

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: P600966

Luminaire Tested: 8APVTLD-SL3C3 MID POWER 3500K 120V

Issue Date: 1/11/2023

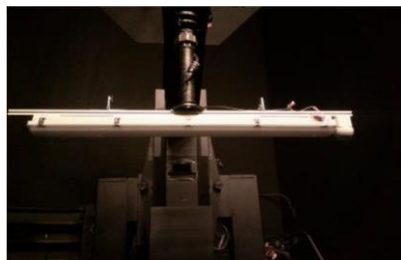
Test Information

Test Method: LM-79-2019
Report Number: P600966
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 3500K 120V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

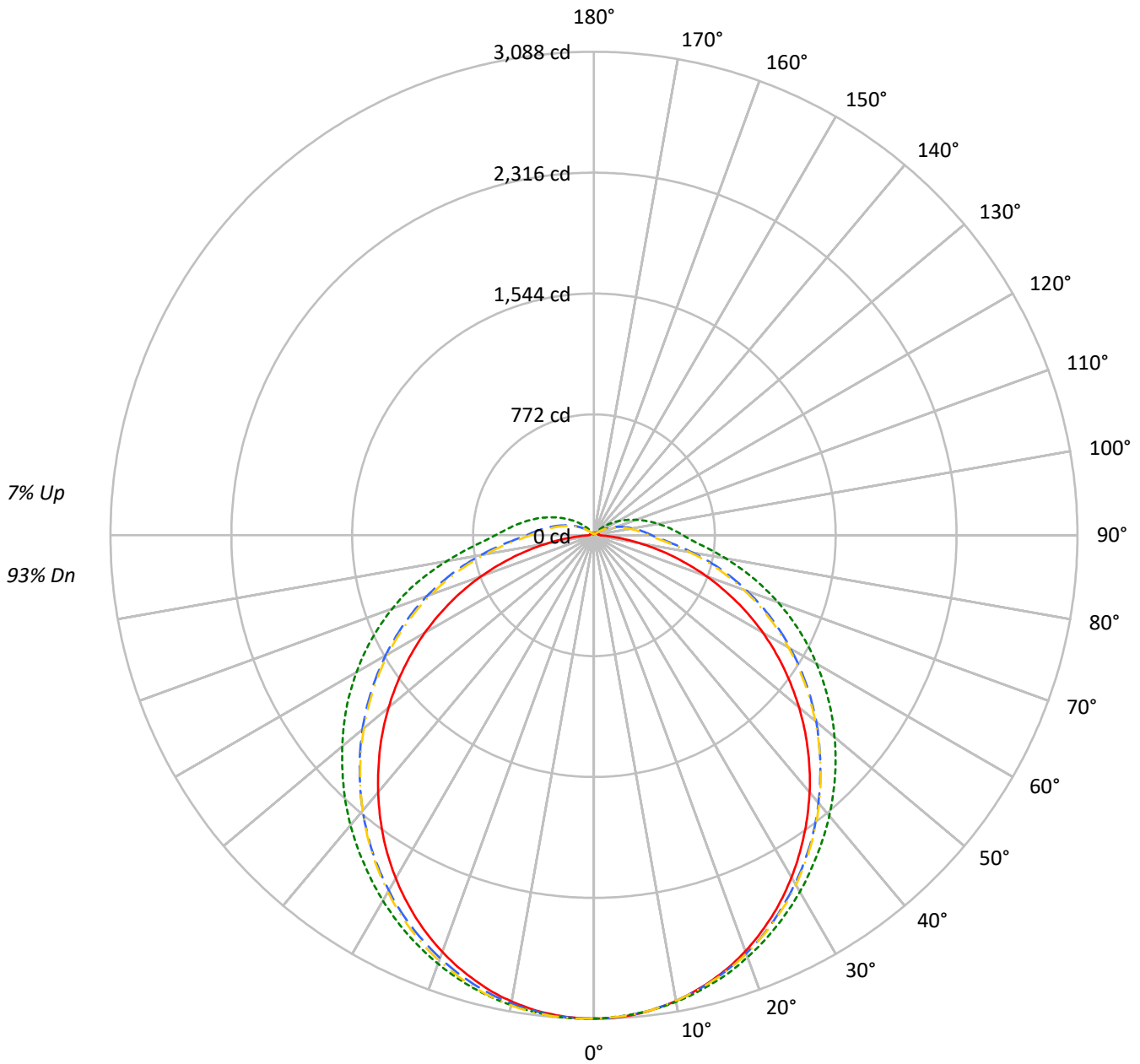
Lumens per Lamp: N/A
Luminaire Lumens: 10483.3 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 77.7
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: 24 FT



TEST NUMBER: P600966
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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°	12461	12461	12461	12461
5°	12435	12165	12435	12218
10°	12358	11879	12372	11964
15°	12242	11589	12260	11719
20°	12099	11293	12119	11464
25°	11912	10998	11941	11223
30°	11688	10712	11723	10977
35°	11443	10433	11476	10736
40°	11194	10186	11198	10535
45°	10914	9943	10917	10332
50°	10604	9705	10613	10153
55°	10268	9478	10281	10008
60°	9889	9250	9901	9868
65°	9398	9008	9418	9726
70°	8770	8748	8794	9591
75°	7890	8477	7911	9443
80°	6661	8227	6668	9202
85°	5066	8191	5037	9203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 15190 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	2.8
10°-20°	834.6	8.0
20°-30°	1262.3	12.0
30°-40°	1525.3	14.5
40°-50°	1604.9	15.3
50°-60°	1507.3	14.4
60°-70°	1256.7	12.0
70°-80°	896.5	8.6
80°-90°	525.4	5.0
90°-100°	327.8	3.1
100°-110°	215.5	2.1
110°-120°	127.2	1.2
120°-130°	65.1	0.6
130°-140°	25.4	0.2
140°-150°	8.4	0.1
150°-160°	4.8	0.0
160°-170°	3.0	0.0
170°-180°	1.1	0.0
0°-30°	2388.9	22.8
0°-40°	3914.2	37.3
0°-60°	7026.4	67.0
0°-90°	9705.0	92.6
90°-120°	670.5	6.4
90°-150°	769.3	7.3
90°-180°	778.0	7.4
0°-180°	10483.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3087	3087	3087	3087	3087	
5°	3072	3068	3072	3081	3072	292
15°	2938	2959	2942	2992	2938	829
25°	2688	2757	2694	2814	2688	1238
35°	2339	2488	2346	2560	2339	1463
45°	1932	2177	1932	2262	1932	1490
55°	1481	1828	1483	1930	1481	1323
65°	1006	1449	1008	1564	1006	995
75°	526	1051	527	1170	526	557
85°	122	682	122	766	122	138
90°	39	569	33	629	39	24
95°	34	490	28	541	34	27
105°	28	350	24	398	28	30
115°	23	231	21	269	23	23
125°	18	134	17	162	18	16
135°	14	59	12	77	14	11
145°	11	12	10	18	11	7
155°	9	9	9	13	9	4
165°	11	8	13	11	11	3
175°	12	9	16	10	12	1
180°	12	12	12	12	12	



TEST NUMBER: P600966

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0
1°	3087.2	3087.2	3087.2	3085.8	3085.4	3084.2	3085.4	3085.6	3086.4	3086.6	3087.2
2°	3086.4	3085.4	3084.6	3082.6	3082.0	3080.8	3082.4	3083.4	3085.0	3085.0	3086.0
3°	3083.2	3081.8	3080.6	3078.4	3078.4	3077.2	3079.2	3079.8	3082.2	3082.4	3083.6
4°	3077.8	3076.8	3075.7	3073.1	3073.7	3072.1	3074.5	3074.9	3077.8	3078.4	3080.8
5°	3071.7	3070.5	3069.1	3067.1	3067.9	3065.7	3068.5	3068.3	3071.7	3073.1	3077.2
6°	3063.9	3062.5	3061.9	3060.1	3061.3	3058.5	3062.5	3060.9	3065.5	3067.1	3071.5
7°	3054.6	3053.4	3052.6	3052.4	3053.8	3051.0	3054.0	3052.4	3057.1	3059.3	3063.5
8°	3044.6	3043.0	3042.8	3043.6	3045.4	3042.8	3043.0	3042.8	3047.0	3050.4	3055.2
9°	3033.5	3031.1	3032.1	3032.9	3036.2	3032.7	3031.7	3031.5	3036.2	3040.4	3046.4
10°	3020.7	3018.5	3019.5	3021.9	3025.9	3020.9	3019.5	3018.9	3024.1	3028.9	3036.6
11°	3006.4	3005.2	3006.4	3009.6	3014.6	3008.0	3006.4	3004.6	3010.6	3016.5	3024.7
12°	2990.7	2990.1	2991.7	2996.6	3002.2	2994.9	2992.5	2989.7	2996.0	3002.6	3012.6
13°	2974.0	2974.2	2976.5	2983.1	2988.1	2980.7	2977.3	2973.0	2979.7	2986.9	2998.8
14°	2956.8	2956.4	2959.8	2968.6	2973.6	2965.2	2961.0	2954.3	2961.6	2970.4	2984.3
15°	2937.7	2937.9	2942.1	2952.7	2959.0	2950.1	2944.7	2934.7	2941.9	2952.5	2968.8
16°	2918.2	2918.4	2924.2	2936.7	2943.3	2934.0	2927.0	2914.6	2921.6	2932.4	2951.7
17°	2898.1	2899.1	2905.1	2918.8	2926.8	2916.0	2907.5	2893.2	2901.3	2912.9	2934.5
18°	2875.6	2877.6	2885.4	2899.7	2908.3	2896.1	2886.8	2870.9	2879.6	2891.6	2914.4
19°	2852.0	2854.1	2864.9	2880.4	2888.4	2876.0	2866.1	2847.4	2856.3	2869.3	2894.7
20°	2827.3	2829.9	2842.6	2859.9	2868.3	2856.1	2844.2	2823.9	2831.9	2846.2	2874.0
21°	2801.2	2804.2	2819.1	2840.0	2847.2	2834.6	2821.5	2799.4	2806.4	2821.5	2852.4
22°	2774.1	2777.9	2795.2	2818.7	2826.3	2812.7	2797.2	2774.3	2779.9	2796.6	2829.7
23°	2745.9	2749.7	2769.6	2794.4	2804.2	2789.7	2772.9	2747.3	2752.2	2770.0	2806.4
24°	2717.0	2722.2	2742.9	2770.6	2781.3	2765.6	2747.5	2720.0	2722.8	2742.9	2782.5
25°	2687.6	2693.9	2716.2	2745.5	2757.2	2741.5	2721.2	2692.7	2694.1	2714.4	2757.4
26°	2656.9	2663.7	2687.6	2721.8	2733.5	2717.2	2694.5	2663.5	2662.5	2686.6	2731.7
27°	2624.1	2633.2	2659.1	2695.7	2708.1	2691.1	2667.1	2633.4	2631.0	2657.1	2705.7
28°	2591.8	2601.4	2629.5	2669.5	2682.6	2664.5	2639.0	2601.4	2598.0	2626.1	2678.0
29°	2557.2	2569.1	2600.0	2641.8	2656.7	2637.6	2610.1	2569.5	2564.8	2594.8	2650.1
30°	2522.8	2536.1	2568.9	2614.3	2630.0	2610.3	2578.9	2536.3	2530.3	2562.6	2620.5
31°	2488.3	2502.7	2537.9	2585.3	2603.0	2581.9	2547.5	2501.9	2496.3	2529.9	2591.4
32°	2451.3	2467.4	2506.7	2556.4	2574.7	2553.2	2516.0	2467.6	2460.1	2497.1	2560.8
33°	2414.9	2431.8	2473.6	2527.6	2545.5	2524.0	2482.8	2431.6	2422.5	2462.5	2529.5
34°	2377.5	2396.2	2441.4	2497.1	2516.8	2493.7	2449.7	2394.8	2385.5	2427.8	2498.9
35°	2339.1	2358.4	2408.9	2466.1	2487.9	2462.9	2416.1	2358.4	2345.8	2392.4	2466.5
36°	2300.9	2321.2	2374.5	2435.0	2459.3	2431.6	2381.5	2320.4	2306.6	2356.4	2433.4
37°	2261.9	2284.2	2339.7	2405.0	2429.6	2400.8	2345.8	2280.8	2266.6	2319.2	2400.2
38°	2221.9	2245.7	2303.9	2372.3	2400.6	2369.1	2311.0	2241.4	2226.2	2282.0	2366.5
39°	2182.1	2206.1	2268.4	2341.3	2370.1	2337.1	2274.2	2201.6	2185.4	2243.8	2332.1
40°	2143.0	2167.1	2230.2	2309.0	2338.7	2305.2	2237.6	2161.6	2143.8	2204.9	2297.9
41°	2102.4	2127.9	2194.4	2277.0	2307.2	2273.0	2200.4	2121.0	2102.2	2165.5	2262.3
42°	2060.1	2087.9	2156.4	2243.4	2275.6	2239.4	2162.2	2080.8	2060.1	2126.1	2226.2
43°	2018.3	2047.7	2119.4	2209.9	2242.6	2205.3	2123.5	2038.8	2017.3	2086.1	2190.2
44°	1975.2	2005.9	2081.9	2176.3	2210.5	2171.1	2084.5	1996.8	1975.4	2045.9	2153.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1931.8	1964.1	2044.7	2141.7	2177.3	2136.5	2044.7	1954.4	1932.3	2005.2	2116.8
46°	1888.6	1922.3	2006.9	2107.8	2144.0	2103.4	2004.9	1911.6	1889.1	1963.4	2080.4
47°	1844.4	1879.9	1968.6	2073.0	2110.0	2067.0	1965.1	1869.2	1845.0	1922.2	2043.3
48°	1799.7	1836.9	1930.5	2037.4	2076.0	2032.2	1925.7	1826.2	1801.2	1880.2	2005.8
49°	1754.7	1793.1	1892.5	2001.6	2041.3	1995.8	1884.5	1782.1	1756.0	1837.9	1968.0
50°	1709.6	1750.0	1853.4	1965.1	2005.9	1959.1	1844.6	1738.3	1711.1	1794.6	1930.0
51°	1664.0	1705.9	1813.5	1929.6	1972.0	1923.1	1804.0	1693.9	1666.8	1752.3	1892.6
52°	1618.4	1661.7	1774.1	1893.4	1935.2	1886.8	1763.9	1649.8	1620.8	1707.8	1853.0
53°	1573.3	1617.5	1734.9	1858.1	1900.4	1849.5	1723.0	1605.2	1575.0	1665.7	1814.1
54°	1526.3	1573.0	1694.8	1821.0	1864.3	1811.3	1682.8	1560.4	1529.0	1621.5	1775.1
55°	1480.8	1528.3	1654.5	1782.2	1827.7	1773.8	1641.9	1515.4	1482.6	1577.3	1736.5
56°	1434.4	1484.1	1614.5	1744.9	1791.0	1735.1	1599.8	1470.4	1436.6	1532.9	1696.3
57°	1388.2	1439.3	1572.8	1706.4	1754.2	1697.0	1559.3	1424.5	1389.7	1488.7	1656.6
58°	1341.1	1393.9	1532.5	1667.6	1716.8	1658.8	1517.3	1378.8	1342.8	1444.9	1616.5
59°	1293.8	1348.6	1491.5	1628.0	1680.2	1619.2	1476.8	1333.3	1295.6	1400.7	1576.5
60°	1247.0	1304.0	1451.3	1588.8	1641.9	1580.0	1434.9	1287.8	1248.6	1357.0	1537.2
61°	1198.9	1260.0	1410.4	1549.5	1604.3	1541.2	1393.3	1241.7	1200.5	1311.5	1497.5
62°	1151.5	1215.6	1369.6	1510.2	1565.3	1500.9	1351.5	1195.9	1152.6	1267.6	1456.2
63°	1102.4	1170.6	1328.9	1471.5	1527.1	1461.4	1310.5	1150.4	1104.0	1224.2	1416.7
64°	1055.0	1125.2	1287.9	1432.8	1488.4	1421.3	1269.4	1105.2	1056.5	1179.1	1376.7
65°	1006.0	1080.6	1247.1	1393.8	1448.8	1381.5	1227.6	1060.2	1008.1	1134.4	1336.9
66°	957.2	1035.1	1206.2	1355.1	1410.3	1341.0	1185.2	1014.5	959.1	1090.1	1296.3
67°	908.8	990.2	1163.9	1315.6	1370.4	1300.6	1143.4	970.5	911.5	1046.8	1256.2
68°	860.6	946.0	1122.3	1275.1	1330.6	1261.2	1101.6	925.4	863.2	1002.0	1215.6
69°	812.2	901.8	1081.3	1234.6	1290.3	1220.2	1059.5	880.5	814.0	957.4	1174.7
70°	764.4	858.0	1040.1	1194.6	1250.4	1180.2	1017.6	836.5	766.5	913.1	1134.2
71°	715.5	813.5	999.1	1152.9	1210.3	1139.6	976.0	792.3	717.6	870.0	1093.9
72°	668.8	770.4	959.5	1110.6	1170.6	1100.0	935.0	748.8	669.7	827.0	1053.7
73°	621.1	727.7	919.1	1069.5	1129.8	1060.0	893.3	705.2	621.6	783.5	1012.9
74°	572.9	685.4	879.2	1027.8	1090.9	1020.6	853.8	662.2	573.9	741.2	972.5
75°	525.6	644.0	838.6	987.6	1050.7	980.3	813.1	619.7	527.0	698.9	931.9
76°	479.4	602.7	798.6	948.2	1011.4	940.8	774.1	577.6	480.1	657.1	891.0
77°	434.2	561.8	758.6	908.5	971.8	902.1	735.2	537.3	434.7	616.9	851.7
78°	389.4	522.9	718.7	870.8	932.2	862.7	695.8	498.0	390.0	577.7	811.6
79°	345.8	482.0	679.0	831.4	892.6	824.6	658.3	459.7	346.0	537.6	772.9
80°	303.5	444.6	640.8	794.4	855.7	787.2	621.0	421.6	303.8	499.4	735.7
81°	263.4	408.9	604.2	757.6	817.2	750.1	583.9	384.7	264.8	461.5	697.4
82°	224.1	374.1	568.3	719.9	782.5	715.3	549.2	349.2	225.0	424.1	660.2
83°	185.9	341.0	534.3	685.6	746.8	680.1	514.9	315.0	187.8	389.2	625.1
84°	152.6	309.1	502.4	652.2	714.1	648.7	483.3	283.5	153.5	354.6	591.6
85°	122.4	279.3	474.5	621.5	682.2	617.4	453.6	254.0	121.7	322.6	559.0
86°	95.6	253.1	447.4	592.6	653.7	588.7	425.7	227.3	94.0	292.7	527.0
87°	73.6	230.1	422.7	567.4	626.4	561.7	401.2	204.4	71.6	266.2	497.3
88°	55.2	209.8	401.9	545.2	605.1	541.2	381.1	184.9	53.6	243.9	471.3
89°	44.3	192.7	382.9	524.8	585.2	521.6	363.1	167.9	40.4	224.4	449.2



TEST NUMBER: P600966

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	39.2	181.3	369.0	509.0	569.4	506.6	349.2	155.8	33.1	207.6	430.6
91°	37.3	171.4	355.9	493.3	552.4	490.0	335.0	146.4	30.8	195.2	413.8
92°	36.1	162.4	343.8	478.6	536.5	476.0	323.2	137.7	29.6	184.4	398.9
93°	35.2	153.3	331.2	465.1	521.4	461.0	311.8	129.3	28.8	173.8	384.5
94°	34.2	145.1	319.2	450.7	504.8	446.4	300.0	121.5	28.0	164.2	370.5
95°	33.6	136.6	307.4	437.5	490.4	432.6	288.4	113.7	27.6	154.4	356.1
96°	32.8	128.5	295.5	423.9	474.9	417.7	277.0	106.5	26.4	145.5	342.5
97°	32.0	121.0	284.0	410.2	461.1	404.5	267.1	99.5	26.0	136.5	329.2
98°	31.2	114.3	272.7	397.4	445.4	391.2	256.4	93.4	25.8	128.1	316.6
99°	30.6	107.5	262.4	384.7	431.3	378.3	245.9	87.1	25.6	120.3	303.8
100°	30.2	101.1	251.6	371.6	416.8	365.3	234.8	81.3	25.4	112.8	291.7
101°	30.2	95.2	240.8	358.9	403.3	352.2	224.7	76.1	25.2	105.6	280.0
102°	29.6	89.4	231.0	346.2	388.7	338.8	215.1	70.9	25.0	99.0	268.6
103°	29.2	83.8	220.8	333.3	376.5	326.6	206.2	65.9	24.8	92.4	257.8
104°	28.4	78.8	211.0	321.2	361.9	313.8	197.1	61.3	24.6	86.4	246.3
105°	28.0	73.9	202.2	309.1	349.7	302.9	187.8	56.9	24.4	81.0	235.4
106°	27.4	69.0	192.8	296.9	336.2	291.2	178.5	52.8	24.0	75.2	224.9
107°	27.0	65.0	184.0	285.0	323.7	280.3	169.7	48.5	23.2	70.0	214.5
108°	26.2	60.5	175.2	273.3	311.2	269.5	160.7	44.5	23.0	64.8	204.2
109°	25.8	56.1	167.1	262.8	299.3	259.1	152.7	41.4	23.0	60.4	194.6
110°	25.2	52.0	158.9	251.8	286.9	247.5	144.3	37.4	22.6	56.0	185.1
111°	24.8	48.3	151.3	240.7	275.4	237.0	136.9	34.2	22.2	51.2	176.0
112°	24.4	44.4	143.0	230.5	264.2	225.7	129.5	30.9	22.0	47.1	167.0
113°	24.2	40.8	135.4	220.1	253.0	215.2	121.9	28.0	21.7	43.2	158.4
114°	23.8	37.6	128.3	209.7	242.3	204.7	114.8	25.3	21.4	38.8	149.9
115°	23.4	34.3	121.0	200.2	230.6	194.3	107.8	23.1	21.1	35.3	141.5
116°	22.7	31.4	113.9	190.1	220.9	184.1	101.2	21.8	20.9	31.6	133.5
117°	22.2	28.9	107.2	181.1	209.6	175.1	95.2	21.0	20.8	28.6	125.8
118°	22.0	26.6	100.8	171.8	200.0	166.6	88.2	19.6	19.9	25.6	117.7
119°	21.4	24.9	93.9	162.7	190.0	157.8	82.4	19.2	19.3	23.0	110.7
120°	21.1	24.3	87.6	154.2	180.3	149.3	76.0	18.7	19.4	20.4	103.5
121°	20.5	23.7	81.5	145.8	170.4	140.2	69.9	18.3	18.5	19.3	96.3
122°	20.1	23.1	75.6	137.3	162.2	132.2	64.5	17.9	18.5	19.1	89.6
123°	19.3	22.7	70.0	129.2	152.3	124.0	59.4	17.4	18.1	19.1	82.5
124°	18.5	22.3	64.9	121.4	143.9	116.0	53.8	17.0	17.3	19.3	76.3
125°	18.1	21.9	59.2	113.7	134.1	108.4	48.7	16.8	16.9	18.9	70.2
126°	17.3	21.3	53.8	106.1	126.4	100.4	43.8	16.4	16.3	17.5	64.1
127°	17.1	20.9	48.8	98.4	117.9	93.0	39.1	16.2	16.1	16.3	58.9
128°	16.7	20.3	43.9	91.3	110.0	85.9	34.4	15.8	15.5	16.1	53.0
129°	16.3	19.7	39.3	84.2	101.7	78.4	30.3	15.2	15.1	15.9	47.5
130°	15.9	19.1	34.6	77.1	94.7	72.1	26.1	15.2	14.9	15.5	42.0
131°	15.3	18.9	30.5	70.4	86.1	65.0	22.2	15.4	13.7	15.3	37.0
132°	14.9	18.5	26.6	64.4	79.8	59.5	18.9	14.6	13.1	15.1	32.1
133°	14.3	17.7	22.9	58.2	72.2	53.4	15.6	13.7	12.7	14.3	27.7
134°	14.1	17.3	19.4	52.4	65.5	47.3	14.0	13.1	12.1	14.1	23.3



TEST NUMBER: P600966

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	13.9	17.1	17.6	47.0	59.3	42.0	13.6	12.7	11.9	13.7	19.1
136°	13.7	16.5	17.2	41.3	52.6	36.7	12.8	12.3	11.5	13.1	15.6
137°	13.1	16.3	16.6	36.2	46.6	31.4	12.4	12.1	10.7	12.5	13.8
138°	12.9	15.7	16.2	31.2	40.5	27.0	12.0	12.1	10.5	12.1	13.2
139°	12.5	14.9	15.6	26.7	34.8	22.3	11.8	11.7	10.1	12.1	12.4
140°	12.5	14.7	15.2	22.2	29.5	18.2	11.4	11.7	10.1	12.3	12.2
141°	11.9	14.3	14.8	18.3	24.7	14.8	11.0	10.9	10.1	11.9	12.4
142°	11.7	14.1	14.4	15.7	19.4	12.4	10.4	10.1	10.0	11.1	11.4
143°	11.7	13.5	14.2	15.1	15.4	12.0	10.0	10.1	9.9	10.9	10.6
144°	11.1	13.3	13.8	14.7	12.0	12.0	9.4	9.7	9.8	10.7	10.2
145°	11.1	12.7	13.2	14.4	11.6	11.2	9.4	9.3	9.8	10.4	9.4
146°	10.9	12.5	13.0	13.9	10.8	10.8	9.5	9.2	9.7	10.2	9.0
147°	10.9	11.9	12.8	13.8	10.4	10.4	9.5	9.1	9.6	10.2	9.2
148°	10.5	11.7	12.4	13.6	10.2	10.2	9.5	9.1	9.6	10.2	8.8
149°	10.1	11.5	12.2	13.0	10.0	9.8	9.6	9.0	9.5	10.1	9.0
150°	10.1	11.1	11.6	13.0	9.8	9.8	9.0	8.9	9.4	10.1	9.0
151°	9.9	10.7	11.5	12.5	9.6	9.2	9.2	8.9	9.3	10.1	8.9
152°	9.7	10.7	11.4	12.2	9.4	9.4	9.2	8.9	9.3	10.1	8.9
153°	9.5	10.5	11.3	12.0	9.2	9.2	9.2	8.9	9.3	10.1	8.9
154°	9.3	10.3	11.2	11.6	9.0	9.2	9.2	8.9	9.3	10.0	8.9
155°	9.1	10.3	11.2	11.8	8.8	8.8	9.2	8.9	9.3	10.0	8.9
156°	9.1	10.3	11.2	11.2	8.7	8.6	9.2	8.9	9.3	10.0	8.8
157°	9.1	10.3	11.2	11.2	8.5	8.6	9.2	8.9	9.3	10.0	8.8
158°	9.1	10.3	11.2	11.1	8.4	8.6	9.2	8.9	9.3	10.0	9.1
159°	9.1	10.3	11.2	11.0	8.4	8.6	9.2	8.9	9.3	10.0	9.5
160°	9.1	10.3	11.2	10.9	8.4	8.6	9.2	8.9	9.3	9.9	9.8
161°	9.3	10.3	11.2	10.8	8.4	8.6	9.2	9.1	9.9	10.3	10.1
162°	9.5	10.3	11.2	10.7	8.4	8.6	9.2	10.1	11.1	10.9	10.4
163°	10.1	10.3	11.2	10.6	8.4	8.6	9.4	10.5	11.7	11.1	11.2
164°	10.5	10.3	11.2	10.4	8.4	8.6	9.4	10.9	12.1	11.7	11.6
165°	10.7	10.3	11.2	10.4	8.4	8.6	9.6	11.1	12.7	11.9	12.0
166°	11.7	10.5	11.2	10.3	8.4	8.6	9.7	11.2	12.9	12.5	12.0
167°	11.9	10.9	11.2	10.2	8.4	8.6	9.7	11.4	13.5	12.5	12.6
168°	12.0	11.7	11.2	10.1	8.4	8.6	9.8	11.6	14.1	12.5	13.2
169°	12.2	12.3	11.2	10.0	8.4	8.6	9.8	11.7	14.7	12.5	13.4
170°	12.3	12.1	11.2	9.9	8.4	8.6	9.9	11.9	15.3	12.5	13.4
171°	12.3	12.7	11.2	9.8	8.4	8.6	9.9	11.9	15.7	12.5	13.4
172°	12.3	12.7	11.2	9.8	8.4	8.6	10.0	12.0	16.1	12.5	13.5
173°	12.4	12.9	11.2	9.8	8.8	8.8	10.2	12.0	16.0	12.5	13.5
174°	12.4	13.0	11.2	9.7	8.6	9.0	10.6	12.1	15.9	12.5	13.5
175°	12.4	13.2	11.2	9.7	8.8	9.4	10.4	12.2	15.8	12.5	13.5
176°	12.5	13.4	11.4	9.7	9.4	9.4	10.4	12.2	15.8	12.5	13.6
177°	12.5	13.5	11.4	9.6	9.6	9.6	10.4	12.3	15.7	12.5	13.6
178°	12.5	13.5	11.8	9.6	9.6	9.6	10.4	12.5	15.5	12.5	13.6
179°	12.5	13.5	12.2	9.6	9.6	9.6	10.4	12.1	15.5	12.5	13.6



TEST NUMBER: P600966
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5



TEST NUMBER: P600966

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0
1°	3086.8	3088.0	3088.4	3087.6	3086.8	3087.2
2°	3086.4	3087.8	3088.8	3087.8	3087.0	3086.4
3°	3085.2	3088.0	3089.0	3087.8	3084.2	3083.2
4°	3082.4	3085.4	3086.4	3085.2	3080.0	3077.8
5°	3078.8	3081.4	3082.4	3082.6	3074.3	3071.7
6°	3073.9	3075.9	3077.4	3078.4	3067.1	3063.9
7°	3068.5	3069.9	3071.3	3072.9	3058.9	3054.6
8°	3061.7	3063.3	3064.3	3065.9	3049.0	3044.6
9°	3053.6	3056.0	3056.9	3058.1	3038.2	3033.5
10°	3045.2	3047.6	3048.4	3048.6	3025.5	3020.7
11°	3036.0	3038.8	3039.4	3038.8	3011.8	3006.4
12°	3024.9	3028.7	3028.7	3027.3	2997.2	2990.7
13°	3013.6	3017.3	3017.3	3014.2	2981.3	2974.0
14°	3000.8	3005.0	3005.2	2999.6	2964.0	2956.8
15°	2987.3	2992.1	2992.7	2984.1	2946.3	2937.7
16°	2972.8	2977.7	2978.7	2967.0	2927.0	2918.2
17°	2957.4	2962.6	2963.8	2949.9	2907.5	2898.1
18°	2941.1	2946.5	2946.7	2931.0	2887.8	2875.6
19°	2924.2	2930.0	2929.4	2911.5	2865.3	2852.0
20°	2904.5	2911.7	2910.5	2891.6	2841.8	2827.3
21°	2884.6	2893.6	2891.0	2870.5	2817.1	2801.2
22°	2864.3	2874.8	2871.1	2848.4	2792.2	2774.1
23°	2843.8	2854.7	2849.8	2823.7	2765.2	2745.9
24°	2821.9	2835.0	2827.9	2799.4	2737.5	2717.0
25°	2798.4	2813.7	2804.6	2773.9	2709.3	2687.6
26°	2774.9	2791.3	2780.9	2746.1	2680.6	2656.9
27°	2750.5	2768.4	2755.4	2718.4	2650.3	2624.1
28°	2726.2	2743.9	2731.9	2690.7	2618.9	2591.8
29°	2700.9	2720.2	2706.3	2661.3	2587.3	2557.2
30°	2675.0	2695.1	2681.0	2631.6	2554.4	2522.8
31°	2648.6	2669.1	2654.1	2601.0	2520.2	2488.3
32°	2622.1	2642.6	2627.9	2569.5	2486.4	2451.3
33°	2594.2	2616.1	2600.2	2537.3	2451.3	2414.9
34°	2565.8	2588.7	2571.7	2505.5	2415.5	2377.5
35°	2536.9	2560.2	2542.7	2472.4	2379.1	2339.1
36°	2509.0	2534.1	2512.4	2438.8	2342.3	2300.9
37°	2478.6	2505.1	2482.4	2404.6	2305.0	2261.9
38°	2447.9	2477.0	2450.5	2369.1	2267.2	2221.9
39°	2418.3	2448.3	2421.7	2333.5	2228.4	2182.1
40°	2387.6	2418.7	2389.8	2298.1	2189.4	2143.0
41°	2356.8	2388.8	2358.2	2261.9	2149.8	2102.4
42°	2325.0	2357.6	2326.1	2224.2	2110.6	2060.1
43°	2293.3	2327.1	2293.5	2187.4	2071.4	2018.3
44°	2260.7	2294.5	2260.3	2149.4	2030.4	1975.2

TEST NUMBER: P600966

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2228.2	2262.5	2226.0	2111.8	1989.0	1931.8
46°	2195.0	2229.6	2192.6	2072.6	1947.1	1888.6
47°	2161.2	2196.8	2157.6	2034.4	1904.4	1844.4
48°	2128.5	2163.3	2122.9	1995.8	1863.1	1799.7
49°	2094.7	2130.3	2089.1	1957.0	1820.2	1754.7
50°	2060.1	2098.5	2052.5	1917.8	1777.8	1709.6
51°	2024.6	2064.2	2017.5	1878.6	1733.9	1664.0
52°	1989.9	2031.8	1980.2	1839.2	1690.4	1618.4
53°	1954.0	1998.3	1945.2	1799.2	1647.3	1573.3
54°	1918.3	1963.7	1908.6	1759.4	1602.8	1526.3
55°	1882.6	1929.9	1870.5	1719.8	1559.9	1480.8
56°	1846.2	1895.3	1834.8	1679.7	1515.0	1434.4
57°	1809.3	1860.4	1796.4	1639.6	1471.4	1388.2
58°	1772.6	1823.4	1758.2	1599.8	1426.6	1341.1
59°	1734.4	1787.4	1719.9	1559.6	1381.9	1293.8
60°	1697.4	1751.7	1681.9	1518.7	1336.2	1247.0
61°	1659.3	1714.1	1643.7	1478.0	1291.4	1198.9
62°	1620.2	1677.7	1604.9	1438.2	1246.7	1151.5
63°	1582.3	1639.7	1566.2	1397.0	1201.3	1102.4
64°	1543.5	1602.3	1527.4	1355.6	1156.4	1055.0
65°	1504.7	1564.3	1488.6	1314.9	1111.7	1006.0
66°	1466.1	1525.9	1449.9	1274.1	1067.3	957.2
67°	1426.6	1488.1	1410.2	1232.5	1022.1	908.8
68°	1386.8	1448.8	1370.5	1190.8	976.9	860.6
69°	1346.8	1410.2	1330.7	1149.6	932.5	812.2
70°	1306.6	1370.8	1291.9	1108.0	888.4	764.4
71°	1266.4	1331.2	1252.5	1066.7	843.9	715.5
72°	1226.8	1293.0	1212.5	1025.7	800.5	668.8
73°	1186.9	1252.9	1172.3	984.1	756.7	621.1
74°	1147.4	1213.0	1132.2	943.4	713.1	572.9
75°	1107.8	1170.4	1093.0	901.9	670.4	525.6
76°	1069.2	1126.5	1053.5	861.8	628.2	479.4
77°	1030.4	1084.4	1014.0	821.1	586.1	434.2
78°	990.6	1040.2	974.5	781.3	545.6	389.4
79°	951.9	998.0	934.7	742.1	505.5	345.8
80°	912.4	957.1	895.8	704.5	466.2	303.5
81°	875.0	915.6	857.3	667.7	427.5	263.4
82°	837.9	875.9	818.5	631.9	391.2	224.1
83°	801.1	837.8	782.2	596.7	355.8	185.9
84°	766.7	801.4	745.5	563.0	322.7	152.6
85°	732.6	766.5	711.3	530.8	292.4	122.4
86°	700.6	734.5	679.3	500.5	264.7	95.6
87°	669.8	702.9	649.0	472.9	238.5	73.6
88°	643.1	675.9	621.8	447.7	216.1	55.2
89°	617.1	651.2	596.8	425.2	196.3	44.3

TEST NUMBER: P600966

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	597.0	628.6	575.6	405.1	180.3	39.2
91°	577.3	608.4	555.4	388.4	169.3	37.3
92°	560.4	590.2	537.9	373.8	159.8	36.1
93°	543.6	573.5	522.0	360.1	150.6	35.2
94°	527.5	557.5	505.2	345.7	141.4	34.2
95°	511.1	541.0	488.9	332.1	133.0	33.6
96°	494.0	525.5	474.0	320.2	124.8	32.8
97°	478.1	510.5	458.9	308.6	116.7	32.0
98°	462.4	494.8	444.7	296.7	109.7	31.2
99°	446.5	480.1	430.6	284.7	102.6	30.6
100°	431.4	466.2	415.5	272.3	95.9	30.2
101°	416.6	451.7	400.6	261.5	90.0	30.2
102°	401.4	438.0	386.4	250.9	84.3	29.6
103°	387.5	424.5	372.3	240.0	78.8	29.2
104°	372.4	411.2	359.0	229.0	74.0	28.4
105°	358.8	397.9	347.0	218.4	68.6	28.0
106°	344.7	385.6	335.3	208.4	64.4	27.4
107°	331.1	372.1	323.2	198.4	59.9	27.0
108°	317.9	358.4	310.5	189.3	55.8	26.2
109°	305.2	344.9	297.4	179.8	51.8	25.8
110°	292.7	331.3	285.6	170.7	47.7	25.2
111°	280.9	318.1	273.2	162.1	44.2	24.8
112°	269.1	305.4	261.7	154.0	40.7	24.4
113°	257.6	293.0	250.4	145.4	37.6	24.2
114°	246.3	280.5	239.3	137.5	34.5	23.8
115°	234.9	269.4	228.5	130.1	31.7	23.4
116°	223.9	257.4	217.8	122.4	29.1	22.7
117°	213.7	245.8	207.4	115.2	27.1	22.2
118°	202.9	234.2	197.0	108.2	26.1	22.0
119°	192.8	223.7	187.7	101.3	25.5	21.4
120°	182.7	212.6	177.5	94.8	24.9	21.1
121°	172.8	202.0	168.1	88.4	24.3	20.5
122°	164.1	191.9	159.0	82.2	23.9	20.1
123°	154.0	181.7	149.8	76.0	23.5	19.3
124°	145.4	171.7	141.0	70.1	23.5	18.5
125°	136.6	162.5	132.5	64.6	22.9	18.1
126°	127.8	153.1	124.2	59.0	22.3	17.3
127°	119.6	143.7	115.7	53.5	21.8	17.1
128°	111.1	134.8	107.7	48.4	21.4	16.7
129°	103.0	126.0	99.8	43.5	20.6	16.3
130°	95.1	117.3	91.7	38.8	20.4	15.9
131°	87.5	108.7	84.6	34.3	19.6	15.3
132°	80.1	100.6	77.3	30.0	19.2	14.9
133°	73.0	92.7	70.4	26.2	18.6	14.3
134°	66.1	84.9	64.0	22.5	18.2	14.1



TEST NUMBER: P600966

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	59.6	77.3	57.7	19.6	17.6	13.9
136°	52.9	70.0	51.5	19.0	17.4	13.7
137°	46.8	63.3	45.8	18.2	16.8	13.1
138°	40.8	57.1	40.1	17.8	16.4	12.9
139°	34.6	50.3	34.7	17.2	15.8	12.5
140°	29.2	44.0	29.6	16.8	15.2	12.5
141°	24.4	38.3	24.9	16.6	14.8	11.9
142°	19.0	32.7	20.7	16.0	14.4	11.7
143°	15.0	27.2	17.2	15.4	14.1	11.7
144°	12.4	22.4	16.5	15.0	13.5	11.1
145°	12.4	18.3	16.1	14.4	13.1	11.1
146°	12.2	16.1	15.9	14.0	12.7	10.9
147°	12.4	15.7	15.3	13.8	12.5	10.9
148°	11.4	15.5	15.0	13.2	12.3	10.5
149°	11.0	15.1	14.8	12.8	12.1	10.1
150°	10.4	14.5	14.4	12.4	11.7	10.1
151°	10.2	14.3	14.0	12.2	11.5	9.9
152°	9.4	14.1	13.8	12.2	11.3	9.7
153°	9.2	13.3	13.2	11.8	10.9	9.5
154°	9.2	13.1	13.0	11.8	11.1	9.3
155°	8.6	12.9	12.8	11.8	11.1	9.1
156°	8.7	12.7	12.6	11.8	11.1	9.1
157°	8.7	12.5	12.4	11.8	11.1	9.1
158°	8.8	12.3	12.2	11.8	11.1	9.1
159°	8.9	12.2	12.0	11.8	11.1	9.1
160°	8.9	11.9	12.0	11.8	11.1	9.1
161°	9.0	11.6	12.0	11.8	11.1	9.3
162°	9.0	11.4	11.6	11.8	11.1	9.5
163°	9.6	11.4	11.2	11.8	11.3	10.1
164°	9.8	11.1	11.4	11.8	11.7	10.5
165°	10.0	10.8	11.4	11.8	11.9	10.7
166°	10.2	11.0	11.4	11.9	11.9	11.7
167°	10.4	10.6	11.4	11.9	12.3	11.9
168°	10.8	10.6	11.3	12.0	12.5	12.0
169°	11.0	10.4	11.3	12.0	12.7	12.2
170°	10.8	10.4	11.3	12.0	13.1	12.3
171°	10.8	10.2	11.3	12.0	13.3	12.3
172°	11.0	10.2	11.2	12.1	13.7	12.3
173°	11.4	9.8	10.6	12.1	14.2	12.4
174°	11.8	9.6	10.6	12.1	14.4	12.4
175°	12.2	9.6	10.4	12.2	14.8	12.4
176°	12.0	9.6	10.4	12.2	15.4	12.5
177°	12.0	9.6	10.4	12.2	15.4	12.5
178°	12.0	9.6	10.4	12.2	15.4	12.5
179°	12.0	9.6	10.4	12.2	15.4	12.5



TEST NUMBER: P600966
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 3500K 120V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	12.5	12.5	12.5	12.5	12.5	12.5

(END OF REPORT)