

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: P600967

Luminaire Tested: 8APVTLD-SL3C3 MID POWER 4000K 120V

Issue Date: 1/11/2023

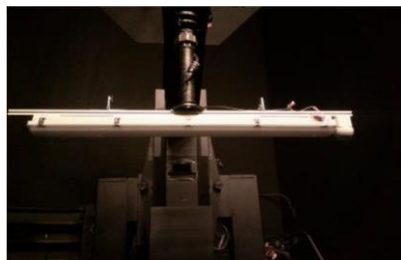
**Test Information**

Test Method: LM-79-2019  
Report Number: P600967  
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 4000K 120V  
Description: MID POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

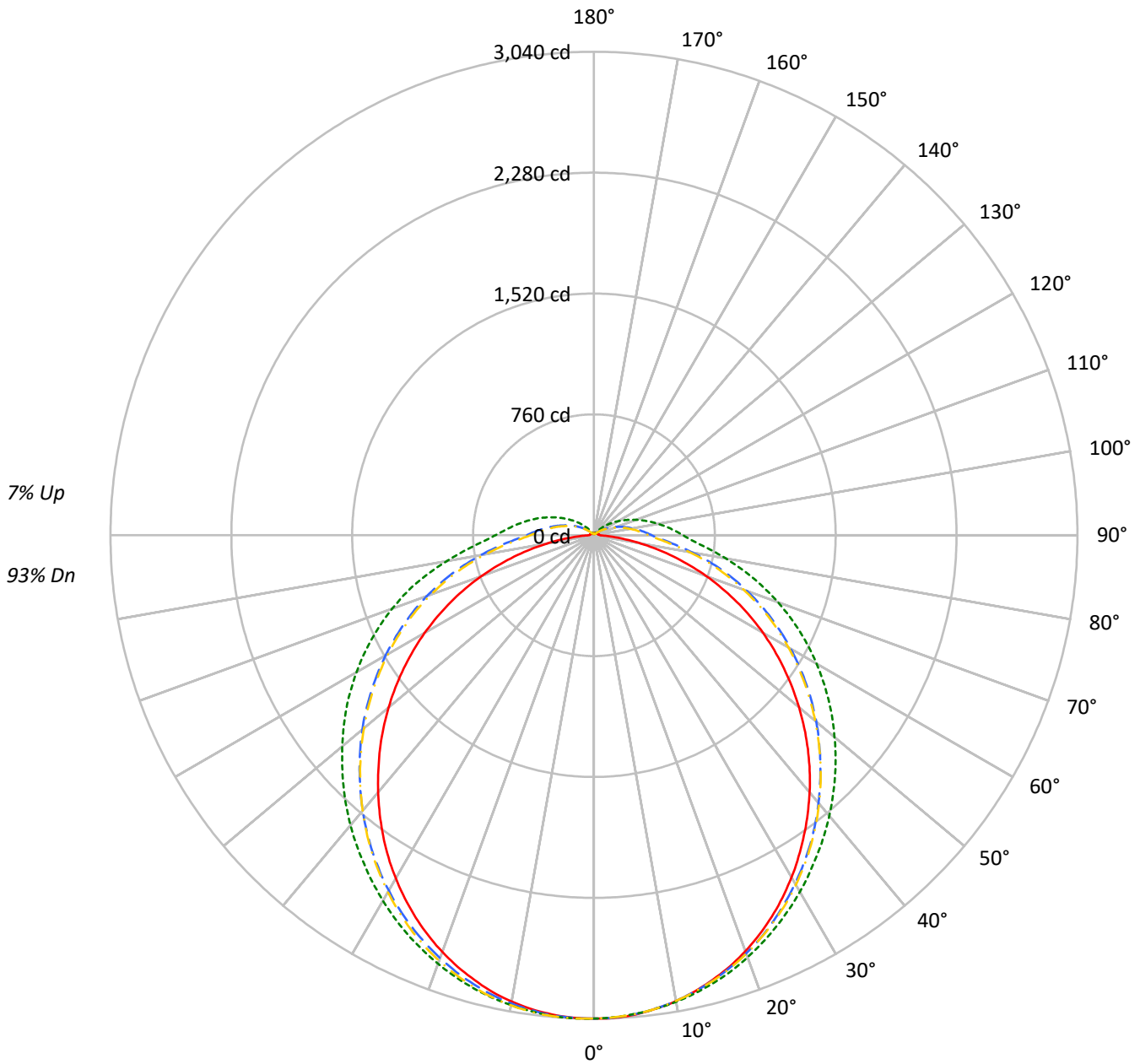
Lumens per Lamp: N/A  
Luminaire Lumens: 10321.3 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

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: P600967  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

### Luminous Intensity Polar Plot



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



TEST NUMBER: P600967

CATALOG NUMBER: 8APVTL-D-SL3C3 MID POWER 4000K 120V

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

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	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°	12268	12268	12268	12268
5°	12243	11977	12243	12030
10°	12167	11695	12181	11779
15°	12053	11410	12070	11538
20°	11912	11119	11932	11287
25°	11728	10828	11756	11050
30°	11508	10546	11542	10807
35°	11266	10272	11298	10570
40°	11021	10029	11025	10372
45°	10746	9790	10748	10173
50°	10440	9555	10450	9996
55°	10109	9332	10122	9854
60°	9736	9107	9748	9716
65°	9254	8869	9272	9576
70°	8635	8613	8658	9442
75°	7767	8346	7788	9297
80°	6558	8099	6565	9059
85°	4987	8064	4958	9060

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 14958 cd/sqm



TEST NUMBER: P600967  
 CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.4	2.8
10°-20°	821.7	8.0
20°-30°	1242.8	12.0
30°-40°	1501.7	14.5
40°-50°	1580.1	15.3
50°-60°	1484.0	14.4
60°-70°	1237.3	12.0
70°-80°	882.7	8.6
80°-90°	517.3	5.0
90°-100°	322.7	3.1
100°-110°	212.2	2.1
110°-120°	125.2	1.2
120°-130°	64.1	0.6
130°-140°	25.0	0.2
140°-150°	8.3	0.1
150°-160°	4.7	0.0
160°-170°	3.0	0.0
170°-180°	1.1	0.0
0°-30°	2352.0	22.8
0°-40°	3853.7	37.3
0°-60°	6917.8	67.0
0°-90°	9555.1	92.6
90°-120°	660.1	6.4
90°-150°	757.4	7.3
90°-180°	766.0	7.4
0°-180°	10321.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3039	3039	3039	3039	3039	
5°	3024	3020	3024	3034	3024	287
15°	2892	2913	2896	2946	2892	816
25°	2646	2715	2652	2770	2646	1218
35°	2303	2449	2310	2521	2303	1441
45°	1902	2144	1902	2228	1902	1467
55°	1458	1800	1460	1900	1458	1303
65°	990	1426	992	1540	990	980
75°	517	1034	519	1152	517	549
85°	120	672	120	755	120	136
90°	39	561	33	619	39	23
95°	33	483	27	533	33	26
105°	28	344	24	392	28	29
115°	23	227	21	265	23	23
125°	18	132	17	160	18	16
135°	14	58	12	76	14	11
145°	11	12	10	18	11	7
155°	9	9	9	13	9	4
165°	11	8	12	11	11	3
175°	12	9	16	10	12	1
180°	12	12	12	12	12	



TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
1°	3039.5	3039.5	3039.5	3038.1	3037.7	3036.5	3037.7	3037.9	3038.7	3038.9	3039.5
2°	3038.7	3037.7	3036.9	3034.9	3034.4	3033.2	3034.8	3035.7	3037.3	3037.3	3038.3
3°	3035.5	3034.2	3033.0	3030.8	3030.8	3029.6	3031.6	3032.2	3034.6	3034.8	3035.9
4°	3030.2	3029.2	3028.2	3025.6	3026.2	3024.7	3027.0	3027.4	3030.2	3030.8	3033.2
5°	3024.3	3023.1	3021.7	3019.7	3020.5	3018.3	3021.1	3020.9	3024.3	3025.6	3029.6
6°	3016.5	3015.2	3014.6	3012.8	3014.0	3011.2	3015.2	3013.6	3018.1	3019.7	3024.1
7°	3007.4	3006.3	3005.5	3005.3	3006.7	3003.9	3006.8	3005.3	3009.8	3012.0	3016.1
8°	2997.5	2996.0	2995.8	2996.6	2998.3	2995.8	2996.0	2995.8	2999.9	3003.3	3008.0
9°	2986.7	2984.3	2985.3	2986.1	2989.2	2985.9	2984.9	2984.7	2989.2	2993.4	2999.3
10°	2974.0	2971.8	2972.8	2975.2	2979.1	2974.2	2972.8	2972.2	2977.4	2982.1	2989.6
11°	2960.0	2958.8	2960.0	2963.1	2968.1	2961.5	2960.0	2958.2	2964.1	2969.8	2978.0
12°	2944.5	2943.9	2945.5	2950.3	2955.8	2948.7	2946.3	2943.5	2949.7	2956.2	2966.1
13°	2928.1	2928.3	2930.5	2937.0	2941.9	2934.6	2931.3	2927.1	2933.6	2940.8	2952.4
14°	2911.1	2910.7	2914.0	2922.7	2927.7	2919.4	2915.2	2908.7	2915.8	2924.5	2938.2
15°	2892.3	2892.5	2896.6	2907.1	2913.2	2904.5	2899.2	2889.3	2896.4	2906.9	2922.9
16°	2873.1	2873.3	2879.0	2891.3	2897.8	2888.7	2881.8	2869.5	2876.4	2887.1	2906.1
17°	2853.3	2854.3	2860.2	2873.7	2881.6	2870.9	2862.6	2848.5	2856.5	2867.9	2889.1
18°	2831.1	2833.1	2840.8	2854.9	2863.4	2851.3	2842.2	2826.6	2835.1	2847.0	2869.3
19°	2808.0	2810.0	2820.6	2835.9	2843.8	2831.5	2821.8	2803.4	2812.1	2825.0	2849.9
20°	2783.6	2786.2	2798.7	2815.7	2824.0	2811.9	2800.3	2780.3	2788.2	2802.2	2829.5
21°	2757.9	2760.9	2775.5	2796.1	2803.2	2790.8	2777.9	2756.1	2763.1	2777.9	2808.4
22°	2731.2	2735.0	2752.0	2775.1	2782.6	2769.2	2754.0	2731.4	2736.9	2753.4	2786.0
23°	2703.5	2707.3	2726.8	2751.2	2760.9	2746.6	2730.0	2704.9	2709.6	2727.2	2763.1
24°	2675.0	2680.1	2700.5	2727.8	2738.3	2722.9	2705.1	2678.0	2680.7	2700.5	2739.5
25°	2646.1	2652.2	2674.2	2703.1	2714.6	2699.1	2679.2	2651.1	2652.4	2672.4	2714.8
26°	2615.8	2622.6	2646.1	2679.7	2691.2	2675.2	2652.8	2622.4	2621.4	2645.1	2689.4
27°	2583.6	2592.5	2618.0	2654.0	2666.3	2649.5	2625.9	2592.7	2590.3	2616.0	2663.9
28°	2551.7	2561.2	2588.9	2628.3	2641.2	2623.3	2598.2	2561.2	2557.9	2585.6	2636.6
29°	2517.7	2529.4	2559.8	2601.0	2615.6	2596.8	2569.7	2529.8	2525.2	2554.7	2609.1
30°	2483.8	2496.9	2529.2	2573.9	2589.3	2569.9	2539.1	2497.1	2491.2	2523.0	2580.0
31°	2449.8	2464.1	2498.7	2545.4	2562.8	2542.0	2508.2	2463.3	2457.7	2490.8	2551.3
32°	2413.4	2429.2	2468.0	2516.9	2534.9	2513.7	2477.1	2429.4	2422.1	2458.5	2521.2
33°	2377.6	2394.2	2435.4	2488.6	2506.2	2485.0	2444.5	2394.0	2385.1	2424.5	2490.4
34°	2340.8	2359.2	2403.7	2458.5	2477.9	2455.1	2411.8	2357.8	2348.7	2390.2	2460.3
35°	2303.0	2322.0	2371.6	2428.0	2449.4	2424.9	2378.8	2322.0	2309.5	2355.4	2428.4
36°	2265.4	2285.4	2337.8	2397.4	2421.3	2394.0	2344.7	2284.6	2270.9	2320.0	2395.8
37°	2227.0	2249.0	2303.6	2367.9	2392.0	2363.7	2309.5	2245.6	2231.5	2283.4	2363.1
38°	2187.6	2211.0	2268.3	2335.6	2363.5	2332.5	2275.3	2206.8	2191.8	2246.8	2329.9
39°	2148.4	2172.0	2233.3	2305.2	2333.4	2301.0	2239.1	2167.6	2151.6	2209.2	2296.0
40°	2109.8	2133.6	2195.7	2273.3	2302.6	2269.5	2203.0	2128.2	2110.6	2170.8	2262.4
41°	2069.9	2095.0	2160.5	2241.8	2271.5	2237.9	2166.4	2088.3	2069.7	2132.0	2227.4
42°	2028.3	2055.6	2123.1	2208.8	2240.4	2204.8	2128.8	2048.7	2028.3	2093.2	2191.8
43°	1987.2	2016.0	2086.7	2175.7	2208.0	2171.2	2090.6	2007.3	1986.2	2053.8	2156.3
44°	1944.7	1974.9	2049.7	2142.7	2176.3	2137.5	2052.3	1965.9	1944.9	2014.3	2120.1

TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1902.0	1933.7	2013.1	2108.7	2143.7	2103.5	2013.1	1924.2	1902.4	1974.3	2084.1
46°	1859.4	1892.6	1975.9	2075.2	2110.8	2070.9	1973.9	1882.1	1860.0	1933.1	2048.3
47°	1815.9	1850.9	1938.2	2041.0	2077.4	2035.0	1934.7	1840.3	1816.5	1892.5	2011.7
48°	1771.9	1808.5	1900.7	2006.0	2043.9	2000.8	1896.0	1798.0	1773.4	1851.1	1974.8
49°	1727.6	1765.4	1863.2	1970.7	2009.7	1964.9	1855.4	1754.6	1728.9	1809.5	1937.6
50°	1683.2	1723.0	1824.8	1934.8	1974.9	1928.8	1816.1	1711.4	1684.7	1766.9	1900.2
51°	1638.3	1679.5	1785.5	1899.8	1941.5	1893.4	1776.1	1667.7	1641.0	1725.2	1863.4
52°	1593.4	1636.1	1746.7	1864.1	1905.3	1857.7	1736.7	1624.3	1595.8	1681.4	1824.4
53°	1549.0	1592.5	1708.1	1829.4	1871.1	1820.9	1696.4	1580.4	1550.7	1640.0	1786.1
54°	1502.8	1548.7	1668.6	1792.8	1835.5	1783.4	1656.8	1536.3	1505.3	1596.4	1747.7
55°	1457.9	1504.7	1628.9	1754.6	1799.5	1746.4	1616.5	1492.0	1459.7	1552.9	1709.6
56°	1412.2	1461.2	1589.5	1717.9	1763.3	1708.3	1575.1	1447.7	1414.4	1509.2	1670.1
57°	1366.7	1417.1	1548.5	1680.0	1727.1	1670.8	1535.2	1402.4	1368.2	1465.7	1631.0
58°	1320.4	1372.4	1508.8	1641.9	1690.2	1633.2	1493.8	1357.5	1322.1	1422.5	1591.5
59°	1273.8	1327.7	1468.5	1602.9	1654.2	1594.1	1454.0	1312.7	1275.6	1379.0	1552.2
60°	1227.7	1283.8	1428.9	1564.2	1616.6	1555.6	1412.7	1267.9	1229.3	1336.1	1513.4
61°	1180.4	1240.5	1388.6	1525.6	1579.5	1517.4	1371.8	1222.5	1181.9	1291.3	1474.3
62°	1133.7	1196.8	1348.4	1486.9	1541.1	1477.7	1330.6	1177.5	1134.8	1248.1	1433.7
63°	1085.4	1152.5	1308.3	1448.8	1503.5	1438.8	1290.2	1132.6	1087.0	1205.3	1394.8
64°	1038.7	1107.8	1268.0	1410.7	1465.4	1399.3	1249.8	1088.1	1040.2	1160.9	1355.4
65°	990.5	1063.9	1227.8	1372.2	1426.4	1360.2	1208.6	1043.9	992.5	1116.9	1316.3
66°	942.4	1019.1	1187.6	1334.1	1388.5	1320.3	1166.9	998.8	944.3	1073.3	1276.3
67°	894.7	974.9	1145.9	1295.3	1349.3	1280.5	1125.7	955.5	897.4	1030.6	1236.8
68°	847.3	931.4	1105.0	1255.4	1310.1	1241.7	1084.6	911.1	849.8	986.5	1196.9
69°	799.7	887.8	1064.6	1215.5	1270.4	1201.3	1043.2	866.9	801.5	942.6	1156.6
70°	752.6	844.8	1024.1	1176.1	1231.1	1162.0	1001.8	823.6	754.6	899.0	1116.7
71°	704.4	800.9	983.6	1135.1	1191.6	1122.0	961.0	780.0	706.5	856.6	1077.0
72°	658.5	758.5	944.7	1093.4	1152.5	1083.0	920.6	737.2	659.4	814.2	1037.4
73°	611.5	716.5	904.9	1053.0	1112.3	1043.6	879.5	694.3	612.0	771.4	997.3
74°	564.0	674.8	865.6	1011.9	1074.0	1004.8	840.6	652.0	565.1	729.7	957.5
75°	517.4	634.1	825.7	972.4	1034.4	965.1	800.6	610.1	518.8	688.1	917.5
76°	472.0	593.4	786.3	933.5	995.7	926.3	762.2	568.7	472.7	646.9	877.2
77°	427.5	553.1	746.9	894.4	956.8	888.1	723.8	529.0	428.0	607.4	838.5
78°	383.4	514.8	707.6	857.3	917.8	849.4	685.0	490.3	384.0	568.8	799.1
79°	340.5	474.5	668.5	818.5	878.8	811.9	648.1	452.6	340.7	529.3	761.0
80°	298.8	437.8	630.9	782.1	842.4	775.1	611.4	415.1	299.1	491.7	724.3
81°	259.4	402.6	594.9	745.9	804.6	738.5	574.9	378.8	260.7	454.4	686.6
82°	220.7	368.3	559.5	708.8	770.4	704.2	540.8	343.8	221.6	417.6	650.0
83°	183.0	335.7	526.0	675.0	735.2	669.6	507.0	310.1	184.9	383.1	615.4
84°	150.3	304.4	494.7	642.1	703.1	638.7	475.8	279.2	151.2	349.2	582.4
85°	120.5	275.0	467.2	611.9	671.7	607.9	446.6	250.1	119.8	317.6	550.3
86°	94.1	249.2	440.5	583.5	643.6	579.6	419.1	223.8	92.6	288.1	518.8
87°	72.5	226.5	416.2	558.7	616.7	553.0	395.0	201.3	70.5	262.0	489.6
88°	54.4	206.6	395.7	536.8	595.8	532.9	375.2	182.0	52.8	240.1	464.0
89°	43.6	189.8	377.0	516.7	576.2	513.6	357.5	165.4	39.8	221.0	442.3



TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	38.6	178.5	363.3	501.1	560.6	498.7	343.8	153.4	32.6	204.4	423.9
91°	36.8	168.7	350.4	485.7	543.9	482.4	329.9	144.2	30.3	192.2	407.4
92°	35.6	159.9	338.4	471.2	528.3	468.6	318.2	135.6	29.1	181.6	392.7
93°	34.6	150.9	326.1	457.9	513.4	453.9	306.9	127.3	28.3	171.1	378.5
94°	33.6	142.8	314.3	443.7	497.0	439.5	295.4	119.7	27.6	161.6	364.8
95°	33.0	134.5	302.7	430.7	482.8	425.9	283.9	112.0	27.2	152.0	350.6
96°	32.3	126.5	290.9	417.4	467.6	411.3	272.8	104.9	26.0	143.2	337.3
97°	31.5	119.2	279.6	403.8	453.9	398.3	262.9	98.0	25.6	134.4	324.1
98°	30.7	112.5	268.5	391.3	438.5	385.2	252.4	91.9	25.4	126.2	311.7
99°	30.1	105.8	258.3	378.7	424.6	372.5	242.1	85.7	25.2	118.4	299.1
100°	29.7	99.6	247.7	365.9	410.4	359.7	231.1	80.0	25.0	111.1	287.2
101°	29.7	93.8	237.1	353.4	397.1	346.8	221.2	74.9	24.8	103.9	275.7
102°	29.1	88.0	227.4	340.9	382.7	333.6	211.8	69.8	24.6	97.5	264.4
103°	28.8	82.5	217.4	328.2	370.7	321.5	203.0	64.8	24.4	90.9	253.8
104°	28.0	77.6	207.8	316.2	356.3	308.9	194.0	60.4	24.2	85.1	242.4
105°	27.6	72.7	199.1	304.3	344.3	298.2	184.9	56.1	24.0	79.8	231.7
106°	27.0	67.9	189.8	292.3	331.0	286.7	175.8	51.9	23.6	74.0	221.5
107°	26.6	64.0	181.1	280.6	318.7	276.0	167.1	47.7	22.9	68.9	211.2
108°	25.8	59.6	172.5	269.1	306.3	265.4	158.2	43.8	22.7	63.8	201.1
109°	25.4	55.3	164.5	258.7	294.7	255.1	150.4	40.7	22.7	59.5	191.6
110°	24.8	51.2	156.5	247.9	282.5	243.7	142.0	36.8	22.3	55.1	182.2
111°	24.4	47.6	148.9	237.0	271.1	233.4	134.8	33.6	21.9	50.4	173.2
112°	24.1	43.7	140.8	226.9	260.1	222.2	127.5	30.4	21.6	46.4	164.4
113°	23.9	40.2	133.3	216.7	249.1	211.9	120.1	27.6	21.4	42.5	155.9
114°	23.5	37.0	126.3	206.5	238.5	201.5	113.0	24.9	21.1	38.2	147.5
115°	23.1	33.7	119.1	197.1	227.0	191.3	106.2	22.8	20.8	34.8	139.4
116°	22.3	30.9	112.1	187.2	217.5	181.2	99.6	21.4	20.5	31.1	131.4
117°	21.9	28.4	105.6	178.3	206.4	172.4	93.8	20.6	20.5	28.1	123.8
118°	21.7	26.2	99.2	169.1	196.9	164.0	86.9	19.3	19.5	25.2	115.9
119°	21.1	24.5	92.4	160.2	187.1	155.4	81.1	18.9	19.0	22.6	109.0
120°	20.7	23.9	86.2	151.8	177.5	147.0	74.8	18.5	19.1	20.1	101.9
121°	20.1	23.3	80.2	143.6	167.8	138.1	68.8	18.0	18.2	19.0	94.8
122°	19.8	22.7	74.4	135.2	159.7	130.1	63.5	17.6	18.2	18.8	88.2
123°	19.0	22.3	68.9	127.2	150.0	122.1	58.5	17.2	17.8	18.8	81.3
124°	18.2	21.9	63.9	119.5	141.7	114.2	52.9	16.7	17.0	19.0	75.1
125°	17.8	21.5	58.3	111.9	132.0	106.7	47.9	16.5	16.6	18.6	69.1
126°	17.0	20.9	53.0	104.5	124.5	98.8	43.1	16.2	16.0	17.2	63.2
127°	16.8	20.6	48.0	96.9	116.1	91.6	38.5	16.0	15.8	16.0	58.0
128°	16.4	20.0	43.3	89.9	108.3	84.6	33.9	15.6	15.3	15.9	52.1
129°	16.0	19.4	38.7	82.9	100.1	77.2	29.9	15.0	14.9	15.7	46.8
130°	15.6	18.8	34.1	75.9	93.2	71.0	25.7	15.0	14.6	15.3	41.4
131°	15.1	18.6	30.0	69.3	84.8	64.0	21.8	15.2	13.5	15.1	36.4
132°	14.7	18.2	26.2	63.4	78.6	58.6	18.6	14.4	12.9	14.9	31.6
133°	14.1	17.4	22.5	57.3	71.1	52.6	15.3	13.4	12.5	14.1	27.3
134°	13.9	17.0	19.1	51.6	64.5	46.6	13.8	12.9	11.9	13.9	23.0





TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	13.7	16.8	17.3	46.2	58.3	41.4	13.4	12.5	11.7	13.5	18.8
136°	13.5	16.2	16.9	40.6	51.8	36.1	12.6	12.1	11.3	12.9	15.3
137°	12.9	16.0	16.3	35.6	45.9	31.0	12.2	11.9	10.6	12.3	13.6
138°	12.7	15.5	15.9	30.8	39.9	26.6	11.8	11.9	10.4	11.9	13.0
139°	12.3	14.7	15.3	26.3	34.3	21.9	11.6	11.5	10.0	11.9	12.2
140°	12.3	14.5	14.9	21.8	29.1	17.9	11.2	11.5	10.0	12.1	12.0
141°	11.7	14.1	14.6	18.0	24.3	14.6	10.8	10.7	9.9	11.7	12.2
142°	11.5	13.9	14.2	15.4	19.1	12.2	10.2	9.9	9.8	10.9	11.2
143°	11.5	13.3	14.0	14.8	15.2	11.9	9.8	9.9	9.8	10.7	10.4
144°	11.0	13.1	13.6	14.4	11.9	11.8	9.3	9.5	9.7	10.5	10.0
145°	10.9	12.5	13.0	14.2	11.5	11.1	9.3	9.2	9.6	10.3	9.2
146°	10.8	12.3	12.8	13.6	10.7	10.7	9.3	9.1	9.5	10.0	8.9
147°	10.8	11.7	12.6	13.6	10.3	10.3	9.4	9.0	9.5	10.0	9.0
148°	10.4	11.5	12.2	13.4	10.1	10.1	9.4	8.9	9.4	10.0	8.7
149°	10.0	11.4	12.0	12.8	9.9	9.7	9.4	8.8	9.3	10.0	8.8
150°	10.0	11.0	11.4	12.8	9.7	9.7	8.9	8.8	9.3	10.0	8.8
151°	9.8	10.6	11.3	12.3	9.5	9.1	9.1	8.8	9.2	10.0	8.8
152°	9.6	10.6	11.2	12.0	9.3	9.3	9.1	8.8	9.1	9.9	8.8
153°	9.4	10.4	11.1	11.8	9.1	9.1	9.1	8.8	9.1	9.9	8.8
154°	9.2	10.2	11.0	11.5	8.9	9.1	9.1	8.8	9.1	9.9	8.8
155°	9.0	10.2	11.0	11.7	8.7	8.7	9.1	8.8	9.2	9.9	8.7
156°	9.0	10.2	11.0	11.1	8.5	8.5	9.1	8.8	9.2	9.9	8.7
157°	9.0	10.2	11.0	11.1	8.4	8.5	9.1	8.8	9.2	9.8	8.7
158°	9.0	10.2	11.0	11.0	8.2	8.5	9.1	8.8	9.2	9.8	9.0
159°	9.0	10.2	11.0	10.9	8.2	8.5	9.1	8.8	9.2	9.8	9.3
160°	9.0	10.2	11.0	10.8	8.3	8.5	9.1	8.8	9.2	9.8	9.6
161°	9.2	10.2	11.0	10.7	8.3	8.5	9.1	9.0	9.8	10.2	9.9
162°	9.4	10.2	11.0	10.6	8.3	8.5	9.1	9.9	11.0	10.8	10.2
163°	10.0	10.2	11.0	10.5	8.3	8.5	9.3	10.3	11.5	11.0	11.0
164°	10.4	10.2	11.0	10.3	8.3	8.5	9.3	10.7	11.9	11.5	11.4
165°	10.6	10.2	11.0	10.3	8.3	8.5	9.4	10.9	12.5	11.7	11.8
166°	11.5	10.4	11.0	10.2	8.3	8.5	9.5	11.1	12.7	12.3	11.8
167°	11.7	10.8	11.0	10.1	8.3	8.5	9.6	11.2	13.3	12.3	12.4
168°	11.8	11.5	11.0	10.0	8.3	8.5	9.6	11.4	13.9	12.3	13.0
169°	12.0	12.1	11.0	9.9	8.3	8.5	9.7	11.5	14.5	12.3	13.2
170°	12.1	11.9	11.0	9.8	8.3	8.5	9.7	11.7	15.1	12.3	13.2
171°	12.1	12.5	11.0	9.7	8.3	8.5	9.8	11.7	15.4	12.3	13.2
172°	12.2	12.5	11.0	9.6	8.3	8.5	9.8	11.8	15.8	12.3	13.3
173°	12.2	12.7	11.0	9.6	8.7	8.7	10.0	11.9	15.8	12.3	13.3
174°	12.2	12.8	11.0	9.6	8.5	8.9	10.4	11.9	15.7	12.3	13.3
175°	12.3	13.0	11.0	9.5	8.7	9.3	10.2	12.0	15.6	12.3	13.3
176°	12.3	13.2	11.2	9.5	9.3	9.3	10.2	12.0	15.5	12.3	13.4
177°	12.3	13.3	11.2	9.5	9.5	9.5	10.2	12.1	15.4	12.3	13.4
178°	12.3	13.3	11.6	9.5	9.5	9.5	10.2	12.3	15.3	12.3	13.4
179°	12.3	13.3	12.0	9.5	9.5	9.5	10.2	11.9	15.3	12.3	13.4



TEST NUMBER: P600967  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3

TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
1°	3039.1	3040.3	3040.7	3039.9	3039.1	3039.5
2°	3038.7	3040.1	3041.1	3040.1	3039.3	3038.7
3°	3037.5	3040.3	3041.3	3040.1	3036.5	3035.5
4°	3034.8	3037.7	3038.7	3037.5	3032.4	3030.2
5°	3031.2	3033.8	3034.8	3034.9	3026.8	3024.3
6°	3026.4	3028.4	3029.8	3030.8	3019.7	3016.5
7°	3021.1	3022.5	3023.9	3025.5	3011.6	3007.4
8°	3014.4	3016.0	3016.9	3018.5	3001.9	2997.5
9°	3006.5	3008.8	3009.6	3010.8	2991.2	2986.7
10°	2998.1	3000.5	3001.3	3001.5	2978.7	2974.0
11°	2989.0	2991.8	2992.4	2991.8	2965.3	2960.0
12°	2978.2	2981.9	2981.9	2980.5	2950.8	2944.5
13°	2967.1	2970.6	2970.6	2967.7	2935.2	2928.1
14°	2954.4	2958.6	2958.8	2953.2	2918.2	2911.1
15°	2941.2	2945.9	2946.5	2938.0	2900.8	2892.3
16°	2926.9	2931.7	2932.6	2921.2	2881.8	2873.1
17°	2911.7	2916.8	2918.0	2904.3	2862.6	2853.3
18°	2895.6	2901.0	2901.2	2885.7	2843.2	2831.1
19°	2879.0	2884.8	2884.2	2866.5	2821.0	2808.0
20°	2859.6	2866.7	2865.6	2847.0	2797.9	2783.6
21°	2840.0	2848.9	2846.4	2826.2	2773.5	2757.9
22°	2820.0	2830.3	2826.8	2804.4	2749.0	2731.2
23°	2799.9	2810.5	2805.8	2780.1	2722.5	2703.5
24°	2778.3	2791.2	2784.2	2756.1	2695.2	2675.0
25°	2755.1	2770.2	2761.3	2731.0	2667.5	2646.1
26°	2732.0	2748.2	2737.9	2703.7	2639.2	2615.8
27°	2708.0	2725.7	2712.8	2676.4	2609.3	2583.6
28°	2684.1	2701.5	2689.6	2649.1	2578.4	2551.7
29°	2659.2	2678.2	2664.5	2620.2	2547.4	2517.7
30°	2633.6	2653.4	2639.6	2590.9	2514.9	2483.8
31°	2607.7	2627.9	2613.1	2560.8	2481.3	2449.8
32°	2581.6	2601.8	2587.3	2529.8	2448.0	2413.4
33°	2554.1	2575.7	2560.0	2498.1	2413.4	2377.6
34°	2526.2	2548.7	2531.9	2466.8	2378.2	2340.8
35°	2497.7	2520.6	2503.4	2434.2	2342.4	2303.0
36°	2470.2	2494.9	2473.6	2401.1	2306.1	2265.4
37°	2440.3	2466.4	2444.1	2367.5	2269.3	2227.0
38°	2410.0	2438.7	2412.6	2332.5	2232.1	2187.6
39°	2380.9	2410.4	2384.3	2297.4	2193.9	2148.4
40°	2350.7	2381.3	2352.8	2262.6	2155.6	2109.8
41°	2320.4	2351.9	2321.8	2227.0	2116.6	2069.9
42°	2289.1	2321.2	2290.1	2189.8	2078.0	2028.3
43°	2257.9	2291.1	2258.1	2153.6	2039.4	1987.2
44°	2225.8	2259.0	2225.4	2116.2	1999.0	1944.7

TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2193.7	2227.6	2191.6	2079.2	1958.2	1902.0
46°	2161.1	2195.1	2158.7	2040.6	1917.0	1859.4
47°	2127.8	2162.9	2124.3	2003.0	1875.0	1815.9
48°	2095.6	2129.8	2090.1	1965.0	1834.3	1771.9
49°	2062.3	2097.4	2056.8	1926.7	1792.1	1727.6
50°	2028.3	2066.1	2020.8	1888.1	1750.3	1683.2
51°	1993.3	2032.3	1986.4	1849.6	1707.1	1638.3
52°	1959.2	2000.4	1949.6	1810.7	1664.3	1593.4
53°	1923.8	1967.4	1915.1	1771.4	1621.8	1549.0
54°	1888.6	1933.4	1879.1	1732.2	1578.0	1502.8
55°	1853.5	1900.1	1841.6	1693.2	1535.8	1457.9
56°	1817.7	1866.0	1806.4	1653.8	1491.6	1412.2
57°	1781.4	1831.7	1768.7	1614.2	1448.6	1366.7
58°	1745.2	1795.2	1731.1	1575.0	1404.6	1320.4
59°	1707.6	1759.8	1693.4	1535.5	1360.5	1273.8
60°	1671.2	1724.6	1655.9	1495.2	1315.5	1227.7
61°	1633.7	1687.6	1618.3	1455.1	1271.5	1180.4
62°	1595.2	1651.8	1580.1	1416.0	1227.4	1133.7
63°	1557.9	1614.4	1542.0	1375.4	1182.7	1085.4
64°	1519.6	1577.5	1503.8	1334.7	1138.5	1038.7
65°	1481.5	1540.2	1465.6	1294.6	1094.5	990.5
66°	1443.4	1502.3	1427.5	1254.4	1050.8	942.4
67°	1404.5	1465.1	1388.4	1213.5	1006.3	894.7
68°	1365.4	1426.4	1349.3	1172.4	961.8	847.3
69°	1325.9	1388.4	1310.2	1131.9	918.1	799.7
70°	1286.4	1349.6	1272.0	1090.9	874.7	752.6
71°	1246.8	1310.6	1233.1	1050.2	830.9	704.4
72°	1207.9	1273.0	1193.8	1009.8	788.2	658.5
73°	1168.6	1233.6	1154.2	968.9	745.0	611.5
74°	1129.6	1194.3	1114.7	928.9	702.1	564.0
75°	1090.6	1152.3	1076.1	888.0	660.1	517.4
76°	1052.7	1109.1	1037.2	848.5	618.5	472.0
77°	1014.4	1067.6	998.4	808.4	577.1	427.5
78°	975.3	1024.2	959.5	769.2	537.2	383.4
79°	937.2	982.6	920.3	730.6	497.7	340.5
80°	898.3	942.3	882.0	693.6	459.0	298.8
81°	861.5	901.5	844.0	657.4	420.9	259.4
82°	825.0	862.3	805.8	622.1	385.2	220.7
83°	788.8	824.9	770.1	587.5	350.3	183.0
84°	754.8	789.0	733.9	554.3	317.7	150.3
85°	721.2	754.6	700.3	522.6	287.9	120.5
86°	689.7	723.1	668.8	492.8	260.6	94.1
87°	659.5	692.0	638.9	465.6	234.8	72.5
88°	633.1	665.4	612.2	440.8	212.8	54.4
89°	607.6	641.1	587.6	418.6	193.3	43.6

TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	587.8	618.9	566.7	398.9	177.5	38.6
91°	568.3	599.0	546.8	382.4	166.7	36.8
92°	551.8	581.1	529.6	368.0	157.4	35.6
93°	535.2	564.6	513.9	354.5	148.3	34.6
94°	519.4	548.9	497.4	340.4	139.2	33.6
95°	503.2	532.6	481.4	326.9	130.9	33.0
96°	486.4	517.4	466.7	315.2	122.9	32.3
97°	470.7	502.6	451.8	303.8	114.9	31.5
98°	455.3	487.1	437.8	292.1	108.0	30.7
99°	439.6	472.7	423.9	280.3	101.0	30.1
100°	424.7	459.0	409.1	268.1	94.4	29.7
101°	410.2	444.7	394.4	257.5	88.6	29.7
102°	395.2	431.2	380.5	247.0	83.0	29.1
103°	381.5	417.9	366.5	236.3	77.5	28.8
104°	366.6	404.8	353.4	225.5	72.8	28.0
105°	353.3	391.7	341.6	215.1	67.5	27.6
106°	339.3	379.6	330.1	205.1	63.4	27.0
107°	326.0	366.3	318.2	195.3	59.0	26.6
108°	313.0	352.9	305.7	186.3	55.0	25.8
109°	300.5	339.5	292.8	177.1	51.0	25.4
110°	288.2	326.2	281.2	168.1	47.0	24.8
111°	276.5	313.2	269.0	159.6	43.5	24.4
112°	264.9	300.7	257.7	151.6	40.1	24.1
113°	253.6	288.5	246.5	143.2	37.0	23.9
114°	242.5	276.1	235.6	135.4	33.9	23.5
115°	231.3	265.2	225.0	128.1	31.2	23.1
116°	220.4	253.4	214.4	120.5	28.6	22.3
117°	210.4	242.0	204.2	113.4	26.7	21.9
118°	199.8	230.6	194.0	106.5	25.7	21.7
119°	189.8	220.2	184.8	99.7	25.1	21.1
120°	179.8	209.3	174.8	93.4	24.5	20.7
121°	170.2	198.9	165.5	87.1	24.0	20.1
122°	161.6	188.9	156.6	80.9	23.6	19.8
123°	151.6	178.9	147.5	74.8	23.2	19.0
124°	143.1	169.0	138.8	69.0	23.2	18.2
125°	134.5	160.0	130.4	63.6	22.6	17.8
126°	125.8	150.7	122.3	58.1	22.0	17.0
127°	117.8	141.4	113.9	52.7	21.4	16.8
128°	109.4	132.7	106.1	47.7	21.0	16.4
129°	101.4	124.1	98.3	42.8	20.3	16.0
130°	93.6	115.5	90.3	38.2	20.1	15.6
131°	86.1	107.0	83.3	33.8	19.3	15.1
132°	78.9	99.0	76.1	29.6	18.9	14.7
133°	71.9	91.2	69.3	25.8	18.3	14.1
134°	65.1	83.6	63.0	22.1	17.9	13.9

TEST NUMBER: P600967

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	58.7	76.1	56.8	19.3	17.3	13.7
136°	52.1	69.0	50.7	18.7	17.1	13.5
137°	46.1	62.4	45.1	17.9	16.6	12.9
138°	40.1	56.2	39.5	17.5	16.2	12.7
139°	34.1	49.5	34.2	16.9	15.6	12.3
140°	28.7	43.3	29.1	16.5	15.0	12.3
141°	24.1	37.7	24.5	16.3	14.6	11.7
142°	18.7	32.2	20.3	15.7	14.2	11.5
143°	14.7	26.8	17.0	15.2	13.8	11.5
144°	12.2	22.0	16.2	14.8	13.2	11.0
145°	12.2	18.0	15.8	14.2	12.9	10.9
146°	12.0	15.9	15.6	13.8	12.5	10.8
147°	12.2	15.4	15.0	13.6	12.3	10.8
148°	11.3	15.2	14.8	13.0	12.1	10.4
149°	10.8	14.8	14.6	12.6	11.9	10.0
150°	10.3	14.3	14.2	12.2	11.5	10.0
151°	10.1	14.0	13.8	12.0	11.3	9.8
152°	9.3	13.8	13.6	12.0	11.1	9.6
153°	9.1	13.1	13.0	11.6	10.7	9.4
154°	9.1	12.9	12.8	11.6	10.9	9.2
155°	8.5	12.7	12.6	11.6	10.9	9.0
156°	8.5	12.5	12.4	11.6	10.9	9.0
157°	8.6	12.3	12.2	11.6	10.9	9.0
158°	8.7	12.1	12.1	11.6	10.9	9.0
159°	8.7	12.1	11.9	11.6	10.9	9.0
160°	8.8	11.7	11.9	11.6	10.9	9.0
161°	8.8	11.5	11.9	11.6	10.9	9.2
162°	8.9	11.3	11.5	11.6	10.9	9.4
163°	9.5	11.3	11.1	11.6	11.1	10.0
164°	9.7	10.9	11.3	11.6	11.5	10.4
165°	9.9	10.7	11.2	11.7	11.7	10.6
166°	10.1	10.9	11.2	11.7	11.7	11.5
167°	10.3	10.5	11.2	11.7	12.1	11.7
168°	10.7	10.5	11.2	11.8	12.3	11.8
169°	10.9	10.3	11.1	11.8	12.5	12.0
170°	10.7	10.3	11.1	11.8	12.9	12.1
171°	10.7	10.1	11.1	11.9	13.0	12.1
172°	10.9	10.1	11.1	11.9	13.4	12.2
173°	11.3	9.7	10.5	11.9	14.0	12.2
174°	11.7	9.5	10.5	11.9	14.2	12.2
175°	12.0	9.5	10.3	12.0	14.6	12.3
176°	11.8	9.5	10.3	12.0	15.2	12.3
177°	11.8	9.5	10.3	12.0	15.2	12.3
178°	11.8	9.5	10.3	12.0	15.2	12.3
179°	11.8	9.5	10.3	12.0	15.2	12.3



TEST NUMBER: P600967  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	12.3	12.3	12.3	12.3	12.3	12.3

(END OF REPORT)