.6	11.7
132°	59.7	77.7	60.9	23.9	14.9	11.2



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	43.3	59.5	44.5	15.5	13.7	10.3
136°	37.8	53.8	39.8	14.4	13.5	10.3
137°	32.9	48.4	35.1	14.1	13.0	9.9
138°	28.4	42.9	30.3	13.9	12.8	9.9
139°	23.9	37.8	25.9	13.4	12.1	9.4
140°	20.1	33.2	22.1	13.2	11.9	9.2
141°	15.5	28.4	18.5	12.5	11.7	9.2
142°	12.0	23.9	15.2	12.3	11.2	8.7
143°	10.6	19.9	13.3	11.8	10.7	8.7
144°	9.0	16.2	12.6	11.4	10.3	8.3
145°	8.3	13.6	12.3	11.1	10.1	8.0
146°	8.1	12.6	12.0	10.7	10.1	7.8
147°	7.6	11.7	11.7	10.4	9.6	7.6
148°	7.6	11.4	11.5	10.2	9.2	7.3
149°	7.5	11.0	11.2	9.7	9.2	7.3
150°	7.4	10.7	10.7	9.5	8.7	7.1
151°	7.3	10.5	10.5	9.3	8.9	7.1
152°	7.2	10.3	10.3	8.8	8.7	6.7
153°	7.1	10.2	10.2	8.8	8.6	6.9
154°	7.0	9.8	10.1	8.8	8.6	6.8
155°	6.9	9.3	9.9	8.8	8.5	6.8
156°	6.0	9.2	9.7	8.7	8.5	6.8
157°	6.3	9.2	9.5	8.7	8.4	6.8
158°	6.0	9.1	9.3	8.7	8.4	6.7
159°	6.0	9.0	9.1	8.7	8.3	6.7
160°	6.2	8.9	9.0	8.7	8.3	6.8
161°	6.5	8.8	8.9	8.6	8.2	6.8
162°	6.7	8.4	8.8	8.6	8.2	6.8
163°	6.9	8.6	8.6	8.6	8.1	6.9
164°	7.2	8.4	8.5	8.6	8.1	6.9
165°	7.4	8.3	8.4	8.6	8.0	6.9
166°	7.6	8.2	8.3	8.6	8.5	7.1
167°	7.9	8.1	8.2	8.5	8.9	7.1
168°	7.9	8.0	8.2	8.5	9.4	7.8
169°	7.9	7.9	8.1	8.5	9.6	7.8
170°	7.9	7.5	8.1	8.5	10.8	8.0
171°	8.0	7.7	8.0	8.5	10.5	7.8
172°	8.0	7.5	8.0	8.4	10.8	8.0
173°	8.0	7.5	7.9	8.4	10.8	8.1
174°	8.0	7.2	7.7	8.4	10.8	8.3
175°	8.1	7.0	7.7	8.4	10.8	8.4
176°	8.1	7.0	7.7	8.4	10.8	8.6
177°	8.1	7.2	7.7	8.3	10.8	8.7



TEST NUMBER: P861211

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	8.7	8.7	8.7	8.7	8.7	8.7



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°







43°	1617.9	1645.9	1708.9	1780.9	1802.2	1774.6	1700.4	1631.0	1606.2	1654.9	1733.1
44°	1584.5	1613.5	1677.4	1753.5	1776.4	1748.1	1672.6	1597.1	1571.5	1624.2	1705.4



88°	44.6	167.7	321.8	440.7	493.7	443.7	313.3	152.3	37.7	183.0	362.8
89°	34.6	153.3	307.7	424.7	474.3	425.5	297.3	138.4	27.6	167.0	344.6



133°	11.0	13.6	18.0	48.0	59.8	45.2	13.7	10.3	8.3	10.6	17.8
134°	10.8	12.9	15.5	43.0	54.6	40.1	11.4	10.3	7.8	10.4	14.3



178°	8.7	9.9	8.1	7.2	7.2	7.5	7.6	8.5	11.0	8.7	10.2
179°	8.7	9.9	8.1	7.2	7.2	7.7	7.6	8.5	11.0	8.7	10.2







43°	1819.0	1846.9	1830.8	1749.7	1657.2	1617.9
44°	1791.8	1822.9	1804.1	1719.3	1625.2	1584.5



88°	502.5	531.2	494.4	358.6	177.9	44.6
89°	482.1	511.0	474.6	340.3	162.7	34.6



133°	54.7	71.6	55.3	20.4	14.6	11.0
134°	48.2	65.5	50.0	17.6	14.4	10.8



178°	8.1	7.2	7.7	8.3	10.8	8.7
179°	8.1	7.2	7.7	8.3	10.8	8.7



(END OF REPORT)