

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: P861207

Luminaire Tested: **8APVTLD-SL3C3 LO POWER 3500K 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: P861207
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: 8APVTLD-SL3C3 LO POWER 3500K 120V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER
Luminaire Equipment: Sample No. Condition Description

Summary

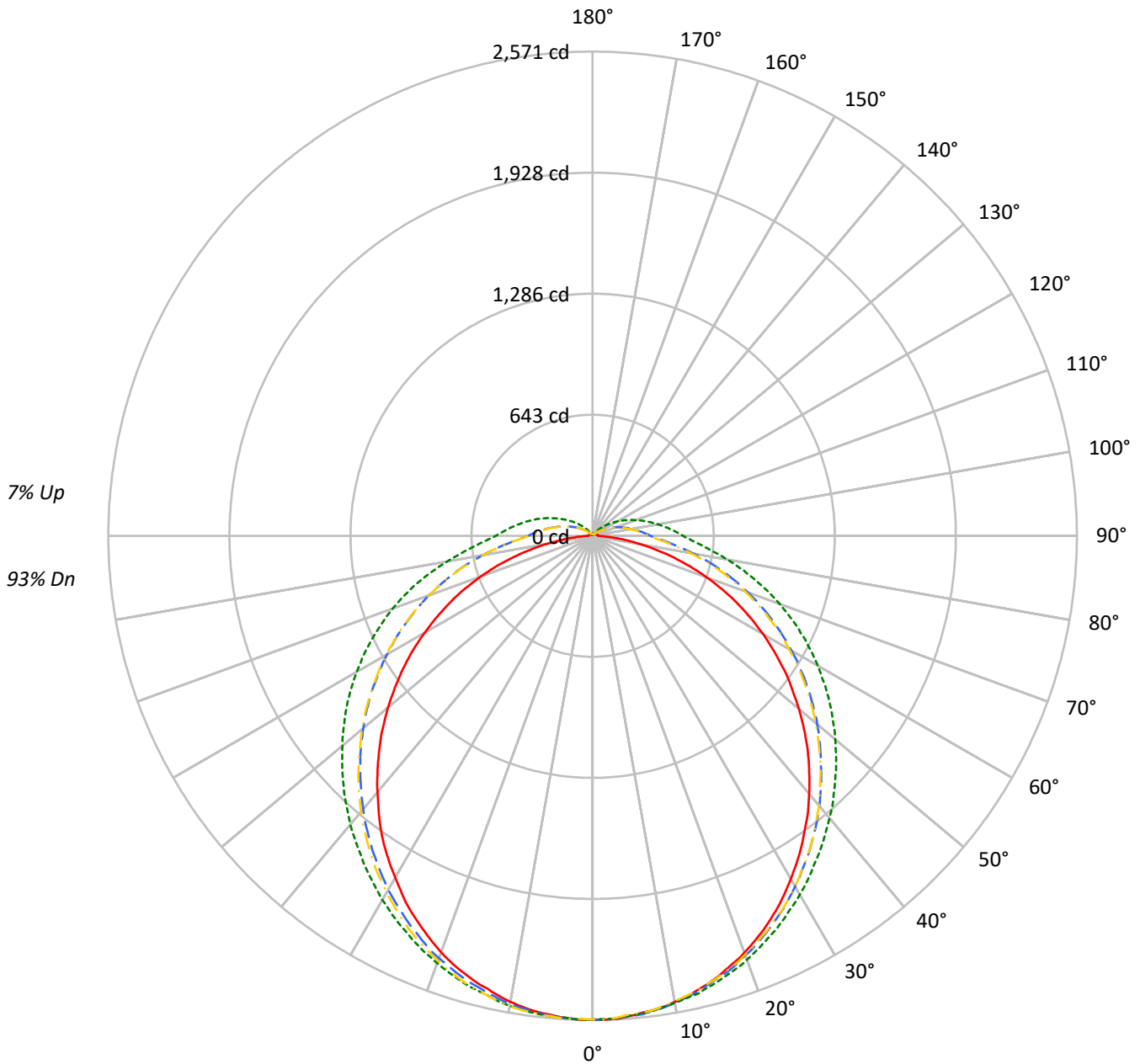
Lumens per Lamp: N/A
Luminaire Lumens: 8725.7 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 58.7
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				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	95	95	95	95	95	95	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	66	63	63	63	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10373	10373	10373	10373
5°	10340	10124	10339	10154
10°	10281	9884	10282	9950
15°	10196	9666	10182	9731
20°	10080	9435	10074	9510
25°	9934	9202	9906	9285
30°	9748	8961	9711	9095
35°	9546	8731	9534	8889
40°	9344	8521	9285	8719
45°	9124	8318	9046	8544
50°	8867	8140	8792	8392
55°	8604	7958	8503	8273
60°	8294	7781	8169	8152
65°	7915	7575	7775	8024
70°	7381	7383	7259	7892
75°	6683	7177	6473	7732
80°	5676	6955	5395	7533
85°	4383	6971	3944	7543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	2.8
10°-20°	694.6	8.0
20°-30°	1050.8	12.0
30°-40°	1269.8	14.6
40°-50°	1336.6	15.3
50°-60°	1255.9	14.4
60°-70°	1047.2	12.0
70°-80°	747.0	8.6
80°-90°	437.5	5.0
90°-100°	272.3	3.1
100°-110°	178.9	2.0
110°-120°	105.1	1.2
120°-130°	53.4	0.6
130°-140°	20.5	0.2
140°-150°	6.5	0.1
150°-160°	3.7	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1988.4	22.8
0°-40°	3258.2	37.3
0°-60°	5850.7	67.1
0°-90°	8082.3	92.6
90°-120°	556.2	6.4
90°-150°	636.6	7.3
90°-180°	643.0	7.4
0°-180°	8725.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2570	2570	2570	2570	2570	
5°	2554	2553	2554	2561	2554	243
15°	2447	2468	2443	2484	2447	690
25°	2241	2307	2235	2328	2241	1032
35°	1951	2082	1949	2120	1951	1221
45°	1615	1822	1601	1871	1615	1245
55°	1241	1534	1226	1595	1241	1108
65°	847	1218	832	1290	847	837
75°	445	890	431	958	445	471
85°	106	581	95	628	106	118
90°	31	481	24	514	31	19
95°	28	413	22	445	28	22
105°	23	296	19	328	23	24
115°	19	197	16	220	19	19
125°	14	113	12	131	14	13
135°	11	51	8	62	11	9
145°	8	8	8	14	8	5
155°	7	6	6	10	7	3
165°	7	6	9	9	7	2
175°	9	7	12	7	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7
1°	2569.9	2570.1	2570.9	2567.9	2567.1	2571.3	2569.9	2567.9	2570.1	2566.9	2568.9
2°	2569.9	2569.9	2570.3	2564.9	2567.1	2565.3	2568.7	2566.7	2569.3	2566.9	2567.5
3°	2568.5	2569.1	2564.1	2563.1	2563.7	2563.9	2560.9	2562.7	2564.3	2566.1	2564.7
4°	2560.9	2564.5	2558.9	2562.9	2557.7	2559.9	2551.7	2560.3	2560.7	2562.9	2562.7
5°	2554.3	2560.5	2557.5	2557.9	2553.3	2552.1	2548.3	2550.5	2553.9	2556.5	2558.1
6°	2545.5	2552.1	2554.3	2553.3	2548.9	2550.1	2546.3	2544.1	2548.9	2551.9	2555.3
7°	2540.7	2545.7	2543.7	2548.5	2546.1	2540.5	2541.1	2537.7	2541.9	2546.5	2546.5
8°	2532.9	2536.9	2538.3	2537.1	2536.5	2531.5	2531.3	2528.5	2533.7	2534.9	2537.9
9°	2526.3	2527.5	2529.5	2534.9	2526.3	2525.9	2519.9	2519.3	2524.5	2528.5	2532.7
10°	2512.9	2518.3	2518.1	2520.9	2517.9	2513.5	2510.5	2510.3	2513.1	2518.9	2522.1
11°	2507.3	2508.3	2506.1	2511.1	2509.5	2505.7	2498.7	2498.1	2500.5	2507.7	2514.1
12°	2492.3	2495.9	2495.7	2500.9	2501.7	2497.3	2488.1	2485.3	2487.1	2496.1	2501.7
13°	2475.9	2483.1	2484.7	2489.5	2494.5	2487.7	2476.7	2474.1	2470.3	2484.3	2488.5
14°	2462.5	2472.3	2466.5	2477.3	2478.9	2471.7	2461.3	2459.3	2458.7	2468.3	2475.5
15°	2446.7	2455.3	2453.1	2463.1	2468.1	2461.3	2448.7	2443.1	2443.3	2452.3	2464.3
16°	2431.7	2435.3	2438.5	2447.9	2453.7	2448.1	2434.5	2422.9	2426.7	2437.7	2450.1
17°	2411.9	2415.7	2426.3	2438.1	2439.9	2434.3	2419.3	2405.9	2411.3	2422.3	2435.1
18°	2393.3	2406.7	2409.7	2417.9	2426.7	2418.1	2403.1	2389.5	2392.9	2403.1	2418.5
19°	2376.5	2380.9	2390.9	2404.3	2413.3	2400.9	2387.1	2372.9	2374.5	2384.7	2402.5
20°	2355.5	2363.3	2370.1	2389.5	2396.3	2388.3	2366.9	2349.5	2354.1	2363.9	2386.5
21°	2334.9	2340.5	2355.3	2374.1	2377.7	2369.5	2350.7	2330.3	2330.1	2343.5	2370.3
22°	2312.3	2318.9	2333.5	2352.3	2361.3	2349.3	2328.5	2308.7	2307.1	2320.9	2349.9
23°	2290.3	2300.7	2312.5	2334.3	2341.5	2330.9	2306.5	2287.7	2283.7	2300.3	2328.1
24°	2266.7	2278.1	2292.5	2316.1	2321.9	2311.1	2289.7	2264.3	2259.3	2278.1	2305.1
25°	2241.3	2252.7	2269.1	2294.9	2307.1	2290.9	2265.9	2239.9	2234.9	2256.1	2285.5
26°	2217.1	2228.1	2247.7	2275.5	2284.3	2271.5	2245.1	2215.5	2210.5	2231.1	2263.1
27°	2190.3	2205.1	2225.1	2256.3	2263.9	2251.9	2223.1	2189.5	2184.7	2202.9	2239.1
28°	2162.9	2178.3	2200.5	2232.3	2240.3	2228.1	2198.9	2162.7	2154.9	2178.3	2216.9
29°	2132.5	2144.3	2176.1	2211.1	2222.1	2205.3	2173.1	2131.5	2124.7	2152.3	2194.1
30°	2104.1	2121.9	2151.3	2186.5	2200.1	2183.1	2149.1	2105.3	2096.1	2125.3	2170.1
31°	2074.7	2095.5	2126.5	2162.3	2178.1	2158.9	2123.7	2079.7	2068.5	2093.9	2142.9
32°	2045.9	2062.9	2096.1	2137.9	2155.1	2136.7	2093.5	2050.3	2038.5	2066.1	2116.7
33°	2015.9	2035.9	2070.9	2113.9	2130.7	2110.7	2069.3	2022.3	2010.3	2037.1	2090.3
34°	1984.9	2004.9	2045.1	2089.7	2104.5	2086.9	2042.7	1992.6	1979.9	2007.7	2063.9
35°	1951.3	1975.0	2017.3	2065.9	2082.1	2062.7	2015.5	1958.0	1948.9	1979.9	2038.1
36°	1919.6	1945.9	1988.3	2041.3	2058.7	2033.7	1988.7	1928.3	1915.0	1949.9	2010.3
37°	1889.8	1911.7	1960.7	2015.3	2032.5	2008.7	1958.3	1897.0	1881.4	1919.4	1981.2
38°	1857.5	1878.4	1932.4	1984.9	2007.3	1981.7	1928.4	1863.8	1846.1	1885.7	1955.6
39°	1822.9	1847.7	1901.3	1958.8	1982.0	1957.0	1896.4	1830.4	1809.3	1855.2	1926.7
40°	1788.9	1814.8	1873.4	1934.0	1956.4	1929.0	1869.8	1798.1	1777.6	1820.8	1895.5
41°	1754.2	1781.0	1841.1	1907.8	1932.2	1903.0	1836.1	1768.8	1744.0	1791.6	1865.3
42°	1719.9	1749.9	1810.8	1882.0	1907.0	1878.1	1803.8	1729.5	1707.6	1756.9	1835.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1615.0	1646.0	1713.4	1797.7	1821.5	1792.0	1710.4	1627.2	1601.1	1659.2	1743.5
46°	1578.5	1610.5	1682.8	1768.5	1796.2	1764.3	1676.8	1592.1	1566.0	1620.8	1714.5
47°	1541.5	1574.3	1652.0	1740.3	1767.8	1733.0	1642.4	1555.3	1530.3	1585.5	1685.5
48°	1504.3	1540.8	1620.8	1710.9	1739.8	1704.9	1610.2	1520.3	1491.0	1549.6	1653.1
49°	1465.9	1502.6	1588.7	1680.7	1708.7	1675.7	1577.4	1482.3	1453.9	1517.9	1620.1
50°	1429.6	1467.0	1556.7	1652.7	1682.4	1646.4	1544.0	1447.9	1417.5	1482.4	1589.2
51°	1389.9	1431.6	1525.2	1620.7	1654.2	1616.1	1511.8	1411.0	1378.9	1446.1	1555.6
52°	1351.9	1394.2	1490.3	1591.8	1621.8	1583.5	1477.9	1372.1	1340.1	1407.9	1527.7
53°	1315.9	1356.8	1456.3	1560.6	1593.4	1552.9	1443.9	1337.5	1303.1	1373.7	1492.6
54°	1279.3	1319.4	1424.4	1532.6	1565.2	1522.3	1411.5	1301.9	1265.0	1337.0	1461.2
55°	1240.8	1281.8	1388.7	1501.7	1534.5	1491.2	1376.8	1264.0	1226.3	1301.4	1428.4
56°	1199.9	1246.6	1356.6	1467.8	1503.5	1457.9	1341.9	1225.1	1188.8	1264.7	1393.6
57°	1162.9	1208.7	1320.2	1436.2	1474.1	1427.8	1310.6	1188.4	1149.6	1222.3	1360.1
58°	1123.5	1171.9	1290.1	1402.3	1440.4	1394.9	1276.0	1150.2	1109.9	1190.9	1327.0
59°	1083.6	1134.7	1254.3	1371.8	1411.4	1361.3	1239.4	1111.4	1070.5	1151.7	1294.8
60°	1045.9	1096.4	1218.0	1339.5	1381.2	1329.6	1204.7	1073.9	1030.2	1114.7	1260.9
61°	1004.3	1059.5	1184.9	1309.0	1348.7	1296.7	1172.5	1037.3	990.7	1073.0	1226.8
62°	966.7	1023.3	1150.2	1274.3	1317.7	1264.5	1138.0	998.2	951.7	1038.2	1194.0
63°	926.1	986.5	1116.7	1241.0	1283.3	1230.2	1101.3	960.5	911.6	1002.7	1160.8
64°	885.9	947.5	1081.8	1207.5	1255.0	1198.8	1068.3	923.5	871.7	962.9	1127.0
65°	847.2	911.6	1047.5	1175.1	1218.3	1162.4	1032.2	885.5	832.2	928.3	1092.0
66°	806.9	873.0	1013.6	1143.4	1191.1	1132.9	1000.6	848.0	792.9	892.1	1059.6
67°	765.6	834.4	977.9	1112.2	1154.9	1099.6	964.0	809.6	752.0	853.6	1026.5
68°	724.5	797.1	944.6	1075.1	1121.3	1065.7	928.4	775.0	710.7	816.7	992.7
69°	684.0	759.3	909.9	1043.4	1087.4	1032.4	892.2	736.0	670.6	780.3	958.5
70°	643.3	722.9	875.3	1008.3	1055.3	998.9	859.1	699.8	632.7	745.0	924.0
71°	603.5	687.2	841.9	974.6	1022.1	965.7	825.1	663.9	589.7	707.6	890.5
72°	564.1	650.0	808.5	939.2	988.6	932.5	790.3	627.5	551.6	673.0	855.9
73°	523.0	613.8	774.5	902.5	955.9	899.4	756.7	592.3	510.3	635.2	822.4
74°	483.5	578.3	741.3	870.2	920.7	864.0	722.6	555.6	470.9	600.6	789.1
75°	445.2	543.5	707.8	835.7	889.6	832.3	688.6	520.2	431.2	565.1	756.6
76°	406.0	508.8	674.3	804.3	853.2	798.4	654.6	485.3	392.6	531.8	722.7
77°	367.9	474.9	639.5	771.2	823.8	767.7	623.5	452.1	355.0	497.0	690.1
78°	329.7	441.9	607.8	738.8	787.3	731.9	588.5	417.4	317.8	462.2	654.0
79°	293.8	408.7	575.5	707.3	758.5	703.3	558.0	386.2	281.1	429.6	622.3
80°	258.6	377.3	543.2	675.2	723.4	667.8	526.1	354.8	245.8	396.8	591.1
81°	224.5	346.8	512.2	644.1	695.7	639.5	497.1	324.0	210.7	365.7	560.6
82°	191.8	317.8	482.5	613.5	662.6	608.3	466.0	295.0	178.6	334.6	527.8
83°	160.6	289.2	453.3	582.6	633.2	580.3	438.5	266.2	148.4	306.3	500.9
84°	131.9	261.9	427.1	555.0	606.4	552.7	412.8	241.8	119.4	278.3	473.3
85°	105.9	236.8	401.9	528.4	580.6	527.4	389.0	217.9	95.3	253.1	446.3
86°	82.2	213.3	377.8	503.2	557.0	503.6	365.6	196.7	73.7	229.9	422.9
87°	61.7	191.2	354.2	478.6	532.9	480.1	343.6	175.9	54.3	208.9	398.6



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CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	31.3	149.1	307.1	428.1	480.9	430.6	297.9	133.9	24.0	161.5	344.0
91°	30.3	140.7	296.7	415.6	464.8	414.9	286.1	125.9	23.4	151.7	330.3
92°	29.6	132.8	286.1	403.3	453.2	404.0	276.3	118.8	23.2	143.4	319.3
93°	28.9	125.4	275.4	390.8	438.9	390.7	266.1	111.4	23.4	134.5	307.3
94°	28.0	118.4	265.6	379.0	426.6	379.3	257.2	104.4	23.0	126.1	296.2
95°	27.7	111.7	256.1	367.8	413.2	365.9	246.3	98.1	22.2	118.5	285.2
96°	26.8	104.8	245.8	356.4	400.6	356.2	237.3	92.2	21.3	111.2	274.5
97°	26.3	98.5	236.5	344.0	388.6	343.4	227.4	86.4	20.1	103.9	262.9
98°	25.8	93.3	227.3	333.7	375.4	332.5	219.1	80.9	19.6	97.7	252.5
99°	25.3	87.5	218.0	323.2	364.4	321.9	210.0	76.2	19.1	91.0	242.2
100°	24.8	82.0	209.3	312.4	350.6	311.1	201.0	71.8	19.1	84.9	232.0
101°	24.4	77.7	200.8	301.6	340.7	301.1	192.2	66.7	19.0	79.6	222.8
102°	24.4	73.3	191.6	291.6	326.6	289.2	184.7	62.1	18.9	74.8	213.0
103°	23.9	68.7	183.9	280.4	318.6	279.1	177.1	57.7	18.9	69.6	203.7
104°	23.4	64.4	175.7	270.0	305.2	267.5	168.7	53.5	18.8	64.9	195.3
105°	22.7	60.7	168.5	260.3	296.3	258.7	161.7	49.9	18.7	60.3	186.1
106°	22.5	56.6	160.4	250.2	283.0	248.0	153.4	45.8	18.6	56.2	177.4
107°	22.2	52.3	153.3	240.5	274.8	239.4	146.6	42.3	18.5	52.0	169.1
108°	21.8	49.1	145.7	230.6	261.4	229.3	138.1	38.9	18.4	47.7	161.0
109°	21.3	45.4	138.9	221.0	254.0	220.7	131.8	35.8	17.9	44.1	153.5
110°	20.8	42.0	132.0	211.5	242.1	211.5	124.3	32.9	17.2	40.0	145.0
111°	20.3	38.9	125.3	203.1	233.5	202.9	118.4	29.9	17.2	36.9	138.1
112°	19.8	35.7	118.9	193.9	222.8	193.1	111.5	26.8	16.7	33.5	130.4
113°	19.6	32.9	112.6	185.0	214.3	184.7	105.8	24.4	16.0	29.7	123.5
114°	19.4	30.3	106.4	176.7	204.6	174.9	99.3	22.0	16.2	26.8	117.0
115°	19.1	27.8	100.5	168.6	196.6	166.9	93.9	19.6	15.8	24.2	110.1
116°	18.4	25.2	94.7	160.4	187.0	157.7	87.9	18.2	15.3	22.0	103.5
117°	18.2	23.3	88.8	152.6	178.1	150.6	82.5	16.2	15.1	19.1	96.9
118°	17.4	21.4	83.2	145.0	169.7	142.3	77.2	15.0	14.8	17.2	91.3
119°	17.0	20.4	78.7	137.3	160.6	135.2	72.6	14.6	14.5	15.5	84.8
120°	16.7	19.4	73.3	130.0	153.5	127.9	67.0	14.5	14.2	14.6	79.3
121°	16.3	18.9	68.3	123.0	144.0	120.5	62.1	14.3	13.9	14.4	74.1
122°	15.8	18.5	63.6	116.0	137.6	113.5	57.0	14.1	13.7	14.4	68.5
123°	15.8	18.2	58.7	109.3	128.6	106.6	52.6	14.1	13.4	13.9	62.9
124°	15.0	18.0	53.9	102.7	122.4	99.7	47.4	13.8	12.5	13.7	57.8
125°	14.3	17.7	49.5	96.2	113.2	93.3	43.2	12.4	12.2	12.7	52.9
126°	13.9	17.3	44.7	89.6	107.4	86.7	38.5	12.4	11.5	12.7	47.7
127°	13.4	16.8	40.7	83.4	99.3	80.5	34.8	11.9	11.5	12.2	43.1
128°	13.1	16.3	36.3	78.0	93.6	75.0	31.0	11.7	11.1	12.0	38.5
129°	13.1	15.6	32.7	71.6	85.5	68.9	26.8	11.7	10.7	11.5	33.9
130°	12.4	15.3	28.9	66.3	80.8	63.5	23.4	11.4	10.3	11.3	29.8
131°	12.2	14.9	25.3	60.5	74.0	57.5	19.9	11.7	10.0	10.8	25.8
132°	11.7	14.6	21.8	55.0	68.6	52.1	16.9	11.2	9.6	11.0	21.9



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	10.8	13.4	14.4	40.1	50.6	37.1	10.4	10.5	8.1	10.5	12.0
136°	10.7	13.0	13.5	35.4	45.6	32.5	9.7	9.6	8.1	9.6	10.8
137°	10.3	12.7	13.2	30.9	39.9	27.9	9.2	8.8	8.1	8.9	10.1
138°	10.3	12.3	13.0	27.0	34.9	23.9	8.7	8.1	8.1	8.6	9.1
139°	9.8	11.9	12.5	22.7	30.0	19.9	8.4	8.1	8.0	8.1	8.7
140°	9.6	11.5	12.3	19.1	25.8	16.2	8.2	7.6	8.0	8.1	8.4
141°	9.6	11.0	11.6	15.6	21.3	12.9	8.0	7.5	8.0	8.1	7.7
142°	9.1	10.6	11.3	13.2	16.9	10.7	7.9	7.4	8.0	8.0	7.5
143°	9.1	10.3	11.3	12.1	13.8	8.7	7.8	7.2	7.9	7.9	7.2
144°	8.6	10.1	10.8	11.6	10.2	8.5	7.8	7.1	7.9	7.8	7.0
145°	8.4	9.8	10.6	11.3	8.2	8.2	7.7	6.9	7.9	7.8	6.7
146°	8.1	9.3	10.2	11.1	7.8	8.0	7.6	6.8	7.4	7.7	6.8
147°	7.9	9.1	9.9	10.9	7.5	8.0	7.5	6.7	7.2	7.6	6.8
148°	7.7	9.1	9.6	10.6	7.3	7.9	7.5	6.6	7.4	7.6	6.8
149°	7.6	8.9	9.2	10.4	7.0	7.8	7.4	6.7	6.9	7.5	6.9
150°	7.4	8.4	9.2	9.9	7.3	7.7	7.4	6.7	6.9	7.4	6.9
151°	7.4	8.4	9.1	9.9	7.0	7.6	7.4	6.7	6.2	7.3	6.9
152°	6.9	8.2	9.0	9.6	6.8	7.5	7.3	6.7	6.2	7.4	7.0
153°	7.2	7.7	9.0	9.6	6.5	7.4	7.3	6.7	6.2	7.5	7.0
154°	7.1	7.7	8.9	8.9	6.5	7.3	7.3	6.8	6.2	7.5	7.0
155°	7.1	7.7	8.9	8.8	6.5	7.2	7.2	6.8	6.2	7.6	7.0
156°	7.1	7.7	8.9	8.7	6.5	7.1	7.2	6.8	6.2	7.6	7.1
157°	7.0	7.7	8.9	8.6	6.5	7.0	7.2	6.8	6.2	7.7	7.1
158°	7.0	7.7	8.9	8.5	6.4	7.0	7.1	6.9	6.2	7.7	7.1
159°	7.0	7.8	8.8	8.4	6.4	7.0	7.1	6.9	6.2	7.8	7.2
160°	7.1	7.8	8.8	8.4	6.4	6.9	7.1	6.9	6.2	7.9	7.2
161°	7.1	7.8	8.8	8.7	6.4	6.9	7.0	6.9	7.1	7.9	7.5
162°	7.1	7.8	8.8	8.2	6.3	6.9	7.0	7.4	7.9	8.4	8.2
163°	7.1	7.8	8.7	8.0	6.4	6.8	7.0	7.9	8.4	8.6	8.7
164°	7.2	7.8	8.7	7.9	6.4	6.8	7.2	8.1	8.8	8.9	8.9
165°	7.2	7.9	8.7	7.8	6.4	6.8	7.5	8.3	9.3	8.9	9.4
166°	7.4	7.9	8.7	7.8	6.4	6.8	7.7	8.6	9.6	8.9	9.9
167°	7.4	7.9	8.6	7.7	6.5	6.7	7.7	8.6	10.3	8.9	10.1
168°	8.1	7.9	8.6	7.6	6.5	6.7	7.7	8.6	10.7	8.9	10.1
169°	8.1	8.1	8.6	7.5	6.5	6.7	7.7	8.6	11.2	9.0	10.2
170°	8.4	8.6	8.6	7.5	6.6	6.6	7.7	8.7	11.7	9.0	10.2
171°	8.2	8.9	8.6	7.4	6.6	6.6	7.7	8.7	11.7	9.0	10.3
172°	8.3	9.3	8.5	7.4	6.7	6.6	7.7	8.7	11.6	9.0	10.3
173°	8.5	9.8	8.5	7.4	6.7	6.5	7.7	8.7	11.6	9.0	10.4
174°	8.6	10.1	8.5	7.4	6.8	7.0	7.7	8.8	11.6	9.1	10.4
175°	8.8	10.1	8.5	7.4	6.8	7.0	8.2	8.8	11.5	9.1	10.5
176°	8.9	10.1	8.4	7.5	7.3	7.3	8.0	8.8	11.5	9.1	10.5
177°	9.1	10.3	8.4	7.5	7.5	7.5	8.0	8.8	11.5	9.1	10.6



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2569.7	2569.7	2569.7	2569.7	2569.7	2569.7
1°	2571.3	2570.5	2572.1	2567.3	2569.9	2569.9
2°	2572.1	2569.5	2573.1	2563.5	2567.7	2569.9
3°	2570.7	2564.5	2570.3	2566.5	2566.9	2568.5
4°	2566.1	2561.9	2567.7	2565.5	2556.9	2560.9
5°	2563.3	2560.7	2563.1	2561.1	2556.3	2554.3
6°	2557.1	2557.9	2558.1	2557.1	2552.3	2545.5
7°	2551.7	2552.9	2555.7	2554.1	2546.9	2540.7
8°	2546.1	2548.9	2551.9	2548.1	2538.9	2532.9
9°	2537.7	2541.1	2542.9	2543.3	2527.7	2526.3
10°	2531.7	2534.7	2535.1	2534.9	2519.3	2512.9
11°	2521.3	2526.1	2526.7	2526.7	2505.1	2507.3
12°	2513.1	2516.3	2514.9	2515.7	2496.1	2492.3
13°	2503.9	2502.5	2510.7	2503.9	2484.3	2475.9
14°	2490.5	2492.9	2502.1	2492.7	2465.9	2462.5
15°	2479.1	2484.5	2491.1	2482.3	2452.9	2446.7
16°	2466.7	2471.7	2475.9	2467.5	2439.3	2431.7
17°	2454.5	2457.7	2464.7	2451.7	2417.9	2411.9
18°	2439.7	2443.7	2448.1	2435.3	2401.5	2393.3
19°	2425.7	2429.7	2435.7	2419.1	2381.5	2376.5
20°	2410.1	2415.3	2422.5	2402.3	2363.9	2355.5
21°	2389.7	2398.1	2404.7	2383.5	2343.3	2334.9
22°	2375.1	2383.7	2387.9	2362.9	2320.9	2312.3
23°	2358.1	2365.9	2370.7	2344.7	2299.3	2290.3
24°	2339.1	2349.1	2352.7	2326.1	2276.5	2266.7
25°	2323.1	2327.7	2330.1	2306.5	2253.7	2241.3
26°	2300.9	2311.5	2311.1	2283.9	2229.7	2217.1
27°	2282.3	2292.7	2289.3	2259.7	2205.5	2190.3
28°	2261.1	2273.1	2270.3	2235.5	2181.3	2162.9
29°	2239.9	2251.1	2249.5	2211.9	2156.5	2132.5
30°	2218.1	2233.1	2227.7	2187.5	2130.1	2104.1
31°	2195.1	2210.3	2205.1	2159.9	2100.9	2074.7
32°	2171.5	2186.9	2182.9	2136.3	2073.9	2045.9
33°	2149.7	2164.1	2160.3	2112.1	2044.9	2015.9
34°	2124.9	2143.3	2138.1	2084.7	2014.3	1984.9
35°	2099.7	2119.7	2114.7	2056.3	1983.1	1951.3
36°	2075.3	2094.1	2087.9	2029.3	1954.0	1919.6
37°	2050.7	2072.1	2063.3	2000.1	1923.7	1889.8
38°	2025.7	2048.7	2038.1	1972.4	1889.1	1857.5
39°	1998.7	2025.7	2014.7	1945.3	1858.8	1822.9
40°	1972.1	2001.7	1987.9	1913.4	1825.8	1788.9
41°	1945.8	1974.5	1963.0	1881.9	1792.8	1754.2
42°	1921.2	1949.0	1934.6	1851.8	1760.3	1719.9



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1838.9	1870.9	1850.5	1756.8	1659.2	1615.0
46°	1812.1	1843.7	1822.3	1726.4	1623.8	1578.5
47°	1785.4	1817.7	1795.9	1694.5	1589.3	1541.5
48°	1756.8	1789.4	1765.9	1660.9	1553.9	1504.3
49°	1728.5	1761.6	1738.6	1629.7	1518.0	1465.9
50°	1700.2	1734.5	1707.3	1596.9	1484.0	1429.6
51°	1669.8	1707.9	1678.0	1566.1	1447.4	1389.9
52°	1638.3	1680.0	1645.3	1534.8	1410.9	1351.9
53°	1608.9	1650.6	1615.1	1499.7	1374.8	1315.9
54°	1578.4	1623.2	1584.7	1465.9	1338.3	1279.3
55°	1549.5	1595.3	1555.9	1431.2	1302.5	1240.8
56°	1518.7	1567.2	1528.1	1397.7	1265.9	1199.9
57°	1488.4	1537.1	1496.6	1366.4	1229.7	1162.9
58°	1455.6	1506.2	1463.5	1332.7	1191.9	1123.5
59°	1426.4	1477.6	1431.5	1299.0	1154.3	1083.6
60°	1394.7	1447.0	1399.4	1265.2	1118.0	1045.9
61°	1361.4	1413.7	1365.6	1231.4	1078.4	1004.3
62°	1329.4	1385.5	1332.5	1196.5	1042.0	966.7
63°	1296.7	1353.5	1302.7	1165.0	1004.8	926.1
64°	1266.6	1321.5	1269.7	1130.7	966.5	885.9
65°	1231.9	1290.5	1236.0	1095.9	930.2	847.2
66°	1202.9	1257.3	1204.0	1062.9	893.1	806.9
67°	1167.2	1224.8	1171.5	1027.8	854.3	765.6
68°	1133.8	1193.1	1137.6	991.0	816.9	724.5
69°	1102.0	1161.9	1105.6	959.8	781.7	684.0
70°	1067.1	1128.0	1072.0	923.5	746.5	643.3
71°	1035.6	1095.1	1040.3	889.0	709.2	603.5
72°	1002.0	1062.0	1006.2	854.5	673.4	564.1
73°	968.3	1027.3	971.5	820.5	636.3	523.0
74°	935.6	995.4	938.4	786.9	600.5	483.5
75°	903.0	958.3	906.6	750.7	565.4	445.2
76°	869.2	925.0	873.7	718.4	530.5	406.0
77°	838.5	888.5	839.1	685.3	496.2	367.9
78°	803.8	853.0	808.4	651.9	461.0	329.7
79°	774.2	818.4	774.9	620.5	428.8	293.8
80°	741.1	783.5	742.1	588.6	396.1	258.6
81°	710.2	750.4	709.2	559.6	364.2	224.5
82°	678.5	717.4	678.1	529.3	334.0	191.8
83°	649.0	686.8	647.7	499.9	305.8	160.6
84°	619.3	656.7	617.6	472.0	277.6	131.9
85°	591.4	628.3	590.4	445.3	252.2	105.9
86°	567.5	602.1	564.3	419.9	228.0	82.2
87°	543.6	577.3	538.6	395.4	204.1	61.7



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	486.2	514.5	476.3	338.1	156.5	31.3
91°	469.4	499.2	461.4	326.1	147.4	30.3
92°	456.4	484.3	447.3	314.3	138.9	29.6
93°	441.9	471.5	433.8	303.0	130.8	28.9
94°	428.5	458.0	420.8	292.0	122.6	28.0
95°	413.9	445.0	408.0	280.0	115.7	27.7
96°	401.1	431.9	393.6	269.4	108.6	26.8
97°	386.6	419.3	381.3	259.3	101.7	26.3
98°	374.0	407.0	369.3	249.9	95.3	25.8
99°	361.6	394.9	357.2	239.6	89.2	25.3
100°	349.0	382.8	345.9	229.5	83.6	24.8
101°	336.7	371.3	333.6	220.1	79.3	24.4
102°	324.9	360.1	322.1	210.6	74.1	24.4
103°	313.6	348.5	310.2	201.7	69.6	23.9
104°	301.1	336.8	299.1	192.9	64.7	23.4
105°	290.0	327.7	287.2	184.4	60.7	22.7
106°	278.1	316.7	276.8	175.5	56.0	22.5
107°	267.5	305.5	266.8	167.2	51.9	22.2
108°	255.7	293.3	257.3	159.0	48.6	21.8
109°	246.7	283.0	247.3	151.4	45.0	21.3
110°	235.3	271.9	236.9	143.6	41.6	20.8
111°	226.5	260.7	227.0	136.1	38.4	20.3
112°	216.1	249.9	217.1	129.5	35.5	19.8
113°	207.3	239.4	207.3	122.5	32.6	19.6
114°	197.8	229.4	197.6	115.7	29.7	19.4
115°	188.8	219.5	188.7	108.6	27.4	19.1
116°	179.3	209.4	180.0	102.8	24.8	18.4
117°	170.7	200.2	171.4	96.5	22.9	18.2
118°	161.7	191.3	163.1	90.7	21.7	17.4
119°	153.7	181.8	154.8	85.0	21.0	17.0
120°	145.8	173.0	146.5	79.9	20.3	16.7
121°	137.2	164.4	138.6	74.3	20.0	16.3
122°	130.0	155.5	131.4	69.2	19.8	15.8
123°	121.9	147.1	123.1	63.9	19.3	15.8
124°	114.4	139.3	116.0	59.0	19.1	15.0
125°	107.5	131.4	108.6	54.0	18.8	14.3
126°	99.9	123.3	101.5	49.2	18.1	13.9
127°	93.6	115.7	94.7	44.8	17.9	13.4
128°	86.9	108.6	87.8	40.3	17.4	13.1
129°	80.1	101.2	81.7	35.9	16.9	13.1
130°	74.5	94.0	75.6	32.1	16.7	12.4
131°	68.3	87.4	69.4	28.2	16.2	12.2
132°	62.2	80.9	63.4	24.9	15.5	11.7



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	45.1	62.0	46.3	16.2	14.3	10.8
136°	39.3	56.1	41.5	15.0	14.1	10.7
137°	34.2	50.4	36.6	14.7	13.6	10.3
138°	29.6	44.7	31.6	14.5	13.3	10.3
139°	24.9	39.4	27.0	14.0	12.6	9.8
140°	20.9	34.5	23.1	13.8	12.4	9.6
141°	16.2	29.6	19.2	13.0	12.1	9.6
142°	12.5	24.8	15.8	12.8	11.7	9.1
143°	11.1	20.7	13.8	12.3	11.2	9.1
144°	9.4	16.9	13.1	11.8	10.7	8.6
145°	8.7	14.1	12.8	11.6	10.5	8.4
146°	8.4	13.1	12.5	11.1	10.5	8.1
147°	8.0	12.1	12.2	10.9	10.0	7.9
148°	7.9	11.9	11.9	10.6	9.5	7.7
149°	7.8	11.4	11.6	10.1	9.5	7.6
150°	7.7	11.2	11.2	9.9	9.1	7.4
151°	7.6	10.9	10.9	9.7	9.3	7.4
152°	7.5	10.7	10.7	9.2	9.1	6.9
153°	7.4	10.7	10.7	9.2	9.0	7.2
154°	7.3	10.2	10.5	9.1	8.9	7.1
155°	7.2	9.7	10.3	9.1	8.9	7.1
156°	6.3	9.6	10.1	9.1	8.8	7.1
157°	6.5	9.5	9.9	9.1	8.8	7.0
158°	6.3	9.5	9.7	9.1	8.7	7.0
159°	6.3	9.4	9.5	9.0	8.7	7.0
160°	6.5	9.3	9.4	9.0	8.6	7.1
161°	6.7	9.2	9.3	9.0	8.6	7.1
162°	7.0	8.7	9.1	9.0	8.5	7.1
163°	7.2	9.0	9.0	9.0	8.5	7.1
164°	7.5	8.7	8.9	8.9	8.4	7.2
165°	7.7	8.6	8.7	8.9	8.3	7.2
166°	8.0	8.5	8.6	8.9	8.8	7.4
167°	8.2	8.4	8.6	8.9	9.3	7.4
168°	8.2	8.3	8.5	8.9	9.8	8.1
169°	8.2	8.2	8.5	8.8	10.0	8.1
170°	8.3	7.8	8.4	8.8	11.2	8.4
171°	8.3	8.0	8.4	8.8	11.0	8.2
172°	8.3	7.8	8.3	8.8	11.2	8.3
173°	8.3	7.8	8.3	8.8	11.2	8.5
174°	8.4	7.5	8.0	8.7	11.2	8.6
175°	8.4	7.3	8.0	8.7	11.2	8.8
176°	8.4	7.3	8.0	8.7	11.2	8.9
177°	8.4	7.5	8.0	8.7	11.2	9.1



TEST NUMBER: P861207

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.1	9.1	9.1	9.1	9.1	9.1



Report Generated By 670246072 / DESKTOP-50001EG





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







43°	1685.0	1714.0	1779.7	1854.7	1876.9	1848.1	1770.9	1698.6	1672.7	1723.5	1804.9
44°	1650.2	1680.4	1746.9	1826.1	1850.0	1820.6	1741.9	1663.2	1636.6	1691.5	1776.1



88°	46.5	174.6	335.2	459.0	514.1	462.0	326.3	158.6	39.2	190.5	377.9
89°	36.0	159.6	320.4	442.3	494.0	443.1	309.6	144.2	28.8	174.0	358.8



133°	11.5	14.1	18.8	49.9	62.3	47.1	14.3	10.7	8.6	11.0	18.5
134°	11.2	13.4	16.1	44.8	56.9	41.7	11.8	10.7	8.1	10.8	14.9



178°	9.1	10.3	8.4	7.5	7.5	7.8	8.0	8.8	11.5	9.1	10.6
179°	9.1	10.3	8.4	7.5	7.5	8.0	8.0	8.8	11.5	9.1	10.6





43°	1894.4	1923.4	1906.6	1822.2	1725.9	1685.0
44°	1866.0	1898.4	1878.9	1790.6	1692.5	1650.2



88°	523.3	553.2	514.9	373.4	185.2	46.5
89°	502.1	532.2	494.2	354.4	169.4	36.0



133°	57.0	74.6	57.5	21.2	15.3	11.5
134°	50.2	68.2	52.0	18.3	15.0	11.2



178°	8.4	7.5	8.0	8.7	11.2	9.1
179°	8.4	7.5	8.0	8.7	11.2	9.1



(END OF REPORT)