

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: P600968

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

Issue Date: 1/11/2023

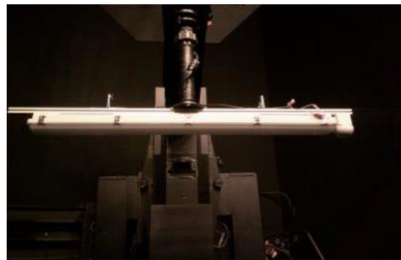
Test Information

Test Method: LM-79-2019
Report Number: P600968
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: 8APVTLTLD-SL3C3 MID POWER 5000K 120V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

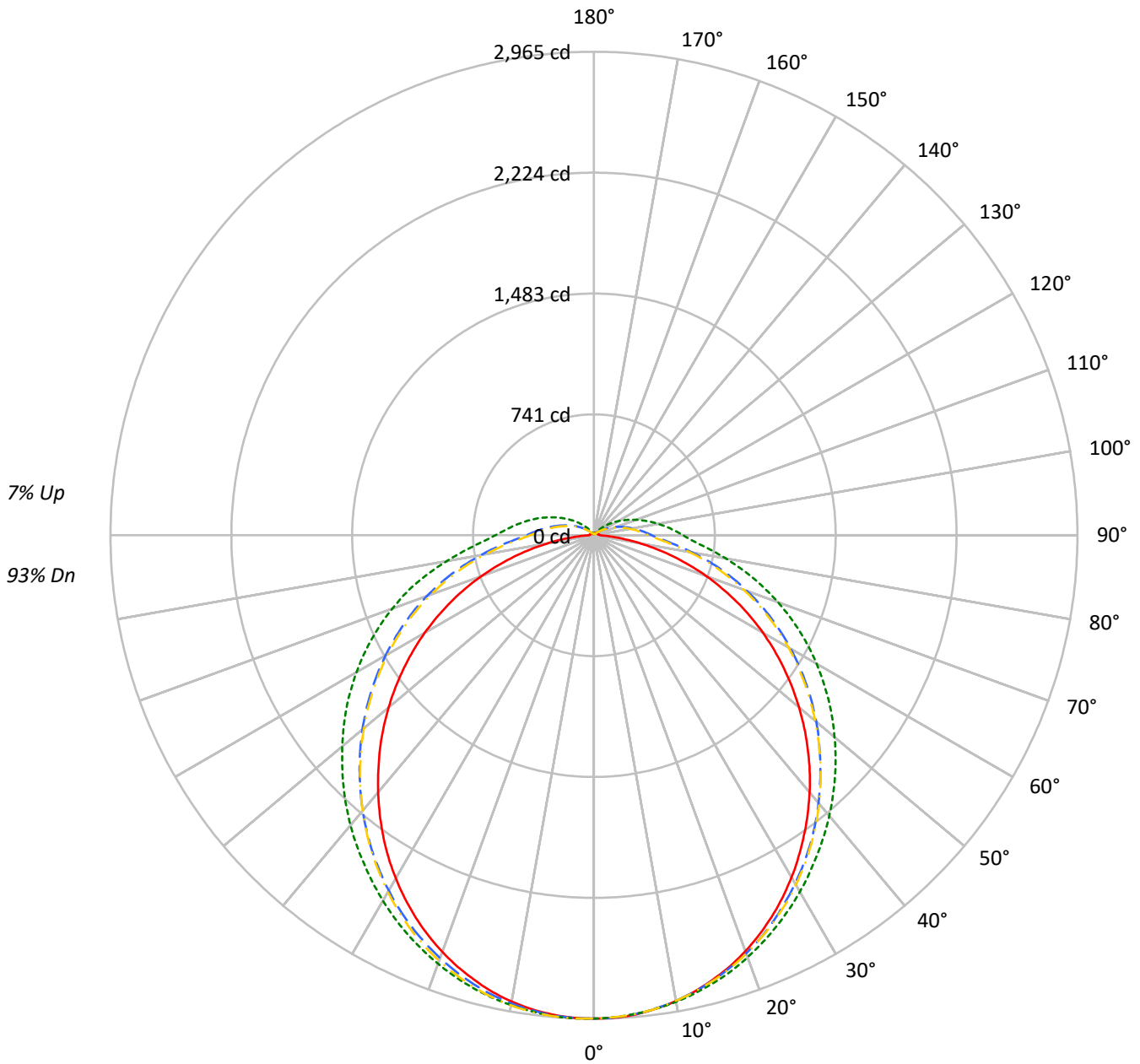
Lumens per Lamp: N/A
Luminaire Lumens: 10066.3 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 78
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: 24 FT



TEST NUMBER: P600968
CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

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	51	46	55	49	45	45	45	45	42
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°	11965	11965	11965	11965
5°	11940	11681	11940	11732
10°	11867	11406	11880	11488
15°	11755	11128	11772	11253
20°	11617	10844	11637	11008
25°	11438	10560	11466	10776
30°	11224	10286	11256	10541
35°	10988	10018	11019	10309
40°	10749	9781	10753	10116
45°	10480	9548	10482	9921
50°	10182	9319	10192	9749
55°	9860	9101	9872	9610
60°	9495	8882	9507	9476
65°	9025	8650	9043	9340
70°	8422	8400	8444	9209
75°	7577	8140	7596	9067
80°	6398	7899	6402	8835
85°	4863	7865	4838	8836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 14570 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.3	2.8
10°-20°	801.4	8.0
20°-30°	1212.1	12.0
30°-40°	1464.6	14.5
40°-50°	1541.0	15.3
50°-60°	1447.3	14.4
60°-70°	1206.7	12.0
70°-80°	860.9	8.6
80°-90°	504.5	5.0
90°-100°	314.8	3.1
100°-110°	207.0	2.1
110°-120°	122.1	1.2
120°-130°	62.5	0.6
130°-140°	24.3	0.2
140°-150°	8.1	0.1
150°-160°	4.6	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	2293.9	22.8
0°-40°	3758.5	37.3
0°-60°	6746.9	67.0
0°-90°	9318.9	92.6
90°-120°	643.8	6.4
90°-150°	738.7	7.3
90°-180°	747.0	7.4
0°-180°	10066.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2964	2964	2964	2964	2964	
5°	2950	2946	2950	2959	2950	280
15°	2821	2841	2825	2873	2821	796
25°	2581	2648	2587	2702	2581	1188
35°	2246	2389	2252	2458	2246	1405
45°	1855	2091	1855	2172	1855	1431
55°	1422	1755	1424	1853	1422	1271
65°	966	1391	968	1502	966	956
75°	505	1009	506	1124	505	535
85°	118	655	117	736	118	132
90°	38	547	32	604	38	23
95°	32	471	26	520	32	26
105°	27	336	24	382	27	28
115°	22	221	20	259	22	22
125°	17	129	16	156	17	16
135°	13	57	11	74	13	10
145°	11	11	9	18	11	7
155°	9	8	9	12	9	4
165°	10	8	12	10	10	3
175°	12	8	15	9	12	1
180°	12	12	12	12	12	



TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2
1°	2964.4	2964.4	2964.4	2963.0	2962.7	2961.5	2962.7	2962.8	2963.6	2963.8	2964.4
2°	2963.6	2962.7	2961.9	2959.9	2959.4	2958.2	2959.8	2960.7	2962.3	2962.3	2963.2
3°	2960.5	2959.2	2958.0	2955.9	2955.9	2954.7	2956.7	2957.2	2959.6	2959.8	2960.9
4°	2955.3	2954.4	2953.4	2950.9	2951.5	2949.9	2952.2	2952.6	2955.3	2955.9	2958.2
5°	2949.5	2948.4	2947.0	2945.1	2945.9	2943.7	2946.4	2946.2	2949.5	2950.9	2954.7
6°	2942.0	2940.7	2940.1	2938.3	2939.5	2936.8	2940.7	2939.1	2943.5	2945.1	2949.3
7°	2933.1	2932.0	2931.2	2931.0	2932.4	2929.6	2932.5	2931.0	2935.4	2937.6	2941.6
8°	2923.5	2921.9	2921.7	2922.5	2924.2	2921.7	2921.9	2921.7	2925.8	2929.1	2933.7
9°	2912.9	2910.5	2911.5	2912.3	2915.4	2912.1	2911.1	2910.9	2915.4	2919.4	2925.2
10°	2900.5	2898.4	2899.3	2901.7	2905.5	2900.7	2899.3	2898.8	2903.8	2908.4	2915.8
11°	2886.8	2885.6	2886.8	2889.9	2894.7	2888.3	2886.8	2885.1	2890.9	2896.5	2904.4
12°	2871.8	2871.2	2872.7	2877.3	2882.8	2875.8	2873.5	2870.8	2876.8	2883.1	2892.8
13°	2855.7	2855.9	2858.0	2864.4	2869.2	2862.1	2858.8	2854.8	2861.1	2868.1	2879.5
14°	2839.1	2838.7	2842.0	2850.5	2855.3	2847.2	2843.2	2836.8	2843.8	2852.3	2865.6
15°	2820.8	2821.0	2825.0	2835.3	2841.3	2832.8	2827.6	2817.9	2824.9	2835.1	2850.7
16°	2802.1	2802.3	2807.9	2819.8	2826.2	2817.3	2810.6	2798.6	2805.4	2815.8	2834.3
17°	2782.8	2783.7	2789.5	2802.7	2810.4	2800.0	2791.9	2778.1	2785.9	2797.1	2817.7
18°	2761.2	2763.1	2770.6	2784.3	2792.6	2780.9	2772.0	2756.7	2765.0	2776.6	2798.4
19°	2738.6	2740.5	2750.9	2765.8	2773.5	2761.6	2752.1	2734.1	2742.6	2755.2	2779.5
20°	2714.8	2717.4	2729.5	2746.1	2754.2	2742.4	2731.1	2711.6	2719.3	2733.0	2759.6
21°	2689.8	2692.7	2706.9	2727.0	2734.0	2721.8	2709.3	2688.0	2694.8	2709.3	2739.0
22°	2663.7	2667.4	2684.0	2706.5	2713.9	2700.8	2685.9	2663.9	2669.3	2685.3	2717.2
23°	2636.7	2640.4	2659.5	2683.2	2692.7	2678.8	2662.5	2638.0	2642.7	2659.8	2694.8
24°	2608.9	2613.9	2633.8	2660.4	2670.7	2655.6	2638.2	2611.8	2614.5	2633.8	2671.8
25°	2580.7	2586.7	2608.1	2636.3	2647.5	2632.4	2612.9	2585.5	2586.9	2606.4	2647.7
26°	2551.2	2557.8	2580.7	2613.5	2624.7	2609.1	2587.3	2557.6	2556.6	2579.8	2623.0
27°	2519.7	2528.4	2553.3	2588.4	2600.4	2584.0	2561.0	2528.6	2526.3	2551.4	2598.1
28°	2488.7	2497.9	2524.9	2563.3	2575.9	2558.5	2534.0	2497.9	2494.6	2521.7	2571.5
29°	2455.5	2466.8	2496.6	2536.7	2551.0	2532.7	2506.2	2467.2	2462.8	2491.6	2544.6
30°	2422.5	2435.2	2466.7	2510.3	2525.3	2506.4	2476.3	2435.4	2429.6	2460.7	2516.3
31°	2389.3	2403.2	2436.9	2482.5	2499.5	2479.2	2446.2	2402.4	2397.0	2429.2	2488.3
32°	2353.8	2369.2	2407.0	2454.7	2472.3	2451.6	2415.9	2369.4	2362.2	2397.8	2458.9
33°	2318.8	2335.0	2375.2	2427.1	2444.3	2423.6	2384.1	2334.8	2326.2	2364.6	2428.8
34°	2282.9	2300.9	2344.3	2397.8	2416.7	2394.5	2352.2	2299.5	2290.6	2331.2	2399.5
35°	2246.1	2264.6	2313.0	2368.0	2388.9	2364.9	2320.0	2264.6	2252.4	2297.2	2368.4
36°	2209.4	2228.9	2280.0	2338.1	2361.5	2334.8	2286.8	2228.1	2214.8	2262.7	2336.6
37°	2172.0	2193.4	2246.6	2309.4	2332.9	2305.3	2252.4	2190.1	2176.4	2227.0	2304.7
38°	2133.5	2156.3	2212.3	2277.9	2305.1	2274.8	2219.0	2152.3	2137.6	2191.3	2272.3
39°	2095.3	2118.3	2178.1	2248.2	2275.8	2244.1	2183.7	2114.1	2098.4	2154.6	2239.3
40°	2057.7	2080.9	2141.5	2217.1	2245.7	2213.4	2148.6	2075.7	2058.5	2117.1	2206.5
41°	2018.7	2043.2	2107.1	2186.4	2215.4	2182.6	2112.9	2036.7	2018.5	2079.3	2172.3
42°	1978.2	2004.8	2070.6	2154.2	2185.1	2150.3	2076.2	1998.1	1978.2	2041.5	2137.6
43°	1938.0	1966.2	2035.1	2122.0	2153.4	2117.5	2039.0	1957.7	1937.1	2003.1	2103.1
44°	1896.6	1926.1	1999.0	2089.7	2122.5	2084.7	2001.5	1917.4	1896.8	1964.5	2067.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1855.0	1885.9	1963.3	2056.5	2090.7	2051.5	1963.3	1876.6	1855.4	1925.5	2032.6
46°	1813.4	1845.9	1927.0	2023.9	2058.7	2019.7	1925.1	1835.6	1814.0	1885.3	1997.7
47°	1771.0	1805.1	1890.3	1990.5	2026.1	1984.8	1886.9	1794.8	1771.6	1845.7	1962.0
48°	1728.1	1763.8	1853.7	1956.4	1993.4	1951.4	1849.1	1753.5	1729.5	1805.4	1926.0
49°	1684.9	1721.7	1817.2	1922.0	1960.0	1916.4	1809.6	1711.2	1686.1	1764.8	1889.7
50°	1641.6	1680.4	1779.7	1887.0	1926.1	1881.1	1771.3	1669.1	1643.1	1723.2	1853.2
51°	1597.8	1638.0	1741.4	1852.8	1893.5	1846.6	1732.3	1626.5	1600.5	1682.6	1817.3
52°	1554.0	1595.6	1703.5	1818.1	1858.2	1811.8	1693.8	1584.2	1556.3	1639.9	1779.3
53°	1510.8	1553.1	1665.9	1784.2	1824.8	1775.9	1654.5	1541.4	1512.4	1599.5	1741.9
54°	1465.6	1510.4	1627.4	1748.5	1790.1	1739.3	1615.8	1498.3	1468.1	1557.0	1704.5
55°	1421.9	1467.5	1588.7	1711.3	1755.0	1703.2	1576.6	1455.1	1423.6	1514.5	1667.4
56°	1377.3	1425.1	1550.3	1675.4	1719.7	1666.1	1536.2	1411.9	1379.4	1471.9	1628.8
57°	1333.0	1382.0	1510.3	1638.5	1684.4	1629.5	1497.3	1367.8	1334.4	1429.4	1590.7
58°	1287.7	1338.5	1471.5	1601.3	1648.5	1592.8	1456.9	1324.0	1289.4	1387.4	1552.2
59°	1242.3	1294.9	1432.2	1563.3	1613.3	1554.7	1418.1	1280.3	1244.1	1345.0	1513.8
60°	1197.4	1252.1	1393.6	1525.6	1576.6	1517.2	1377.8	1236.6	1198.9	1303.0	1476.0
61°	1151.2	1209.8	1354.3	1487.9	1540.5	1479.9	1337.9	1192.3	1152.7	1259.4	1437.9
62°	1105.7	1167.2	1315.1	1450.2	1503.0	1441.2	1297.7	1148.4	1106.8	1217.2	1398.3
63°	1058.6	1124.0	1276.0	1413.0	1466.3	1403.2	1258.3	1104.6	1060.1	1175.5	1360.4
64°	1013.1	1080.4	1236.7	1375.8	1429.2	1364.7	1218.9	1061.2	1014.5	1132.2	1321.9
65°	966.0	1037.6	1197.5	1338.3	1391.2	1326.5	1178.7	1018.1	968.0	1089.3	1283.7
66°	919.2	993.9	1158.3	1301.1	1354.2	1287.6	1138.1	974.1	920.9	1046.7	1244.7
67°	872.6	950.8	1117.6	1263.3	1315.9	1248.9	1097.9	931.9	875.2	1005.2	1206.3
68°	826.4	908.3	1077.7	1224.4	1277.7	1211.0	1057.8	888.6	828.8	962.1	1167.3
69°	779.9	865.9	1038.3	1185.4	1239.0	1171.6	1017.4	845.5	781.6	919.3	1128.0
70°	734.0	823.9	998.8	1147.0	1200.7	1133.2	977.1	803.2	736.0	876.8	1089.1
71°	687.0	781.1	959.3	1107.0	1162.1	1094.3	937.2	760.7	689.0	835.4	1050.4
72°	642.2	739.8	921.4	1066.4	1124.0	1056.3	897.8	719.0	643.1	794.1	1011.8
73°	596.4	698.8	882.6	1027.0	1084.9	1017.8	857.8	677.2	596.9	752.4	972.6
74°	550.1	658.2	844.3	986.9	1047.5	980.0	819.8	635.9	551.1	711.7	933.8
75°	504.7	618.4	805.2	948.3	1008.9	941.3	780.8	595.0	506.0	671.1	894.8
76°	460.3	578.7	766.9	910.5	971.1	903.4	743.3	554.6	461.0	630.9	855.5
77°	416.9	539.5	728.5	872.3	933.1	866.2	706.0	516.0	417.4	592.4	817.8
78°	373.9	502.1	690.1	836.1	895.1	828.4	668.1	478.2	374.5	554.7	779.3
79°	332.1	462.8	652.0	798.3	857.1	791.8	632.1	441.4	332.3	516.2	742.2
80°	291.5	427.0	615.3	762.8	821.6	755.9	596.3	404.9	291.7	479.5	706.4
81°	253.0	392.7	580.2	727.5	784.7	720.3	560.7	369.4	254.3	443.1	669.7
82°	215.2	359.2	545.7	691.3	751.4	686.8	527.4	335.3	216.1	407.3	633.9
83°	178.5	327.4	513.0	658.3	717.1	653.0	494.5	302.5	180.4	373.7	600.2
84°	146.6	296.8	482.4	626.2	685.7	622.9	464.0	272.3	147.4	340.5	568.0
85°	117.5	268.2	455.6	596.8	655.1	592.9	435.5	243.9	116.9	309.7	536.7
86°	91.8	243.0	429.6	569.0	627.7	565.3	408.7	218.3	90.3	281.0	506.0
87°	70.7	220.9	405.9	544.9	601.5	539.4	385.3	196.3	68.8	255.6	477.5
88°	53.0	201.5	385.9	523.6	581.0	519.7	365.9	177.5	51.5	234.2	452.5
89°	42.5	185.1	367.7	504.0	562.0	500.9	348.7	161.3	38.8	215.5	431.4



TEST NUMBER: P600968

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	37.6	174.1	354.4	488.7	546.8	486.4	335.3	149.6	31.8	199.3	413.4
91°	35.9	164.5	341.8	473.7	530.4	470.5	321.7	140.6	29.5	187.4	397.4
92°	34.7	155.9	330.1	459.6	515.2	457.0	310.3	132.2	28.4	177.1	383.0
93°	33.8	147.2	318.0	446.5	500.7	442.7	299.4	124.2	27.6	166.9	369.2
94°	32.8	139.3	306.5	432.7	484.7	428.6	288.1	116.7	26.9	157.6	355.8
95°	32.2	131.1	295.2	420.1	470.9	415.4	276.9	109.2	26.5	148.2	341.9
96°	31.5	123.4	283.8	407.1	456.0	401.1	266.0	102.3	25.4	139.7	328.9
97°	30.7	116.2	272.7	393.9	442.7	388.4	256.4	95.6	25.0	131.1	316.1
98°	29.9	109.8	261.8	381.6	427.7	375.6	246.2	89.7	24.8	123.0	304.0
99°	29.4	103.2	252.0	369.4	414.1	363.3	236.1	83.6	24.6	115.5	291.7
100°	29.0	97.1	241.6	356.8	400.3	350.8	225.4	78.0	24.4	108.3	280.1
101°	29.0	91.5	231.3	344.7	387.3	338.2	215.7	73.0	24.2	101.4	268.9
102°	28.4	85.9	221.8	332.4	373.3	325.3	206.5	68.0	24.0	95.1	257.9
103°	28.0	80.5	212.0	320.0	361.5	313.6	198.0	63.2	23.8	88.7	247.6
104°	27.3	75.7	202.6	308.4	347.5	301.3	189.2	58.9	23.6	83.0	236.5
105°	26.9	70.9	194.2	296.8	335.8	290.8	180.3	54.7	23.5	77.8	226.0
106°	26.3	66.2	185.2	285.1	322.8	279.6	171.4	50.7	23.1	72.2	216.0
107°	25.9	62.4	176.7	273.6	310.8	269.2	163.0	46.6	22.3	67.2	206.0
108°	25.2	58.1	168.2	262.4	298.8	258.8	154.3	42.8	22.1	62.2	196.1
109°	24.8	53.9	160.4	252.3	287.4	248.8	146.6	39.7	22.1	58.0	186.8
110°	24.2	49.9	152.6	241.8	275.5	237.7	138.5	35.9	21.7	53.8	177.7
111°	23.8	46.4	145.2	231.1	264.4	227.6	131.5	32.8	21.4	49.1	169.0
112°	23.5	42.6	137.4	221.3	253.7	216.8	124.4	29.6	21.1	45.2	160.3
113°	23.3	39.2	130.0	211.4	242.9	206.6	117.1	26.9	20.8	41.5	152.1
114°	22.9	36.1	123.2	201.4	232.6	196.5	110.2	24.3	20.6	37.2	143.9
115°	22.5	32.9	116.1	192.3	221.4	186.6	103.6	22.2	20.3	33.9	135.9
116°	21.8	30.1	109.3	182.6	212.1	176.7	97.1	20.9	20.0	30.4	128.2
117°	21.4	27.7	103.0	173.9	201.3	168.1	91.5	20.1	20.0	27.4	120.8
118°	21.2	25.6	96.8	164.9	192.0	160.0	84.7	18.8	19.1	24.6	113.0
119°	20.6	23.9	90.1	156.2	182.4	151.5	79.1	18.4	18.5	22.1	106.3
120°	20.2	23.3	84.1	148.1	173.1	143.4	73.0	18.0	18.7	19.6	99.4
121°	19.6	22.7	78.2	140.0	163.6	134.7	67.1	17.6	17.7	18.5	92.4
122°	19.3	22.1	72.6	131.9	155.8	126.9	61.9	17.2	17.7	18.3	86.1
123°	18.5	21.8	67.2	124.1	146.3	119.1	57.0	16.8	17.3	18.3	79.3
124°	17.7	21.4	62.4	116.5	138.2	111.4	51.6	16.3	16.6	18.5	73.2
125°	17.4	21.0	56.8	109.1	128.8	104.1	46.7	16.1	16.2	18.1	67.4
126°	16.6	20.4	51.7	101.9	121.4	96.4	42.0	15.8	15.6	16.8	61.6
127°	16.4	20.0	46.8	94.5	113.2	89.3	37.6	15.6	15.4	15.6	56.5
128°	16.0	19.5	42.2	87.6	105.7	82.5	33.0	15.2	14.9	15.5	50.9
129°	15.6	18.9	37.7	80.9	97.7	75.3	29.1	14.6	14.5	15.3	45.6
130°	15.3	18.3	33.2	74.1	90.9	69.3	25.1	14.6	14.3	14.9	40.4
131°	14.7	18.1	29.3	67.6	82.7	62.4	21.3	14.8	13.2	14.7	35.5
132°	14.3	17.8	25.5	61.9	76.6	57.1	18.2	14.0	12.6	14.5	30.8
133°	13.7	17.0	22.0	55.9	69.4	51.3	15.0	13.1	12.2	13.7	26.6
134°	13.5	16.6	18.7	50.4	62.9	45.4	13.4	12.5	11.6	13.5	22.4



TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	13.3	16.4	16.9	45.1	56.9	40.4	13.0	12.2	11.4	13.2	18.3
136°	13.2	15.8	16.5	39.6	50.5	35.2	12.3	11.8	11.1	12.6	14.9
137°	12.6	15.7	15.9	34.7	44.8	30.2	11.9	11.6	10.3	12.0	13.2
138°	12.4	15.1	15.5	30.0	38.9	25.9	11.5	11.6	10.1	11.6	12.6
139°	12.0	14.3	15.0	25.6	33.4	21.4	11.3	11.2	9.7	11.6	11.9
140°	12.0	14.1	14.6	21.3	28.3	17.5	10.9	11.2	9.7	11.8	11.7
141°	11.4	13.7	14.2	17.6	23.7	14.3	10.6	10.4	9.7	11.4	11.9
142°	11.3	13.6	13.8	15.1	18.6	11.9	10.0	9.7	9.6	10.7	10.9
143°	11.2	13.0	13.6	14.5	14.8	11.6	9.6	9.7	9.5	10.5	10.2
144°	10.7	12.8	13.2	14.1	11.6	11.6	9.0	9.3	9.4	10.2	9.8
145°	10.7	12.2	12.7	13.9	11.2	10.8	9.1	8.9	9.4	10.0	9.0
146°	10.5	12.0	12.5	13.3	10.4	10.4	9.1	8.9	9.3	9.8	8.6
147°	10.5	11.5	12.3	13.3	10.0	10.0	9.1	8.8	9.2	9.8	8.8
148°	10.1	11.3	11.9	13.1	9.8	9.8	9.2	8.7	9.2	9.8	8.4
149°	9.7	11.1	11.7	12.5	9.6	9.4	9.2	8.6	9.1	9.7	8.6
150°	9.7	10.7	11.1	12.5	9.4	9.4	8.6	8.5	9.0	9.7	8.6
151°	9.5	10.3	11.0	12.0	9.3	8.9	8.8	8.5	9.0	9.7	8.6
152°	9.3	10.3	10.9	11.7	9.1	9.1	8.8	8.5	8.9	9.7	8.6
153°	9.2	10.1	10.8	11.6	8.9	8.9	8.8	8.5	8.9	9.7	8.6
154°	9.0	9.9	10.7	11.2	8.7	8.9	8.8	8.5	8.9	9.6	8.5
155°	8.8	9.9	10.7	11.4	8.5	8.5	8.8	8.5	8.9	9.6	8.5
156°	8.8	9.9	10.7	10.8	8.3	8.3	8.8	8.5	8.9	9.6	8.5
157°	8.8	9.9	10.7	10.8	8.2	8.3	8.8	8.5	8.9	9.6	8.5
158°	8.8	9.9	10.7	10.7	8.0	8.3	8.8	8.5	9.0	9.6	8.8
159°	8.8	9.9	10.7	10.6	8.0	8.3	8.8	8.5	9.0	9.6	9.1
160°	8.8	9.9	10.7	10.5	8.1	8.3	8.8	8.5	9.0	9.5	9.4
161°	9.0	9.9	10.7	10.4	8.1	8.3	8.8	8.7	9.5	9.9	9.7
162°	9.1	9.9	10.7	10.3	8.1	8.3	8.8	9.7	10.7	10.5	10.0
163°	9.7	9.9	10.7	10.2	8.1	8.3	9.0	10.1	11.2	10.7	10.7
164°	10.1	9.9	10.7	10.0	8.1	8.3	9.0	10.4	11.6	11.3	11.1
165°	10.3	9.9	10.7	10.0	8.1	8.3	9.2	10.6	12.2	11.5	11.5
166°	11.3	10.1	10.7	9.9	8.1	8.3	9.3	10.8	12.4	12.0	11.5
167°	11.4	10.5	10.7	9.8	8.1	8.3	9.3	10.9	13.0	12.0	12.1
168°	11.6	11.3	10.7	9.7	8.1	8.3	9.4	11.1	13.5	12.0	12.7
169°	11.7	11.8	10.7	9.6	8.1	8.3	9.4	11.2	14.1	12.0	12.9
170°	11.8	11.6	10.7	9.5	8.1	8.3	9.5	11.4	14.7	12.0	12.9
171°	11.8	12.2	10.7	9.4	8.1	8.3	9.5	11.5	15.1	12.0	12.9
172°	11.9	12.2	10.7	9.4	8.1	8.3	9.6	11.5	15.4	12.0	12.9
173°	11.9	12.4	10.7	9.4	8.5	8.5	9.8	11.6	15.4	12.0	13.0
174°	11.9	12.5	10.7	9.3	8.3	8.7	10.2	11.6	15.3	12.0	13.0
175°	11.9	12.7	10.7	9.3	8.5	9.1	10.0	11.7	15.2	12.0	13.0
176°	12.0	12.8	10.9	9.3	9.1	9.1	10.0	11.7	15.1	12.0	13.0
177°	12.0	13.0	10.9	9.2	9.3	9.2	10.0	11.8	15.1	12.0	13.0
178°	12.0	13.0	11.3	9.2	9.3	9.2	10.0	12.0	14.9	12.0	13.0
179°	12.0	13.0	11.7	9.2	9.3	9.2	10.0	11.6	14.9	12.0	13.0



TEST NUMBER: P600968
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2964.2	2964.2	2964.2	2964.2	2964.2	2964.2
1°	2964.0	2965.2	2965.5	2964.8	2964.0	2964.4
2°	2963.6	2965.0	2965.9	2965.0	2964.2	2963.6
3°	2962.5	2965.2	2966.1	2965.0	2961.5	2960.5
4°	2959.8	2962.7	2963.6	2962.5	2957.4	2955.3
5°	2956.3	2958.8	2959.8	2959.9	2952.0	2949.5
6°	2951.7	2953.6	2954.9	2955.9	2945.1	2942.0
7°	2946.4	2947.8	2949.1	2950.7	2937.2	2933.1
8°	2939.9	2941.4	2942.4	2943.9	2927.7	2923.5
9°	2932.2	2934.5	2935.2	2936.4	2917.3	2912.9
10°	2924.1	2926.4	2927.1	2927.3	2905.1	2900.5
11°	2915.2	2917.9	2918.5	2917.9	2892.0	2886.8
12°	2904.6	2908.2	2908.2	2906.9	2877.9	2871.8
13°	2893.8	2897.2	2897.2	2894.3	2862.7	2855.7
14°	2881.4	2885.5	2885.6	2880.2	2846.1	2839.1
15°	2868.5	2873.1	2873.7	2865.4	2829.1	2820.8
16°	2854.6	2859.2	2860.2	2849.0	2810.6	2802.1
17°	2839.7	2844.7	2845.9	2832.6	2791.9	2782.8
18°	2824.1	2829.3	2829.5	2814.4	2772.9	2761.2
19°	2807.9	2813.5	2812.9	2795.7	2751.3	2738.6
20°	2789.0	2795.9	2794.7	2776.6	2728.7	2714.8
21°	2769.9	2778.5	2776.0	2756.3	2705.0	2689.8
22°	2750.4	2760.4	2756.9	2735.1	2681.1	2663.7
23°	2730.7	2741.1	2736.5	2711.4	2655.2	2636.7
24°	2709.6	2722.2	2715.4	2688.0	2628.6	2608.9
25°	2687.1	2701.7	2693.0	2663.5	2601.6	2580.7
26°	2664.5	2680.3	2670.3	2636.9	2574.0	2551.2
27°	2641.1	2658.3	2645.8	2610.2	2544.8	2519.7
28°	2617.8	2634.8	2623.2	2583.6	2514.7	2488.7
29°	2593.5	2612.0	2598.7	2555.4	2484.4	2455.5
30°	2568.6	2587.9	2574.3	2526.9	2452.8	2422.5
31°	2543.3	2563.0	2548.5	2497.5	2420.0	2389.3
32°	2517.8	2537.5	2523.4	2467.2	2387.5	2353.8
33°	2491.0	2512.0	2496.8	2436.4	2353.8	2318.8
34°	2463.8	2485.8	2469.4	2405.9	2319.4	2282.9
35°	2436.0	2458.4	2441.6	2374.0	2284.5	2246.1
36°	2409.1	2433.3	2412.4	2341.8	2249.2	2209.4
37°	2380.0	2405.5	2383.7	2309.0	2213.3	2172.0
38°	2350.5	2378.5	2353.0	2274.8	2177.0	2133.5
39°	2322.1	2350.9	2325.4	2240.7	2139.7	2095.3
40°	2292.6	2322.5	2294.7	2206.7	2102.3	2057.7
41°	2263.0	2293.7	2264.4	2172.0	2064.3	2018.7
42°	2232.6	2263.8	2233.5	2135.7	2026.6	1978.2
43°	2202.1	2234.5	2202.3	2100.4	1989.0	1938.0
44°	2170.8	2203.2	2170.4	2063.9	1949.6	1896.6

TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2139.5	2172.5	2137.4	2027.8	1909.8	1855.0
46°	2107.7	2140.9	2105.4	1990.2	1869.6	1813.4
47°	2075.3	2109.4	2071.8	1953.5	1828.7	1771.0
48°	2043.8	2077.2	2038.4	1916.4	1789.0	1728.1
49°	2011.4	2045.5	2006.0	1879.1	1747.8	1684.9
50°	1978.2	2015.1	1970.9	1841.5	1707.1	1641.6
51°	1944.0	1982.0	1937.3	1803.9	1665.0	1597.8
52°	1910.7	1951.0	1901.5	1766.0	1623.2	1554.0
53°	1876.2	1918.8	1867.8	1727.7	1581.7	1510.8
54°	1842.0	1885.6	1832.7	1689.4	1539.0	1465.6
55°	1807.7	1853.1	1796.1	1651.4	1497.8	1421.9
56°	1772.8	1819.9	1761.8	1612.9	1454.8	1377.3
57°	1737.3	1786.4	1725.0	1574.3	1412.8	1333.0
58°	1702.1	1750.9	1688.3	1536.1	1369.9	1287.7
59°	1665.4	1716.3	1651.5	1497.6	1326.9	1242.3
60°	1629.9	1682.0	1615.0	1458.2	1283.0	1197.4
61°	1593.3	1645.9	1578.3	1419.2	1240.1	1151.2
62°	1555.7	1610.9	1541.1	1381.0	1197.1	1105.7
63°	1519.4	1574.5	1503.9	1341.4	1153.5	1058.6
64°	1482.1	1538.5	1466.6	1301.7	1110.4	1013.1
65°	1444.9	1502.1	1429.4	1262.6	1067.5	966.0
66°	1407.8	1465.2	1392.2	1223.4	1024.9	919.2
67°	1369.8	1428.9	1354.1	1183.5	981.5	872.6
68°	1331.6	1391.2	1316.0	1143.5	938.0	826.4
69°	1293.2	1354.1	1277.8	1103.9	895.4	779.9
70°	1254.6	1316.2	1240.5	1064.0	853.1	734.0
71°	1216.0	1278.3	1202.6	1024.2	810.3	687.0
72°	1178.0	1241.6	1164.3	984.9	768.7	642.2
73°	1139.7	1203.1	1125.7	944.9	726.6	596.4
74°	1101.7	1164.8	1087.2	905.9	684.7	550.1
75°	1063.7	1123.8	1049.5	866.1	643.8	504.7
76°	1026.7	1081.7	1011.6	827.6	603.2	460.3
77°	989.4	1041.2	973.7	788.4	562.8	416.9
78°	951.2	998.9	935.8	750.2	523.9	373.9
79°	914.1	958.3	897.6	712.6	485.4	332.1
80°	876.1	919.0	860.2	676.4	447.6	291.5
81°	840.2	879.2	823.2	641.2	410.5	253.0
82°	804.6	841.0	785.9	606.7	375.7	215.2
83°	769.3	804.5	751.1	573.0	341.7	178.5
84°	736.2	769.5	715.8	540.6	309.9	146.6
85°	703.4	736.0	683.0	509.7	280.8	117.5
86°	672.7	705.3	652.2	480.6	254.2	91.8
87°	643.2	674.9	623.1	454.1	229.0	70.7
88°	617.5	649.0	597.1	429.9	207.5	53.0
89°	592.6	625.3	573.1	408.3	188.5	42.5

TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	573.2	603.6	552.7	389.0	173.1	37.6
91°	554.3	584.2	533.3	373.0	162.6	35.9
92°	538.1	566.7	516.5	358.9	153.5	34.7
93°	521.9	550.7	501.2	345.8	144.6	33.8
94°	506.5	535.4	485.1	332.0	135.8	32.8
95°	490.8	519.5	469.5	318.8	127.7	32.2
96°	474.4	504.6	455.1	307.4	119.8	31.5
97°	459.1	490.2	440.6	296.3	112.1	30.7
98°	444.0	475.1	427.0	284.9	105.3	29.9
99°	428.7	461.0	413.5	273.4	98.5	29.4
100°	414.2	447.6	399.0	261.4	92.1	29.0
101°	400.0	433.7	384.7	251.1	86.4	29.0
102°	385.4	420.6	371.1	240.9	80.9	28.4
103°	372.1	407.6	357.5	230.5	75.6	28.0
104°	357.6	394.8	344.7	219.9	71.0	27.3
105°	344.5	382.1	333.2	209.7	65.9	26.9
106°	330.9	370.2	322.0	200.1	61.8	26.3
107°	317.9	357.3	310.4	190.5	57.6	25.9
108°	305.3	344.2	298.1	181.7	53.6	25.2
109°	293.1	331.1	285.6	172.7	49.7	24.8
110°	281.0	318.1	274.2	163.9	45.8	24.2
111°	269.7	305.5	262.3	155.6	42.4	23.8
112°	258.4	293.2	251.3	147.8	39.1	23.5
113°	247.3	281.3	240.5	139.6	36.1	23.3
114°	236.5	269.3	229.8	132.1	33.1	22.9
115°	225.6	258.7	219.5	124.9	30.4	22.5
116°	215.0	247.2	209.1	117.6	27.9	21.8
117°	205.2	236.0	199.1	110.6	26.0	21.4
118°	194.9	224.9	189.2	103.9	25.1	21.2
119°	185.1	214.8	180.3	97.3	24.5	20.6
120°	175.4	204.2	170.5	91.1	23.9	20.2
121°	166.0	194.0	161.5	84.9	23.4	19.6
122°	157.6	184.3	152.7	78.9	23.0	19.3
123°	147.9	174.5	143.9	73.0	22.6	18.5
124°	139.6	164.8	135.4	67.3	22.6	17.7
125°	131.1	156.0	127.2	62.0	22.0	17.4
126°	122.7	147.0	119.2	56.6	21.5	16.6
127°	114.9	138.0	111.1	51.4	20.9	16.4
128°	106.7	129.4	103.4	46.5	20.5	16.0
129°	98.9	121.0	95.8	41.7	19.8	15.6
130°	91.3	112.6	88.1	37.2	19.6	15.3
131°	84.0	104.4	81.3	32.9	18.8	14.7
132°	76.9	96.6	74.2	28.8	18.4	14.3
133°	70.1	89.0	67.6	25.2	17.9	13.7
134°	63.5	81.5	61.5	21.6	17.5	13.5

TEST NUMBER: P600968

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	57.2	74.3	55.4	18.8	16.9	13.3
136°	50.8	67.2	49.4	18.3	16.7	13.2
137°	44.9	60.8	44.0	17.5	16.1	12.6
138°	39.1	54.8	38.5	17.1	15.8	12.4
139°	33.3	48.3	33.3	16.5	15.2	12.0
140°	28.0	42.3	28.4	16.1	14.6	12.0
141°	23.5	36.7	23.9	15.9	14.2	11.4
142°	18.2	31.4	19.8	15.4	13.9	11.3
143°	14.4	26.2	16.6	14.8	13.5	11.2
144°	11.9	21.5	15.8	14.4	12.9	10.7
145°	11.9	17.6	15.4	13.8	12.5	10.7
146°	11.8	15.5	15.2	13.4	12.2	10.5
147°	11.9	15.0	14.7	13.2	12.0	10.5
148°	11.0	14.8	14.5	12.7	11.8	10.1
149°	10.6	14.5	14.3	12.3	11.6	9.7
150°	10.0	13.9	13.9	11.9	11.2	9.7
151°	9.8	13.7	13.5	11.7	11.0	9.5
152°	9.0	13.5	13.3	11.7	10.8	9.3
153°	8.9	12.7	12.7	11.3	10.5	9.2
154°	8.9	12.5	12.5	11.3	10.6	9.0
155°	8.3	12.3	12.3	11.3	10.6	8.8
156°	8.3	12.1	12.1	11.3	10.6	8.8
157°	8.4	12.0	11.9	11.3	10.6	8.8
158°	8.4	11.8	11.8	11.3	10.6	8.8
159°	8.5	11.8	11.6	11.3	10.6	8.8
160°	8.6	11.4	11.6	11.3	10.6	8.8
161°	8.6	11.2	11.6	11.3	10.6	9.0
162°	8.7	11.0	11.2	11.3	10.6	9.1
163°	9.2	11.0	10.8	11.3	10.8	9.7
164°	9.4	10.6	11.0	11.3	11.2	10.1
165°	9.6	10.4	11.0	11.4	11.4	10.3
166°	9.8	10.6	10.9	11.4	11.4	11.3
167°	10.0	10.2	10.9	11.4	11.8	11.4
168°	10.4	10.2	10.9	11.5	12.0	11.6
169°	10.6	10.0	10.9	11.5	12.2	11.7
170°	10.4	10.0	10.8	11.5	12.5	11.8
171°	10.4	9.8	10.8	11.6	12.7	11.8
172°	10.6	9.8	10.8	11.6	13.1	11.9
173°	11.0	9.5	10.2	11.6	13.7	11.9
174°	11.4	9.3	10.2	11.7	13.9	11.9
175°	11.7	9.3	10.0	11.7	14.2	11.9
176°	11.6	9.3	10.0	11.7	14.8	12.0
177°	11.6	9.3	10.0	11.7	14.8	12.0
178°	11.6	9.3	10.0	11.7	14.8	12.0
179°	11.6	9.3	10.0	11.7	14.8	12.0



TEST NUMBER: P600968
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	12.0	12.0	12.0	12.0	12.0	12.0

(END OF REPORT)