

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600976

Luminaire Tested: 8APVTL-D-SL3C3 LO POWER 4000K 277V

Issue Date: 1/11/2023

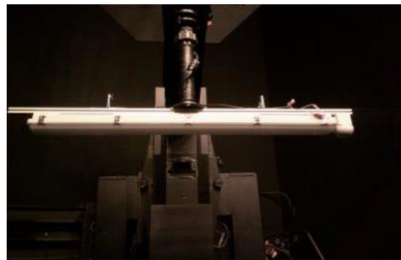
Test Information

Test Method: LM-79-2019
Report Number: P600976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (NTCLR22090026)
Test Lab: INNOVATION CENTER
Issue Date: 1/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8APVTLD-SL3C3 LO POWER 4000K 277V
Description: LOW POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

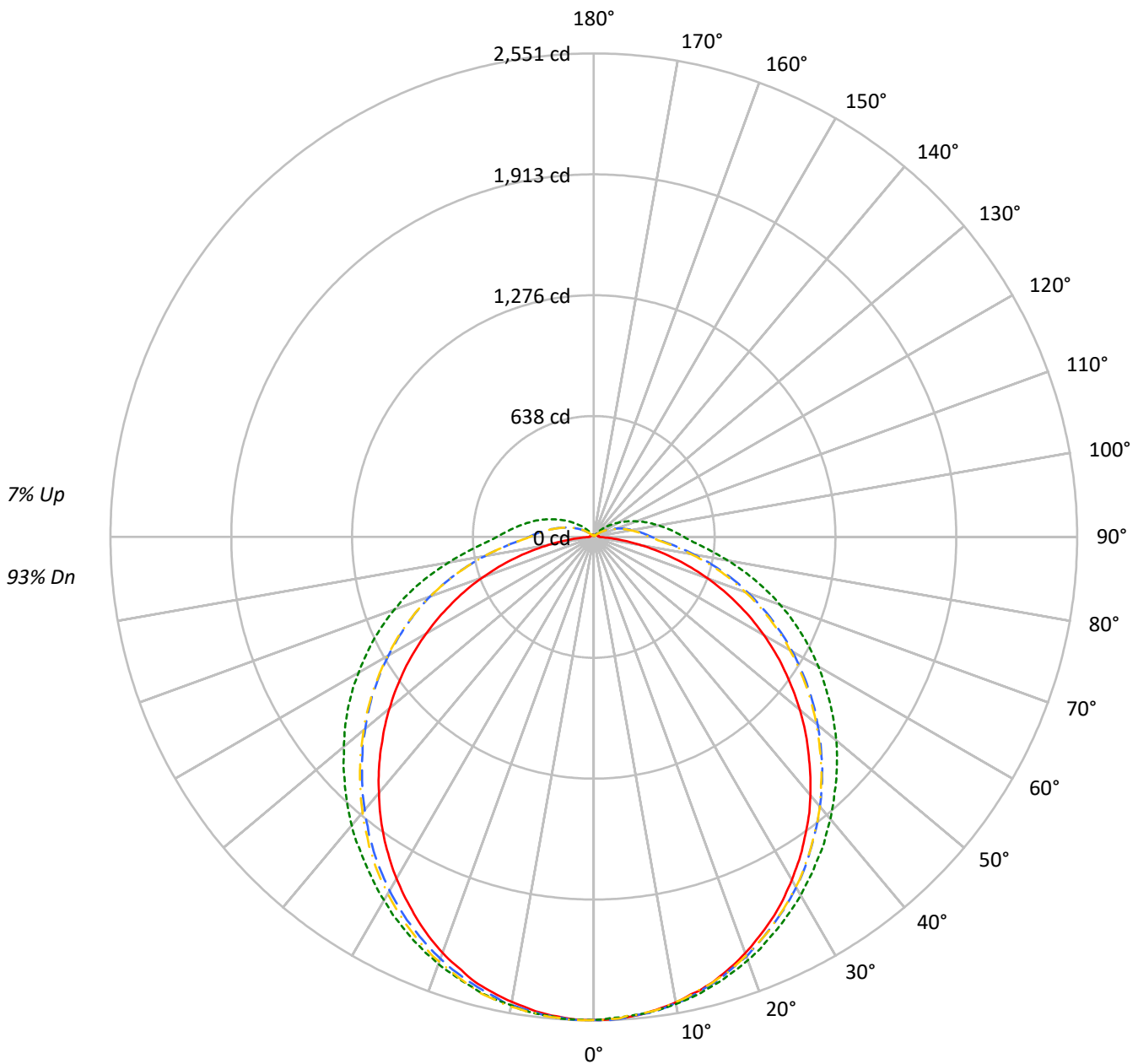
Lumens per Lamp: N/A
Luminaire Lumens: 8657.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): 277
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: 24 FT



TEST NUMBER: P600976
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 277V

Luminous Intensity Polar Plot



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



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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°	10289	10289	10289	10289
5°	10264	10037	10262	10066
10°	10203	9825	10192	9850
15°	10133	9591	10124	9642
20°	10002	9358	9989	9444
25°	9860	9119	9828	9230
30°	9683	8897	9645	9016
35°	9490	8660	9451	8816
40°	9291	8463	9213	8657
45°	9049	8265	8983	8484
50°	8803	8082	8727	8334
55°	8524	7889	8464	8225
60°	8230	7715	8110	8079
65°	7851	7519	7688	7972
70°	7352	7325	7159	7827
75°	6635	7114	6418	7677
80°	5656	6915	5338	7476
85°	4399	6896	3911	7497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 12206 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	2.8
10°-20°	689.3	8.0
20°-30°	1042.5	12.0
30°-40°	1260.2	14.6
40°-50°	1326.3	15.3
50°-60°	1245.9	14.4
60°-70°	1039.1	12.0
70°-80°	741.1	8.6
80°-90°	434.0	5.0
90°-100°	270.1	3.1
100°-110°	177.5	2.1
110°-120°	104.3	1.2
120°-130°	53.1	0.6
130°-140°	20.3	0.2
140°-150°	6.4	0.1
150°-160°	3.7	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	1972.9	22.8
0°-40°	3233.0	37.3
0°-60°	5805.2	67.1
0°-90°	8019.4	92.6
90°-120°	551.9	6.4
90°-150°	631.7	7.3
90°-180°	639.0	7.4
0°-180°	8657.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2549	2549	2549	2549	2549	
5°	2536	2531	2535	2539	2536	241
15°	2432	2449	2430	2462	2432	685
25°	2225	2286	2218	2314	2225	1024
35°	1940	2065	1932	2102	1940	1214
45°	1602	1810	1590	1858	1602	1236
55°	1229	1521	1221	1586	1229	1100
65°	840	1209	823	1282	840	831
75°	442	882	428	952	442	469
85°	106	574	94	624	106	118
90°	32	476	24	510	32	19
95°	27	410	22	441	27	22
105°	23	293	18	325	23	24
115°	19	194	16	218	19	19
125°	14	112	12	131	14	13
135°	11	50	8	62	11	9
145°	8	8	6	14	8	5
155°	7	7	7	10	7	3
165°	8	6	10	8	8	2
175°	10	7	11	7	10	1
180°	10	10	10	10	10	



TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9
1°	2549.1	2545.3	2551.0	2545.7	2545.5	2551.0	2548.3	2545.1	2548.9	2547.9	2549.8
2°	2546.7	2545.5	2549.6	2543.0	2540.8	2545.3	2545.3	2543.0	2548.9	2544.7	2550.0
3°	2545.5	2547.7	2547.1	2542.4	2539.3	2548.3	2544.7	2542.2	2544.9	2544.0	2549.1
4°	2540.6	2543.8	2542.6	2537.3	2535.1	2539.3	2533.4	2535.3	2539.4	2538.5	2541.2
5°	2535.5	2540.6	2534.2	2533.0	2531.2	2533.6	2532.2	2529.6	2534.9	2534.5	2538.1
6°	2530.0	2532.6	2529.8	2529.6	2528.5	2530.4	2526.3	2523.4	2528.5	2530.0	2537.5
7°	2521.0	2523.8	2529.5	2524.2	2522.8	2522.6	2522.0	2514.8	2522.4	2525.3	2526.3
8°	2512.4	2517.3	2518.9	2515.7	2517.1	2516.1	2514.6	2507.1	2510.1	2515.9	2520.8
9°	2504.4	2508.7	2509.3	2505.5	2510.1	2510.1	2501.8	2500.4	2500.6	2507.1	2513.6
10°	2493.8	2495.5	2497.3	2499.3	2502.8	2503.2	2491.6	2492.8	2491.2	2498.5	2507.3
11°	2481.4	2486.9	2491.2	2489.5	2493.6	2489.5	2483.0	2480.1	2480.3	2486.9	2500.1
12°	2467.3	2469.9	2476.9	2477.5	2485.0	2478.9	2470.5	2468.1	2468.1	2474.0	2483.4
13°	2459.7	2459.7	2464.4	2465.8	2474.6	2470.3	2454.8	2452.0	2456.0	2457.1	2470.7
14°	2444.6	2447.1	2450.1	2454.8	2460.1	2456.2	2445.2	2439.1	2443.0	2444.0	2459.5
15°	2431.5	2429.9	2438.1	2442.0	2448.9	2441.5	2433.6	2425.4	2429.5	2432.2	2444.8
16°	2412.7	2416.4	2425.2	2427.2	2436.4	2428.5	2416.6	2403.8	2410.9	2416.0	2433.6
17°	2394.8	2398.3	2404.8	2412.7	2421.3	2416.6	2405.2	2389.3	2390.1	2400.5	2416.6
18°	2377.4	2383.8	2388.2	2395.4	2406.8	2401.9	2387.2	2371.3	2372.3	2382.1	2401.9
19°	2357.2	2362.7	2372.9	2384.4	2393.1	2385.4	2368.9	2348.6	2355.4	2363.3	2385.6
20°	2337.4	2341.7	2355.6	2366.8	2376.8	2368.8	2351.3	2331.7	2334.3	2341.1	2368.2
21°	2316.2	2318.0	2333.9	2347.8	2361.1	2349.5	2331.5	2311.3	2313.3	2321.9	2349.2
22°	2293.1	2298.2	2315.6	2332.3	2343.9	2333.9	2312.3	2292.3	2290.6	2302.9	2330.5
23°	2270.2	2276.3	2293.1	2311.1	2322.9	2314.5	2293.3	2270.6	2266.5	2280.2	2310.9
24°	2247.6	2256.3	2271.2	2291.5	2302.9	2292.7	2274.1	2246.7	2242.3	2256.7	2290.4
25°	2224.7	2232.6	2250.4	2274.9	2286.1	2272.9	2249.4	2222.2	2217.5	2234.5	2268.8
26°	2200.4	2206.7	2227.8	2252.3	2267.2	2254.5	2226.1	2198.5	2190.2	2209.8	2249.2
27°	2174.7	2181.2	2207.3	2230.4	2244.9	2236.1	2204.1	2170.2	2163.6	2182.4	2226.1
28°	2146.1	2157.5	2183.4	2208.4	2225.3	2213.1	2181.6	2144.8	2137.7	2157.1	2202.6
29°	2118.1	2131.8	2159.6	2189.2	2205.7	2190.4	2156.1	2118.7	2108.9	2132.0	2178.9
30°	2089.9	2100.3	2135.2	2166.7	2184.3	2166.7	2132.4	2092.6	2081.8	2103.4	2155.1
31°	2060.9	2073.8	2111.0	2144.4	2158.5	2144.8	2108.5	2062.1	2054.2	2075.8	2128.9
32°	2032.7	2045.8	2084.8	2119.1	2136.1	2121.8	2081.5	2033.4	2024.0	2048.9	2103.6
33°	2004.0	2017.2	2057.9	2094.8	2114.6	2094.0	2053.4	2007.8	1992.5	2019.3	2078.7
34°	1972.1	1986.6	2028.5	2071.5	2089.5	2070.3	2026.6	1974.5	1962.7	1990.9	2052.1
35°	1939.9	1957.5	2000.1	2046.6	2065.2	2044.2	1999.1	1943.5	1931.9	1960.5	2025.6
36°	1908.7	1929.1	1971.7	2020.7	2044.8	2021.7	1969.9	1914.0	1899.2	1930.4	1996.6
37°	1878.4	1900.3	1943.7	1995.0	2020.3	1994.6	1940.1	1885.3	1867.4	1900.1	1970.5
38°	1847.3	1865.1	1916.0	1968.8	1991.3	1967.2	1914.2	1848.9	1832.9	1869.9	1938.2
39°	1811.6	1834.7	1886.9	1942.0	1967.6	1942.9	1885.8	1815.1	1798.8	1839.8	1911.2
40°	1778.7	1802.7	1856.9	1918.1	1943.0	1916.2	1855.9	1784.4	1763.8	1808.5	1880.5
41°	1742.2	1769.5	1828.7	1891.9	1915.2	1889.3	1823.1	1752.6	1730.9	1777.2	1851.6
42°	1708.0	1735.0	1795.3	1863.2	1890.8	1861.3	1791.1	1718.6	1696.3	1742.6	1823.9
43°	1671.7	1701.5	1767.0	1836.7	1859.9	1833.6	1760.5	1684.8	1662.0	1708.2	1792.2
44°	1636.6	1668.6	1734.5	1808.1	1835.9	1805.3	1730.1	1648.1	1626.0	1678.4	1760.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1601.7	1634.6	1705.6	1782.1	1809.9	1776.5	1696.1	1613.6	1590.1	1642.9	1730.1
46°	1566.1	1598.7	1671.3	1752.9	1781.9	1748.2	1665.5	1579.2	1552.4	1608.6	1701.0
47°	1530.7	1563.8	1638.6	1724.9	1754.2	1718.8	1630.3	1544.0	1519.1	1572.0	1668.8
48°	1494.4	1528.4	1609.1	1695.6	1727.8	1691.6	1597.6	1507.6	1481.5	1537.7	1642.2
49°	1457.5	1493.6	1575.3	1666.9	1699.9	1660.9	1564.3	1470.4	1445.5	1500.8	1606.4
50°	1419.3	1456.5	1542.1	1635.9	1670.4	1630.6	1533.3	1435.6	1407.0	1465.5	1574.0
51°	1382.2	1417.8	1512.3	1604.5	1641.3	1602.2	1500.8	1399.4	1369.3	1429.1	1545.2
52°	1343.6	1384.5	1479.4	1576.3	1610.5	1569.8	1465.5	1361.9	1332.5	1396.2	1512.2
53°	1305.6	1348.2	1446.4	1548.1	1582.0	1540.1	1434.7	1325.9	1293.8	1359.0	1480.7
54°	1267.4	1312.1	1413.1	1515.9	1551.2	1509.1	1399.5	1288.7	1256.3	1322.8	1449.4
55°	1229.3	1275.3	1379.4	1482.6	1521.2	1479.8	1366.4	1252.0	1220.6	1286.2	1417.1
56°	1193.8	1237.5	1346.5	1451.6	1488.1	1445.6	1332.2	1216.0	1179.5	1250.2	1383.1
57°	1154.4	1200.4	1311.2	1422.9	1459.4	1416.3	1298.7	1178.6	1140.8	1214.5	1350.7
58°	1115.7	1163.9	1277.9	1388.8	1429.7	1384.2	1264.1	1142.3	1100.9	1175.4	1318.8
59°	1076.9	1125.3	1244.5	1358.4	1401.1	1352.6	1231.0	1104.0	1062.0	1140.0	1284.3
60°	1037.8	1086.5	1210.0	1326.9	1369.5	1318.5	1196.1	1064.1	1022.7	1104.6	1251.5
61°	998.0	1049.0	1177.0	1293.2	1336.9	1287.7	1164.2	1027.6	983.1	1067.1	1217.9
62°	960.1	1012.0	1144.1	1262.5	1307.0	1256.2	1129.8	989.3	944.8	1029.4	1184.0
63°	920.0	975.2	1107.2	1226.7	1274.7	1221.2	1092.9	952.7	903.5	994.9	1151.4
64°	879.4	938.4	1073.3	1195.5	1243.8	1190.2	1058.8	915.5	862.3	957.7	1117.6
65°	840.4	900.2	1039.8	1164.7	1209.3	1154.8	1025.2	878.5	822.9	920.1	1083.6
66°	800.4	864.3	1006.6	1132.3	1178.3	1124.1	991.7	839.8	784.2	884.5	1052.5
67°	761.0	826.9	970.5	1101.0	1145.2	1090.8	956.1	804.5	745.2	848.4	1020.1
68°	720.7	790.4	935.8	1065.3	1114.4	1057.2	921.9	767.6	704.6	811.3	986.1
69°	681.3	753.7	903.2	1032.5	1079.9	1024.1	887.5	731.2	665.7	774.7	952.2
70°	640.8	717.2	869.4	997.4	1047.0	990.4	852.2	694.8	624.0	739.7	918.8
71°	599.6	681.5	834.8	965.2	1014.7	956.6	817.7	658.1	583.7	703.3	884.0
72°	560.0	644.7	803.2	932.0	981.4	924.0	783.7	622.4	545.5	667.2	851.9
73°	520.1	608.3	769.0	895.0	947.3	891.1	750.0	585.1	506.3	631.3	817.0
74°	481.4	573.8	735.2	860.6	913.5	858.5	716.4	552.8	466.2	596.3	784.5
75°	442.0	538.2	701.0	826.5	881.7	826.2	682.7	515.8	427.5	560.3	749.3
76°	404.1	504.0	668.6	795.7	846.7	791.0	649.3	480.5	389.4	526.5	716.6
77°	366.2	471.0	635.7	764.9	815.6	761.4	618.0	446.9	351.5	492.1	683.6
78°	328.9	438.0	602.6	732.4	781.8	724.9	582.8	414.5	314.2	458.4	649.8
79°	292.6	405.6	570.2	700.3	751.9	697.2	553.7	382.5	278.0	425.8	617.5
80°	257.7	374.2	539.6	667.2	719.3	663.1	521.4	351.1	243.2	393.0	585.0
81°	223.5	344.3	508.6	637.7	688.1	634.8	493.0	321.3	209.7	362.9	555.5
82°	191.2	315.0	479.0	606.6	656.8	604.8	462.8	291.9	176.9	331.1	524.5
83°	160.6	287.0	450.6	577.7	628.0	576.5	435.2	264.7	145.9	303.6	496.1
84°	132.2	259.8	423.9	549.0	602.3	547.6	408.9	239.2	118.2	275.9	469.0
85°	106.3	234.7	399.1	523.5	574.4	522.9	385.2	215.9	94.5	250.1	443.6
86°	82.7	210.8	374.8	498.6	550.9	499.3	362.2	194.1	72.9	227.2	419.7
87°	62.1	190.0	351.2	474.1	526.7	476.7	340.4	174.3	53.5	206.8	396.4
88°	46.7	172.6	332.1	454.4	509.3	459.2	323.5	156.5	38.6	189.0	375.0
89°	36.2	158.1	318.2	437.2	489.1	439.9	307.5	142.7	28.4	172.5	356.7



TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	31.5	147.7	305.0	423.6	476.2	427.4	295.4	132.9	23.9	159.6	342.6
91°	30.1	139.8	294.5	410.2	460.8	412.4	282.9	124.7	23.0	150.2	329.6
92°	29.4	131.8	283.7	398.0	449.1	401.7	275.3	117.7	22.5	142.0	318.1
93°	28.7	124.5	273.5	386.8	434.0	387.6	264.9	110.1	22.0	133.5	306.1
94°	27.9	117.5	263.4	374.7	422.2	376.9	254.7	103.9	22.0	125.1	295.2
95°	27.2	110.7	253.8	363.9	409.8	363.8	244.8	97.2	21.6	117.1	283.0
96°	27.0	103.6	244.4	352.7	396.2	353.3	236.3	91.4	20.1	110.2	272.5
97°	26.0	97.9	235.1	340.9	385.2	340.0	225.6	85.8	19.9	103.0	261.2
98°	25.6	92.2	225.4	330.9	371.7	330.2	217.3	80.3	19.4	96.5	251.2
99°	25.1	86.6	216.7	321.0	360.4	319.6	208.3	75.6	19.2	90.2	241.0
100°	24.6	81.7	207.5	310.1	347.9	309.3	199.1	71.0	18.5	84.2	230.4
101°	24.4	77.3	199.2	299.5	337.4	298.1	190.7	65.8	18.5	78.4	221.5
102°	24.4	72.8	190.8	288.0	324.5	287.5	182.8	61.7	18.5	73.9	210.8
103°	23.9	68.3	182.4	278.2	315.8	276.9	175.9	57.4	18.4	69.0	202.3
104°	23.4	64.1	174.5	267.7	302.6	265.7	167.7	53.1	18.4	64.3	193.8
105°	23.0	60.1	167.0	257.4	293.4	256.4	160.1	49.4	18.3	59.8	184.7
106°	22.5	55.8	159.4	247.1	281.4	245.8	152.2	45.8	18.3	55.5	176.6
107°	21.8	52.4	152.2	238.2	272.1	237.5	145.2	42.2	18.2	51.4	167.9
108°	21.3	48.9	144.6	228.2	260.5	227.2	137.6	39.0	18.0	47.1	159.8
109°	21.1	45.1	137.9	218.8	251.6	219.5	130.9	35.7	17.8	43.6	152.9
110°	20.8	41.8	131.0	209.9	240.0	209.9	123.6	32.6	17.1	39.6	144.1
111°	20.4	38.4	124.4	201.1	231.6	201.1	117.5	30.0	16.8	36.2	137.5
112°	19.7	35.6	117.9	192.8	221.0	191.9	111.0	26.7	16.8	33.1	129.5
113°	19.4	32.5	111.6	183.8	212.2	182.9	104.9	24.1	16.3	29.4	122.4
114°	19.2	30.1	105.7	175.2	202.8	173.4	98.9	21.5	16.1	26.8	116.2
115°	18.7	27.5	99.6	166.8	194.4	165.9	93.0	19.8	15.6	23.7	109.2
116°	18.2	25.1	94.0	159.1	184.9	156.6	86.9	18.4	15.2	21.5	102.7
117°	17.8	23.0	88.4	151.0	175.9	149.5	81.8	16.0	15.4	19.0	96.8
118°	17.5	21.6	83.0	143.4	167.9	141.4	77.0	15.4	15.1	17.1	90.3
119°	17.0	20.2	78.2	136.0	159.7	134.1	71.6	14.4	14.7	15.2	84.6
120°	16.8	19.4	72.9	128.6	152.3	126.6	66.7	14.4	14.4	14.5	78.4
121°	16.6	18.7	68.0	122.1	142.9	119.6	61.4	14.6	14.1	14.2	73.2
122°	16.1	18.5	63.1	114.7	136.5	112.8	56.7	14.2	13.7	14.2	68.5
123°	15.6	18.0	58.5	108.1	127.8	106.0	52.1	14.2	13.3	13.8	62.5
124°	14.9	17.6	53.7	101.6	121.0	99.0	47.3	13.0	12.3	13.5	57.6
125°	14.2	17.5	49.0	95.0	112.5	92.8	42.8	12.7	12.1	13.1	53.1
126°	14.0	17.1	44.7	88.7	106.6	86.0	38.5	12.3	11.8	12.8	47.6
127°	13.5	16.6	40.2	82.7	98.6	79.9	34.2	11.8	11.1	12.4	42.9
128°	13.3	16.1	36.1	77.4	93.0	74.5	30.8	11.3	10.8	12.0	38.2
129°	12.8	15.7	32.4	71.2	85.3	68.4	26.5	11.1	10.4	11.7	33.9
130°	12.6	15.3	28.8	65.4	80.0	62.8	23.4	10.9	10.0	11.4	29.8
131°	12.1	14.8	25.2	60.1	73.1	57.2	19.8	10.6	9.6	11.0	25.5
132°	11.8	14.4	21.9	54.5	68.2	51.5	16.8	10.4	9.2	10.8	22.8
133°	11.6	14.0	18.8	49.3	61.6	46.6	14.3	10.1	8.8	10.6	18.3
134°	11.1	13.5	16.2	44.6	56.4	41.2	11.5	9.9	8.1	10.4	14.8



TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	11.1	13.3	14.5	39.7	50.1	36.9	10.5	9.7	8.0	10.2	12.2
136°	10.9	12.8	13.6	35.0	45.0	32.2	9.8	9.0	7.9	9.9	11.0
137°	10.4	12.8	12.9	30.7	39.3	27.7	9.3	8.7	7.9	9.0	11.0
138°	10.2	12.1	12.9	26.7	34.9	23.6	8.8	8.3	7.8	8.5	9.3
139°	9.9	12.1	12.4	22.6	29.5	19.7	8.1	7.8	7.8	8.3	8.6
140°	9.7	11.6	11.9	19.0	25.6	16.2	7.9	7.6	7.7	7.8	8.6
141°	9.5	10.9	11.9	15.7	20.8	12.8	7.6	7.1	7.6	7.6	8.3
142°	9.2	10.7	11.4	13.3	16.8	10.6	7.2	6.8	7.6	7.4	8.2
143°	8.9	10.2	11.2	11.9	13.0	8.9	7.1	7.1	7.3	7.6	8.1
144°	8.6	10.2	10.7	11.7	10.5	8.4	7.0	6.8	6.6	7.3	7.9
145°	8.3	10.2	10.2	11.2	8.2	7.9	6.9	7.1	6.5	7.3	7.8
146°	8.1	9.7	10.0	11.0	7.7	7.7	6.8	6.6	6.4	7.3	7.6
147°	7.9	9.0	9.8	10.8	7.6	7.6	6.7	6.6	6.4	7.3	7.6
148°	7.8	9.0	9.5	10.6	7.5	7.5	6.7	6.6	6.4	7.3	7.9
149°	7.6	8.5	9.1	10.4	7.4	7.3	6.2	6.6	6.4	7.3	7.6
150°	7.5	8.5	9.3	10.2	7.3	7.2	6.0	6.6	6.5	7.3	7.6
151°	7.3	8.3	9.1	9.8	7.2	7.1	6.0	6.6	6.5	7.3	7.5
152°	7.3	7.8	8.9	9.8	7.0	7.0	6.0	6.6	6.5	7.3	7.4
153°	7.1	7.9	8.7	9.3	6.9	6.9	6.1	6.6	6.6	7.3	7.3
154°	7.1	7.9	8.5	9.1	6.9	6.7	6.2	6.6	6.6	7.3	7.2
155°	7.1	7.9	8.3	9.1	6.8	6.6	6.3	6.6	6.7	7.3	7.1
156°	7.1	8.0	8.3	8.8	6.8	6.6	6.3	6.6	6.7	7.3	7.1
157°	7.1	8.0	8.3	8.7	6.8	6.7	6.4	6.6	6.7	7.4	7.0
158°	7.1	8.1	8.3	8.7	6.7	6.7	6.5	6.6	6.8	7.4	6.9
159°	7.1	8.3	8.3	8.6	6.7	6.7	6.5	6.6	6.8	7.4	6.8
160°	7.2	8.3	8.3	8.5	6.7	6.8	6.6	6.6	6.8	7.4	6.7
161°	7.2	8.3	8.3	8.4	6.6	6.8	6.7	6.8	6.9	7.8	7.6
162°	7.3	8.4	8.3	8.3	6.6	6.8	6.8	7.5	7.6	8.1	8.6
163°	7.4	8.4	8.3	8.3	6.6	6.8	6.9	7.8	8.5	8.8	8.8
164°	7.4	8.4	8.3	7.9	6.5	6.9	7.0	8.0	9.0	9.0	9.3
165°	7.5	8.4	8.3	7.9	6.5	6.9	7.0	8.3	9.5	9.0	9.5
166°	7.7	8.4	8.3	7.8	6.5	6.9	7.1	8.7	9.7	9.3	9.5
167°	7.8	8.5	8.3	7.7	6.4	7.0	7.2	9.0	10.2	9.3	10.2
168°	8.0	8.5	8.3	7.7	6.4	7.0	7.3	8.9	10.9	9.3	10.7
169°	8.2	8.5	8.3	7.6	6.3	7.0	7.4	8.9	10.9	9.3	10.7
170°	8.4	8.5	8.3	7.5	6.3	7.0	7.6	8.9	10.8	9.3	11.0
171°	8.5	9.0	8.3	7.5	6.4	7.1	7.6	8.9	10.8	9.4	11.0
172°	8.8	9.7	8.3	7.6	6.5	7.1	7.7	8.9	10.8	9.4	11.4
173°	9.0	10.2	8.3	7.6	6.6	7.1	7.8	8.8	10.8	9.4	12.1
174°	9.2	11.4	8.3	7.6	6.6	7.2	7.9	8.8	10.7	9.4	11.9
175°	9.5	11.1	8.3	7.6	6.7	7.2	8.0	8.8	10.7	9.4	11.9
176°	9.7	11.4	8.3	7.6	6.7	7.4	8.1	8.8	10.7	9.5	11.7
177°	9.5	11.6	8.3	7.6	6.7	7.7	8.1	8.7	10.7	9.5	11.9
178°	9.5	11.6	8.3	7.6	7.0	7.4	8.1	8.7	10.7	9.5	11.7
179°	9.5	11.6	8.3	7.6	7.2	7.4	8.1	8.7	10.7	9.5	11.7



TEST NUMBER: P600976
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5

TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2548.9	2548.9	2548.9	2548.9	2548.9	2548.9
1°	2546.7	2548.3	2552.0	2550.4	2548.9	2549.1
2°	2546.9	2547.9	2551.2	2550.2	2549.1	2546.7
3°	2544.0	2548.3	2551.6	2550.4	2547.7	2545.5
4°	2542.2	2547.7	2549.4	2544.5	2541.8	2540.6
5°	2538.9	2538.7	2549.4	2543.4	2538.7	2535.5
6°	2534.0	2536.3	2543.8	2540.2	2535.5	2530.0
7°	2531.4	2533.4	2537.5	2532.4	2527.3	2521.0
8°	2522.4	2527.9	2535.1	2529.3	2519.3	2512.4
9°	2516.9	2521.0	2526.5	2521.6	2510.6	2504.4
10°	2511.6	2509.1	2518.7	2517.3	2500.6	2493.8
11°	2503.2	2502.0	2508.9	2509.1	2490.1	2481.4
12°	2493.6	2496.5	2499.9	2498.1	2480.5	2467.3
13°	2483.0	2485.6	2491.6	2488.9	2466.0	2459.7
14°	2473.4	2477.1	2479.7	2479.5	2452.2	2444.6
15°	2461.6	2461.8	2470.5	2464.8	2439.3	2431.5
16°	2447.5	2449.5	2458.5	2447.7	2424.4	2412.7
17°	2435.4	2437.3	2444.8	2432.6	2409.3	2394.8
18°	2420.9	2424.2	2431.3	2416.4	2390.5	2377.4
19°	2404.0	2412.5	2417.4	2400.5	2369.7	2357.2
20°	2390.7	2398.7	2400.7	2385.0	2349.0	2337.4
21°	2371.3	2380.9	2386.6	2369.3	2330.1	2316.2
22°	2352.9	2367.0	2367.8	2349.9	2308.4	2293.1
23°	2334.1	2348.4	2354.1	2332.3	2286.2	2270.2
24°	2317.6	2332.9	2333.5	2310.4	2264.1	2247.6
25°	2294.1	2313.9	2312.1	2288.8	2241.0	2224.7
26°	2276.1	2295.1	2293.5	2268.4	2217.7	2200.4
27°	2257.8	2275.5	2276.4	2244.5	2194.5	2174.7
28°	2238.8	2258.8	2254.5	2221.2	2166.1	2146.1
29°	2221.0	2235.1	2232.2	2197.9	2139.5	2118.1
30°	2198.3	2213.5	2209.6	2174.1	2113.8	2089.9
31°	2175.7	2194.1	2189.4	2148.9	2085.8	2060.9
32°	2153.6	2171.6	2168.3	2124.6	2054.0	2032.7
33°	2129.7	2147.7	2145.9	2099.5	2029.9	2004.0
34°	2106.5	2125.2	2123.2	2071.7	2000.9	1972.1
35°	2080.9	2102.2	2098.5	2043.6	1968.0	1939.9
36°	2056.8	2079.5	2073.2	2017.4	1940.7	1908.7
37°	2029.9	2057.0	2047.9	1985.0	1908.9	1878.4
38°	2005.6	2036.6	2021.9	1958.6	1877.5	1847.3
39°	1981.1	2013.1	1998.0	1929.1	1847.8	1811.6
40°	1956.9	1987.6	1971.1	1899.0	1816.3	1778.7
41°	1929.6	1961.9	1944.4	1868.5	1782.5	1742.2
42°	1904.8	1936.3	1919.3	1838.5	1750.3	1708.0
43°	1876.0	1909.9	1892.0	1806.6	1717.2	1671.7
44°	1851.4	1884.6	1864.1	1776.8	1684.0	1636.6

TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1822.8	1857.8	1838.0	1744.7	1650.2	1601.7
46°	1791.9	1829.1	1810.4	1714.0	1615.1	1566.1
47°	1765.0	1805.1	1782.0	1683.2	1579.3	1530.7
48°	1737.9	1777.5	1752.7	1649.0	1544.7	1494.4
49°	1712.1	1747.0	1721.5	1617.2	1510.2	1457.5
50°	1680.6	1722.5	1693.8	1585.9	1474.1	1419.3
51°	1655.0	1693.3	1663.0	1555.5	1438.4	1382.2
52°	1624.2	1669.7	1632.2	1522.8	1401.7	1343.6
53°	1594.6	1641.3	1604.1	1488.6	1365.6	1305.6
54°	1564.5	1612.1	1575.2	1456.1	1331.3	1267.4
55°	1536.5	1586.0	1544.8	1425.5	1293.2	1229.3
56°	1504.5	1554.5	1511.6	1390.2	1258.4	1193.8
57°	1474.4	1524.3	1480.2	1356.5	1222.1	1154.4
58°	1444.4	1497.1	1448.5	1322.5	1185.3	1115.7
59°	1414.2	1463.9	1416.8	1291.5	1149.7	1076.9
60°	1383.1	1434.1	1386.1	1256.6	1112.5	1037.8
61°	1348.7	1402.4	1352.8	1223.4	1073.8	998.0
62°	1318.5	1371.7	1323.4	1190.3	1037.9	960.1
63°	1289.1	1342.2	1291.4	1157.8	999.6	920.0
64°	1257.2	1312.0	1261.6	1122.1	962.6	879.4
65°	1221.9	1282.2	1228.0	1089.1	925.7	840.4
66°	1191.6	1248.1	1193.8	1054.8	888.8	800.4
67°	1158.1	1216.7	1162.8	1021.4	850.9	761.0
68°	1126.9	1185.1	1126.9	987.7	813.1	720.7
69°	1092.7	1152.4	1096.1	953.4	776.9	681.3
70°	1059.3	1118.8	1064.3	918.4	742.0	640.8
71°	1025.0	1087.3	1030.3	883.3	704.5	599.6
72°	993.7	1056.5	997.9	849.4	668.8	560.0
73°	958.9	1021.0	963.0	814.8	632.4	520.1
74°	927.0	989.1	932.5	782.0	596.1	481.4
75°	894.6	951.5	897.7	747.7	561.7	442.0
76°	862.1	918.3	866.2	714.9	527.7	404.1
77°	831.2	881.1	833.3	682.2	492.9	366.2
78°	798.0	846.3	800.5	649.2	458.6	328.9
79°	767.1	812.3	768.6	616.9	426.1	292.6
80°	733.8	777.6	736.5	585.9	393.7	257.7
81°	702.6	745.7	705.1	555.5	362.5	223.5
82°	671.2	712.4	672.5	526.0	332.6	191.2
83°	643.8	682.4	643.0	497.4	303.5	160.6
84°	614.7	652.7	613.5	469.2	276.4	132.2
85°	587.2	624.4	584.2	443.3	250.4	106.3
86°	563.4	596.2	559.0	418.2	226.5	82.7
87°	540.1	571.6	533.6	393.7	202.5	62.1
88°	518.5	548.1	510.3	371.2	184.7	46.7
89°	498.0	528.9	491.3	353.9	168.3	36.2

TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	481.8	510.3	472.4	337.2	155.9	31.5
91°	464.8	496.2	457.5	324.8	146.2	30.1
92°	452.6	481.1	444.6	312.5	138.2	29.4
93°	437.6	467.9	430.2	301.6	129.7	28.7
94°	424.6	454.0	417.5	289.7	122.3	27.9
95°	410.2	441.4	404.4	278.5	115.1	27.2
96°	397.4	428.5	390.8	268.6	108.0	27.0
97°	383.4	416.3	378.4	257.9	101.0	26.0
98°	371.4	404.3	366.5	248.4	94.4	25.6
99°	357.7	391.5	354.3	238.8	88.8	25.1
100°	347.0	379.5	343.5	228.5	83.1	24.6
101°	333.3	368.2	331.3	218.5	78.6	24.4
102°	322.1	357.0	319.8	209.5	73.8	24.4
103°	310.0	345.3	308.3	200.4	68.9	23.9
104°	299.4	335.1	296.7	191.9	64.5	23.4
105°	287.7	325.2	285.9	183.4	60.5	23.0
106°	276.6	314.4	275.3	174.7	55.9	22.5
107°	265.4	303.5	265.6	166.5	51.9	21.8
108°	254.3	292.5	255.6	158.1	48.4	21.3
109°	244.6	280.7	245.9	150.6	44.9	21.1
110°	235.2	270.0	235.7	143.1	41.5	20.8
111°	223.6	258.7	225.3	135.5	38.0	20.4
112°	214.5	248.0	215.3	128.4	35.4	19.7
113°	205.1	237.7	205.8	121.8	32.5	19.4
114°	196.0	228.0	196.8	115.0	29.8	19.2
115°	187.0	217.9	187.1	108.5	27.4	18.7
116°	178.1	208.2	178.4	102.2	25.0	18.2
117°	169.5	199.2	169.6	96.2	22.9	17.8
118°	161.0	189.7	161.9	90.5	21.7	17.5
119°	152.3	180.7	153.4	84.8	20.8	17.0
120°	144.5	171.5	145.4	80.0	20.5	16.8
121°	136.1	163.3	137.7	74.5	19.8	16.6
122°	128.9	155.1	129.7	69.2	19.4	16.1
123°	121.1	146.5	122.5	64.0	19.4	15.6
124°	113.4	138.0	114.8	58.8	19.1	14.9
125°	107.1	130.6	108.4	54.2	18.4	14.2
126°	99.5	122.2	101.1	49.3	18.2	14.0
127°	92.9	115.4	94.1	44.7	17.9	13.5
128°	86.3	107.6	87.7	40.4	17.2	13.3
129°	79.3	100.7	80.9	36.1	17.0	12.8
130°	73.8	93.7	75.2	32.0	16.8	12.6
131°	67.7	86.6	68.9	28.2	16.1	12.1
132°	61.4	80.3	63.1	24.8	15.6	11.8
133°	56.0	74.0	57.0	21.5	15.1	11.6
134°	49.8	67.6	51.6	18.4	14.9	11.1

TEST NUMBER: P600976

CATALOG NUMBER: 8APVTLTD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	44.7	61.5	46.4	16.5	14.4	11.1
136°	39.5	55.6	41.0	15.3	13.9	10.9
137°	33.9	50.0	36.4	14.6	13.2	10.4
138°	29.4	44.6	31.5	14.1	13.0	10.2
139°	24.6	39.2	27.3	13.7	12.5	9.9
140°	20.3	34.1	23.0	13.3	12.0	9.7
141°	16.3	29.4	19.2	13.0	11.8	9.5
142°	12.2	25.0	15.8	12.6	11.6	9.2
143°	10.1	20.8	13.9	12.2	11.3	8.9
144°	9.1	16.9	13.2	11.9	10.4	8.6
145°	8.3	13.9	12.7	11.7	10.6	8.3
146°	8.1	12.5	12.5	11.0	10.3	8.1
147°	7.9	12.2	12.2	10.8	10.1	7.9
148°	7.6	11.8	11.8	10.5	9.8	7.8
149°	7.2	11.5	11.5	10.0	9.5	7.6
150°	7.4	11.1	11.5	9.8	9.2	7.5
151°	7.2	10.8	11.0	9.8	9.0	7.3
152°	6.9	10.6	10.6	9.6	8.8	7.3
153°	6.9	10.3	10.6	9.5	8.6	7.1
154°	6.9	10.1	10.4	9.5	8.7	7.1
155°	7.0	9.8	10.3	9.5	8.7	7.1
156°	7.0	9.4	10.1	9.4	8.7	7.1
157°	7.0	9.4	10.0	9.4	8.7	7.1
158°	7.0	9.1	9.8	9.4	8.8	7.1
159°	7.1	9.4	9.6	9.4	8.8	7.1
160°	7.1	8.9	9.4	9.3	8.8	7.2
161°	7.1	9.1	9.1	9.3	8.8	7.2
162°	7.1	8.9	9.4	9.3	8.9	7.3
163°	7.6	8.9	9.3	9.2	8.9	7.4
164°	7.4	8.6	9.2	9.2	8.9	7.4
165°	7.6	8.4	9.1	9.2	8.9	7.5
166°	7.9	8.2	9.0	9.2	8.9	7.7
167°	8.3	8.2	9.0	9.1	9.0	7.8
168°	8.6	8.4	8.9	9.1	9.2	8.0
169°	8.6	7.9	8.6	9.1	9.7	8.2
170°	8.5	7.7	8.4	9.0	9.7	8.4
171°	8.5	7.7	8.4	9.0	9.9	8.5
172°	8.5	7.9	8.3	9.0	10.4	8.8
173°	8.4	7.4	8.3	9.0	10.4	9.0
174°	8.4	7.4	8.2	8.9	10.4	9.2
175°	8.4	7.2	8.2	8.9	10.6	9.5
176°	8.4	7.2	8.2	8.9	10.6	9.7
177°	8.3	7.2	8.2	8.8	10.6	9.5
178°	8.3	7.2	8.2	8.8	10.6	9.5
179°	8.3	7.2	8.2	8.8	10.6	9.5



TEST NUMBER: P600976
CATALOG NUMBER: 8APVTLD-SL3C3 LO POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	9.5	9.5	9.5	9.5	9.5	9.5

(END OF REPORT)