

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: P600969

Luminaire Tested: 8APVTLD-SL3C3 MID POWER 3500K 277V

Issue Date: 1/11/2023

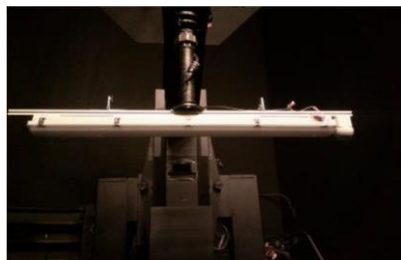
Test Information

Test Method: LM-79-2019
Report Number: P600969
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 277V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

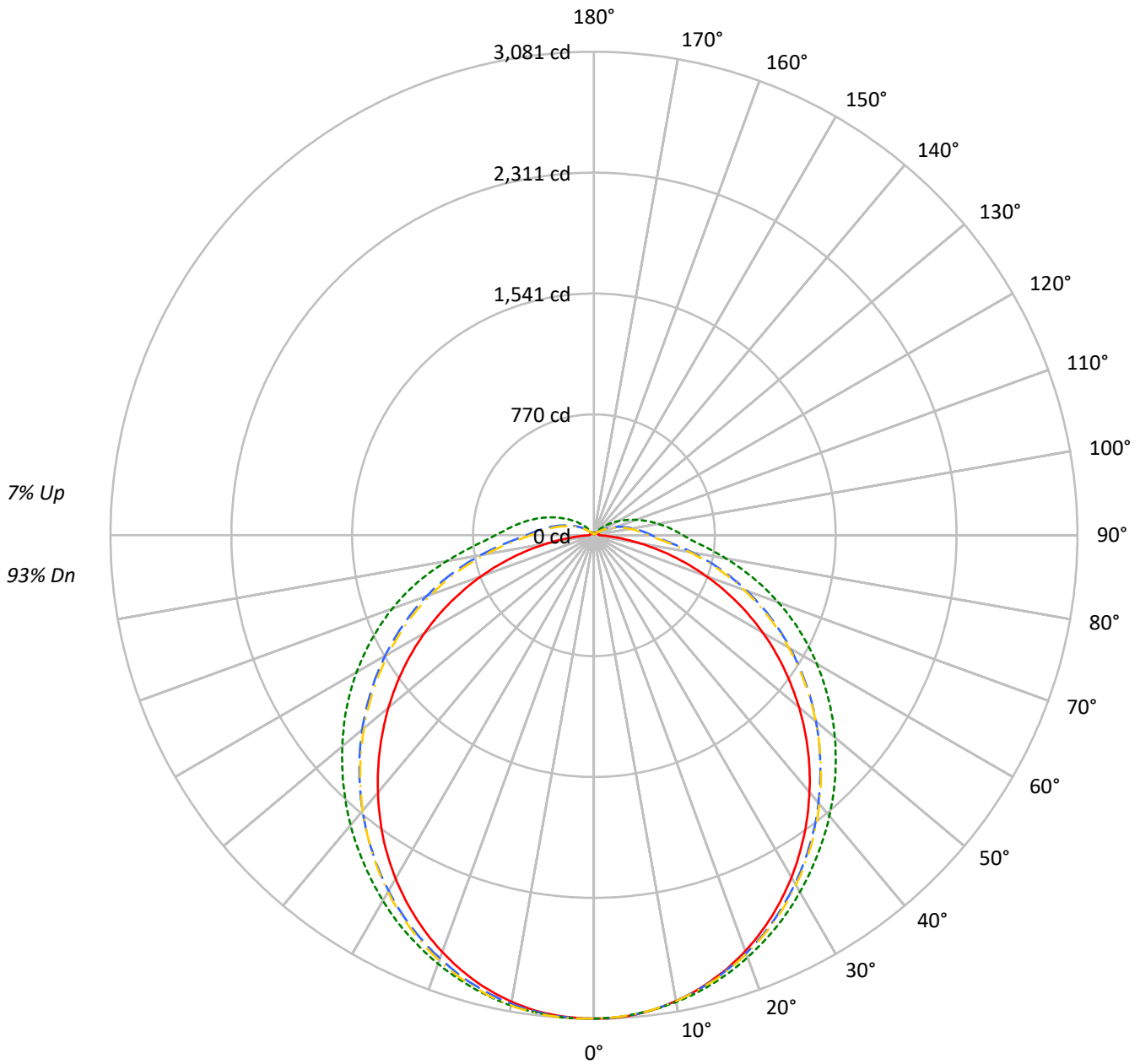
Lumens per Lamp: N/A
Luminaire Lumens: 10460.7 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 77.9
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



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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				
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°	12435	12435	12435	12435
5°	12411	12143	12414	12191
10°	12331	11855	12352	11947
15°	12214	11569	12243	11693
20°	12068	11270	12094	11441
25°	11879	10982	11917	11196
30°	11662	10691	11705	10954
35°	11420	10418	11468	10714
40°	11160	10168	11184	10506
45°	10886	9928	10895	10309
50°	10580	9693	10602	10127
55°	10246	9467	10269	9986
60°	9861	9240	9892	9842
65°	9371	8997	9403	9701
70°	8739	8742	8791	9563
75°	7857	8467	7901	9402
80°	6622	8223	6688	9163
85°	5008	8188	5045	9168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 15035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.4	2.8
10°-20°	832.9	8.0
20°-30°	1259.7	12.0
30°-40°	1522.3	14.6
40°-50°	1601.7	15.3
50°-60°	1504.4	14.4
60°-70°	1254.3	12.0
70°-80°	894.6	8.6
80°-90°	524.0	5.0
90°-100°	326.9	3.1
100°-110°	214.9	2.1
110°-120°	126.7	1.2
120°-130°	64.7	0.6
130°-140°	25.1	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°	2384.0	22.8
0°-40°	3906.3	37.3
0°-60°	7012.4	67.0
0°-90°	9685.3	92.6
90°-120°	668.5	6.4
90°-150°	766.5	7.3
90°-180°	775.0	7.4
0°-180°	10460.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3081	3081	3081	3081	3081	
5°	3066	3062	3066	3074	3066	291
15°	2931	2954	2938	2986	2931	827
25°	2680	2753	2689	2807	2680	1234
35°	2334	2484	2344	2555	2334	1460
45°	1927	2174	1928	2258	1927	1486
55°	1478	1826	1481	1926	1478	1321
65°	1003	1447	1006	1560	1003	992
75°	523	1050	526	1165	523	555
85°	121	682	122	764	121	137
90°	39	568	33	626	39	23
95°	33	490	27	539	33	27
105°	28	349	24	397	28	29
115°	23	231	21	268	23	23
125°	18	134	17	162	18	16
135°	14	59	12	76	14	11
145°	11	11	9	18	11	7
155°	9	8	9	12	9	4
165°	10	8	12	11	10	3
175°	12	9	15	10	12	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6
1°	3080.6	3080.6	3080.4	3079.4	3078.8	3078.6	3079.2	3079.0	3079.8	3080.6	3080.6
2°	3080.2	3079.6	3078.0	3076.8	3076.8	3075.6	3076.4	3076.8	3077.8	3079.4	3079.4
3°	3076.6	3075.8	3073.8	3072.5	3073.4	3071.3	3073.2	3074.0	3075.4	3077.2	3077.6
4°	3071.7	3070.9	3068.9	3066.9	3068.7	3066.3	3067.7	3069.1	3071.7	3073.0	3075.0
5°	3065.7	3063.9	3063.3	3060.7	3062.3	3059.9	3061.9	3062.9	3066.5	3068.1	3070.7
6°	3058.1	3056.1	3055.9	3053.5	3055.9	3052.7	3054.9	3055.7	3060.1	3061.5	3064.9
7°	3049.0	3046.6	3047.4	3045.2	3048.6	3045.2	3046.8	3046.8	3051.8	3054.1	3058.5
8°	3038.2	3035.8	3037.6	3035.4	3040.0	3036.2	3037.4	3036.4	3042.0	3044.8	3050.8
9°	3026.7	3023.7	3025.7	3026.1	3030.1	3026.1	3025.9	3024.7	3030.9	3034.6	3041.8
10°	3013.9	3010.8	3013.1	3014.9	3019.9	3015.1	3014.1	3012.5	3019.1	3022.9	3031.9
11°	3000.0	2997.0	2999.6	3002.2	3008.8	3003.2	3000.6	2998.4	3005.0	3010.0	3020.3
12°	2984.7	2982.1	2984.9	2989.7	2997.0	2990.9	2987.3	2983.7	2990.1	2996.0	3008.2
13°	2968.4	2966.2	2970.4	2975.5	2984.1	2977.1	2972.5	2967.2	2973.9	2981.1	2994.4
14°	2949.9	2948.1	2954.0	2961.0	2969.4	2961.8	2956.4	2949.5	2957.2	2965.6	2980.1
15°	2930.9	2930.4	2935.7	2946.3	2953.8	2946.5	2940.1	2929.6	2937.9	2947.7	2964.4
16°	2911.2	2911.2	2916.6	2929.2	2937.3	2929.8	2922.0	2908.7	2917.4	2927.2	2947.7
17°	2890.7	2891.3	2897.1	2911.6	2920.2	2912.2	2902.1	2887.6	2896.5	2907.1	2930.0
18°	2868.1	2870.2	2876.8	2892.3	2901.9	2892.9	2881.2	2865.1	2873.8	2885.8	2910.8
19°	2844.8	2847.2	2856.5	2873.8	2882.8	2872.0	2860.3	2842.0	2850.3	2863.5	2890.3
20°	2820.1	2822.3	2834.8	2852.7	2862.3	2851.9	2838.8	2817.5	2826.1	2840.2	2869.3
21°	2794.2	2798.0	2811.7	2832.2	2841.4	2830.4	2816.1	2792.6	2800.6	2815.7	2848.4
22°	2766.8	2771.3	2787.1	2810.7	2820.5	2808.4	2792.6	2767.6	2774.1	2790.6	2826.3
23°	2738.9	2744.3	2762.2	2786.9	2798.2	2786.1	2768.4	2742.7	2746.7	2764.6	2802.6
24°	2710.0	2716.0	2735.9	2763.4	2776.3	2762.6	2743.1	2715.6	2718.0	2737.5	2778.9
25°	2680.2	2687.5	2709.6	2739.7	2753.2	2738.9	2717.0	2687.9	2688.7	2709.6	2754.0
26°	2649.7	2658.3	2681.2	2714.8	2729.7	2713.6	2690.3	2657.7	2657.7	2681.4	2728.3
27°	2617.9	2627.6	2653.1	2689.1	2704.1	2688.1	2663.5	2628.4	2627.0	2651.7	2701.5
28°	2584.5	2595.8	2623.7	2662.7	2678.6	2661.5	2633.8	2596.4	2594.0	2621.1	2674.6
29°	2551.6	2563.2	2594.0	2635.4	2652.3	2634.6	2604.2	2564.2	2561.0	2589.8	2645.8
30°	2517.2	2529.9	2563.6	2606.9	2624.9	2607.3	2574.3	2532.1	2526.5	2557.2	2617.3
31°	2482.0	2495.9	2532.3	2578.3	2598.2	2578.9	2543.3	2497.9	2491.9	2525.5	2587.4
32°	2446.1	2460.9	2500.7	2549.6	2570.5	2549.8	2511.4	2463.3	2456.3	2492.1	2558.0
33°	2409.7	2425.6	2467.6	2520.0	2542.3	2519.4	2478.8	2427.8	2419.7	2457.5	2526.1
34°	2371.7	2390.0	2435.2	2489.7	2513.2	2489.7	2446.5	2391.8	2382.5	2424.0	2495.1
35°	2334.5	2353.0	2401.4	2459.9	2484.4	2459.9	2412.9	2354.6	2344.2	2388.4	2462.5
36°	2295.9	2316.2	2367.1	2428.6	2455.3	2428.4	2378.1	2317.0	2304.4	2352.2	2430.6
37°	2256.5	2278.0	2334.1	2397.6	2426.2	2397.6	2343.8	2278.8	2264.0	2315.6	2397.0
38°	2217.1	2239.8	2298.1	2367.3	2396.0	2366.7	2308.2	2238.6	2223.6	2278.4	2363.1
39°	2176.5	2200.7	2262.4	2336.3	2366.3	2334.5	2271.6	2198.2	2183.6	2240.2	2329.3
40°	2136.5	2160.7	2225.2	2304.6	2334.5	2301.9	2234.4	2158.0	2141.0	2201.7	2293.7
41°	2096.7	2121.3	2189.2	2271.0	2303.0	2270.0	2197.0	2118.0	2099.8	2163.7	2259.1
42°	2054.7	2080.9	2152.0	2237.8	2271.4	2236.6	2159.0	2077.4	2057.3	2123.3	2223.6
43°	2012.3	2041.3	2114.0	2204.1	2239.0	2202.7	2121.1	2035.6	2014.3	2082.5	2187.0
44°	1969.6	2000.7	2077.2	2170.5	2206.7	2168.9	2082.5	1994.0	1971.6	2042.5	2150.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1926.9	1958.3	2039.1	2137.3	2173.9	2134.9	2043.3	1951.2	1928.4	2001.6	2114.0
46°	1883.4	1917.1	2001.6	2102.4	2141.2	2100.0	2004.3	1909.1	1885.4	1959.8	2077.4
47°	1839.0	1874.0	1963.6	2066.6	2106.2	2064.6	1964.3	1866.5	1841.6	1918.9	2040.3
48°	1794.8	1831.2	1925.3	2032.0	2072.6	2029.8	1925.0	1823.3	1797.9	1877.8	2003.1
49°	1750.0	1787.6	1886.6	1996.4	2038.7	1994.2	1884.9	1779.3	1753.3	1834.8	1965.1
50°	1705.8	1744.6	1847.2	1961.2	2003.5	1957.3	1844.8	1734.9	1709.2	1792.5	1928.2
51°	1660.0	1701.2	1808.3	1924.4	1969.2	1921.8	1804.6	1691.9	1664.4	1749.3	1890.4
52°	1614.9	1656.6	1768.6	1888.8	1933.6	1884.6	1763.4	1647.0	1618.6	1705.8	1851.3
53°	1569.6	1613.0	1729.2	1852.4	1897.7	1847.3	1722.5	1602.7	1573.1	1662.3	1812.8
54°	1523.6	1568.5	1689.4	1814.4	1861.4	1809.8	1681.4	1558.1	1527.0	1619.5	1773.5
55°	1477.6	1523.9	1648.9	1777.9	1825.6	1772.1	1640.4	1512.9	1480.9	1575.3	1734.0
56°	1431.3	1479.8	1608.3	1740.0	1788.5	1734.7	1598.8	1467.9	1434.6	1530.9	1695.2
57°	1384.8	1434.9	1567.8	1701.8	1751.4	1696.3	1557.6	1422.7	1388.1	1487.3	1655.6
58°	1338.2	1389.5	1527.6	1662.2	1715.9	1657.7	1516.2	1377.4	1341.0	1442.6	1616.0
59°	1291.1	1345.0	1487.3	1623.5	1677.8	1618.6	1475.5	1331.4	1294.2	1398.6	1575.4
60°	1243.5	1300.7	1446.7	1584.2	1640.2	1579.1	1433.8	1286.8	1247.4	1354.7	1536.4
61°	1195.2	1255.2	1405.8	1544.0	1602.8	1540.0	1392.2	1240.3	1199.1	1310.2	1497.0
62°	1147.1	1210.9	1365.1	1506.0	1563.8	1500.3	1350.8	1194.2	1150.9	1266.3	1456.7
63°	1099.3	1166.4	1324.4	1466.1	1526.1	1460.6	1310.0	1148.9	1102.9	1222.3	1417.2
64°	1051.9	1121.4	1284.3	1428.4	1487.0	1421.2	1268.5	1103.9	1055.1	1177.2	1377.5
65°	1003.1	1077.3	1243.7	1390.2	1447.0	1380.6	1226.4	1058.7	1006.5	1133.0	1336.6
66°	954.5	1032.1	1202.2	1349.9	1409.3	1341.2	1185.0	1013.8	958.2	1089.7	1297.5
67°	906.4	987.7	1160.1	1311.0	1368.5	1301.3	1142.8	969.1	909.9	1045.0	1257.1
68°	858.1	942.7	1117.9	1270.3	1330.3	1261.3	1101.3	924.4	862.1	1000.6	1216.5
69°	810.4	898.4	1077.2	1230.9	1290.4	1221.2	1058.9	879.4	813.3	956.1	1175.9
70°	761.7	855.0	1035.9	1189.8	1249.5	1181.3	1016.8	835.8	766.2	912.5	1135.6
71°	713.4	810.6	995.2	1148.6	1209.7	1140.3	975.6	791.2	716.8	868.7	1094.4
72°	666.0	767.7	954.4	1107.1	1170.1	1100.9	934.9	747.9	669.6	825.5	1054.4
73°	617.9	724.3	914.4	1065.4	1129.8	1060.0	894.5	704.6	620.8	783.3	1013.8
74°	570.4	683.4	874.5	1024.7	1089.5	1019.9	853.9	661.5	573.6	740.3	973.3
75°	523.4	641.0	834.3	983.6	1049.5	980.7	813.9	619.0	526.3	698.1	932.9
76°	477.6	600.0	793.6	944.1	1009.1	941.3	773.9	577.0	479.8	657.4	892.4
77°	432.0	558.8	754.1	905.5	970.5	902.4	735.1	537.3	434.7	617.3	852.5
78°	387.1	518.7	713.8	867.1	931.2	863.2	695.3	496.7	389.8	577.6	812.4
79°	343.6	480.0	676.3	829.1	892.6	824.8	657.5	459.3	345.7	537.9	772.8
80°	301.7	443.0	638.7	791.3	855.3	787.8	620.6	420.9	304.7	499.2	735.9
81°	260.6	406.5	601.7	754.3	817.1	750.0	583.2	384.1	264.6	461.5	697.1
82°	221.5	371.8	566.5	718.0	782.6	714.6	549.0	348.8	225.6	424.4	660.3
83°	184.7	339.0	532.0	683.4	746.2	680.5	514.0	314.8	188.1	389.1	624.8
84°	151.6	306.8	500.1	650.2	713.6	647.9	483.1	283.2	153.7	354.6	591.4
85°	121.0	278.2	472.1	618.7	682.0	617.2	453.1	254.0	121.9	322.6	558.9
86°	95.0	251.6	445.8	591.2	653.0	588.0	425.7	227.1	94.0	292.5	527.1
87°	72.8	228.8	420.2	565.4	625.5	561.8	400.4	204.3	71.8	266.2	497.2
88°	54.3	208.5	399.3	543.7	604.3	541.1	380.7	184.7	53.7	243.7	470.8
89°	43.7	191.8	381.1	523.4	584.1	520.9	362.9	167.9	40.7	223.9	449.1



TEST NUMBER: P600969

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	38.8	180.6	367.5	507.1	568.4	505.9	348.5	155.7	32.6	207.2	430.0
91°	36.8	171.2	354.9	492.4	551.5	489.4	334.6	146.2	30.3	194.9	413.4
92°	35.8	161.7	342.3	477.8	535.7	475.4	322.7	137.4	29.3	184.0	398.5
93°	34.8	152.6	330.0	463.0	520.4	460.2	311.1	129.0	28.5	173.8	384.0
94°	34.0	144.2	318.0	449.4	503.9	445.7	299.5	121.0	28.1	163.8	369.8
95°	33.4	135.7	305.7	435.5	489.8	432.1	287.7	113.5	27.1	154.0	356.0
96°	32.6	127.9	294.4	422.9	474.4	417.2	276.5	106.1	26.5	145.1	342.1
97°	32.0	120.4	282.8	409.2	460.5	404.0	266.5	99.4	26.3	136.2	328.6
98°	31.2	113.6	272.2	396.2	445.1	390.6	255.8	92.9	26.2	128.1	316.2
99°	30.7	106.7	261.4	383.2	430.7	377.9	245.3	86.9	26.0	119.7	303.5
100°	30.3	100.4	250.4	370.3	416.1	365.1	234.3	81.0	25.9	112.5	291.2
101°	29.8	94.2	239.8	357.7	402.9	352.1	224.3	75.9	25.7	105.3	279.5
102°	29.4	89.1	229.8	345.1	388.2	338.6	214.6	70.4	25.3	98.6	268.3
103°	28.9	83.4	219.8	332.0	375.9	326.4	205.6	65.5	24.5	92.0	257.3
104°	28.3	78.1	210.2	319.7	361.4	313.6	196.1	61.1	24.1	86.2	246.0
105°	27.7	73.5	201.2	307.9	349.2	302.5	187.5	56.8	23.7	80.5	235.1
106°	27.1	68.7	191.9	295.7	336.0	290.7	178.2	52.3	23.7	74.8	224.7
107°	26.5	64.6	183.4	284.2	323.1	280.2	169.6	48.4	23.1	69.6	214.1
108°	25.9	60.1	174.7	273.2	311.0	269.3	160.3	44.4	22.7	65.0	204.2
109°	25.5	55.8	166.4	261.9	298.9	258.6	152.1	41.1	22.5	60.3	194.3
110°	25.1	51.7	158.2	250.8	286.5	247.4	144.1	37.1	22.4	55.4	184.7
111°	24.7	47.8	150.1	240.4	275.6	236.7	136.7	33.9	22.3	51.0	175.7
112°	24.1	43.9	142.5	229.5	263.9	225.5	129.2	30.8	22.2	46.7	166.8
113°	24.1	40.5	134.8	219.3	252.8	215.2	122.0	27.6	22.1	42.4	158.2
114°	23.5	37.3	127.3	209.3	241.7	204.5	114.6	25.2	21.9	38.7	149.6
115°	23.1	33.8	120.0	199.2	230.6	194.1	107.8	23.0	21.0	35.0	141.4
116°	22.7	31.2	113.2	189.6	220.5	183.9	101.0	21.0	20.2	31.4	133.2
117°	22.3	28.7	106.7	180.3	209.2	175.1	94.7	20.2	20.2	28.1	125.5
118°	21.7	26.3	99.8	171.4	199.8	166.2	88.2	19.5	19.4	25.3	117.5
119°	21.3	24.5	93.6	162.3	189.7	157.6	82.0	19.0	19.2	22.5	110.1
120°	20.9	23.9	87.2	153.8	180.0	149.0	75.9	18.7	18.8	20.1	103.2
121°	20.2	23.5	81.1	145.1	170.3	140.3	69.7	18.4	18.8	18.8	96.3
122°	19.6	23.1	75.1	136.6	161.8	132.1	64.8	18.1	18.6	18.4	89.5
123°	19.0	22.3	69.5	128.9	152.0	123.6	59.0	17.3	17.6	18.0	82.3
124°	18.0	22.3	64.3	120.7	143.5	116.0	53.8	16.9	17.0	17.4	76.3
125°	17.8	21.7	58.7	113.0	133.9	108.0	48.6	16.7	16.6	17.2	69.9
126°	17.2	20.8	53.4	105.2	126.2	100.4	43.4	16.1	16.0	16.6	64.1
127°	16.8	20.6	48.2	98.0	117.8	93.0	38.9	15.9	15.4	16.2	58.6
128°	16.4	20.2	43.5	90.8	109.7	85.7	34.7	15.5	14.9	15.8	52.6
129°	15.8	19.6	38.7	83.7	101.8	78.4	29.7	15.3	14.3	15.6	47.2
130°	15.8	19.2	34.1	76.9	94.5	72.0	26.0	15.3	13.8	15.4	42.1
131°	15.2	18.8	30.1	70.3	86.1	65.6	22.2	14.1	13.4	15.2	36.5
132°	14.8	18.2	26.0	64.1	79.8	59.3	18.9	13.7	12.7	14.2	31.9
133°	14.2	17.8	22.5	57.9	71.9	53.3	15.9	13.3	12.3	13.8	27.5
134°	14.0	17.4	19.1	52.1	65.7	47.5	13.7	13.1	12.3	13.6	23.0



TEST NUMBER: P600969

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	13.6	16.6	17.5	46.1	58.9	41.9	13.2	12.5	11.9	13.4	19.1
136°	13.4	16.2	17.1	40.9	52.5	36.4	12.8	12.5	10.7	13.1	15.3
137°	12.8	15.8	16.3	35.7	46.4	31.7	12.3	12.7	10.3	12.8	13.4
138°	12.5	15.4	16.1	31.0	40.4	26.9	11.9	12.5	9.9	12.5	12.8
139°	12.3	15.0	15.3	25.9	34.7	22.3	11.5	11.3	9.9	12.2	12.2
140°	12.1	14.4	15.0	21.7	29.3	18.4	11.0	10.7	9.3	11.9	12.0
141°	11.5	14.2	14.8	18.0	24.2	14.5	10.6	10.5	9.2	11.6	11.6
142°	11.4	13.8	14.4	15.3	19.4	12.1	10.2	10.1	9.1	11.2	10.8
143°	11.2	13.2	13.8	14.5	15.1	11.7	10.1	9.7	9.1	10.8	10.2
144°	11.1	13.0	13.4	14.3	12.3	11.3	10.1	9.3	9.1	10.5	9.8
145°	10.9	12.8	13.2	14.3	11.1	11.1	10.0	9.2	9.1	10.3	9.6
146°	10.7	12.2	12.8	13.9	10.5	10.7	9.9	9.1	9.1	10.2	9.0
147°	10.5	11.7	12.5	13.5	10.3	10.2	9.9	9.0	9.1	10.0	8.7
148°	10.3	11.3	12.1	13.3	9.8	10.0	9.8	9.0	9.1	9.8	8.8
149°	9.9	11.3	11.8	13.0	9.6	9.8	9.2	8.9	9.1	9.8	8.8
150°	9.9	11.1	11.4	12.8	9.2	9.7	8.8	8.9	9.1	9.8	8.9
151°	9.7	10.7	11.6	12.5	9.2	9.5	8.8	9.0	9.1	9.8	8.9
152°	9.5	10.5	11.4	12.3	9.4	9.3	8.7	9.0	9.1	9.8	9.0
153°	9.3	10.3	11.2	12.1	9.2	9.1	8.7	9.1	9.1	9.8	9.0
154°	9.3	10.3	11.0	11.9	8.4	9.0	8.7	9.1	9.1	9.8	9.0
155°	9.3	10.3	11.2	11.8	8.4	8.8	8.7	9.2	9.1	9.8	9.1
156°	9.2	10.3	11.2	11.6	8.3	8.4	8.7	9.2	9.1	9.8	9.1
157°	9.2	10.3	11.2	11.4	8.3	8.6	8.6	9.3	9.1	9.7	9.2
158°	9.2	10.3	11.2	11.2	8.3	8.6	8.6	9.3	9.4	9.7	9.2
159°	9.3	10.3	11.1	11.1	8.3	8.6	8.6	9.4	9.8	9.7	9.3
160°	9.5	10.3	11.1	10.9	8.3	8.6	8.6	9.4	10.1	9.7	9.3
161°	9.6	10.3	11.1	10.7	8.3	8.6	8.6	9.4	10.4	10.1	9.4
162°	9.8	10.3	11.1	10.6	8.4	8.6	9.0	9.5	10.7	10.5	10.4
163°	9.9	10.3	11.1	10.4	8.4	8.6	9.2	10.3	11.1	11.3	11.0
164°	10.1	10.3	11.1	10.3	8.5	8.6	9.2	10.7	11.7	11.5	11.4
165°	10.3	10.3	11.1	10.3	8.5	8.6	9.4	10.9	12.5	11.7	11.6
166°	10.9	10.3	11.1	10.2	8.6	8.6	9.8	11.3	13.2	12.3	11.8
167°	11.9	10.5	11.1	10.1	8.6	8.6	9.6	11.7	13.8	12.4	12.4
168°	12.1	11.1	11.1	10.1	8.6	8.6	9.7	11.5	14.0	12.4	13.2
169°	12.3	12.1	11.1	10.0	8.7	8.6	9.8	11.7	14.2	12.4	13.4
170°	12.1	12.3	11.0	10.0	8.7	8.6	9.9	11.7	14.4	12.4	13.4
171°	12.5	12.3	11.0	9.9	8.7	8.6	10.0	11.9	14.6	12.4	13.4
172°	12.5	12.6	11.0	9.9	8.8	8.6	10.1	12.0	14.8	12.5	13.3
173°	12.5	13.0	11.0	9.8	8.8	8.6	10.2	12.1	14.7	12.5	13.3
174°	12.4	13.4	11.0	9.8	8.8	9.0	10.6	12.2	14.7	12.5	13.3
175°	12.4	13.2	11.0	9.7	9.0	8.8	10.4	12.3	14.6	12.5	13.3
176°	12.4	13.2	11.0	9.6	9.4	9.4	10.4	12.4	14.6	12.5	13.2
177°	12.3	13.2	11.6	9.6	9.6	9.6	10.4	12.5	14.6	12.5	13.2
178°	12.5	13.2	11.4	9.6	9.6	9.4	10.4	12.5	14.2	12.5	13.2
179°	12.5	13.2	11.4	9.6	9.6	9.4	10.4	12.5	14.2	12.5	13.2



TEST NUMBER: P600969
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 3500K 277V

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: P600969

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3080.6	3080.6	3080.6	3080.6	3080.6	3080.6
1°	3080.4	3081.0	3081.4	3081.0	3081.0	3080.6
2°	3080.4	3081.2	3081.8	3081.4	3080.8	3080.2
3°	3079.2	3081.4	3081.8	3081.4	3077.6	3076.6
4°	3076.0	3079.0	3080.0	3079.6	3073.2	3071.7
5°	3072.5	3074.4	3076.6	3076.4	3067.3	3065.7
6°	3067.5	3069.5	3072.5	3072.3	3060.1	3058.1
7°	3061.1	3063.5	3066.7	3067.1	3051.6	3049.0
8°	3054.9	3057.9	3060.1	3060.5	3042.4	3038.2
9°	3047.2	3050.6	3052.4	3051.6	3031.1	3026.7
10°	3038.6	3043.2	3043.4	3042.2	3018.5	3013.9
11°	3028.9	3034.2	3033.6	3031.9	3004.8	3000.0
12°	3018.3	3022.9	3023.5	3020.1	2990.5	2984.7
13°	3006.8	3011.6	3012.5	3006.6	2974.1	2968.4
14°	2994.0	2998.8	3000.4	2992.2	2957.4	2949.9
15°	2981.3	2985.5	2987.7	2977.1	2939.5	2930.9
16°	2966.6	2970.4	2973.1	2960.2	2920.0	2911.2
17°	2951.8	2956.0	2958.6	2942.7	2900.5	2890.7
18°	2934.9	2939.5	2941.3	2923.8	2880.2	2868.1
19°	2917.2	2923.4	2923.8	2903.7	2857.9	2844.8
20°	2898.3	2905.7	2904.5	2883.0	2834.4	2820.1
21°	2877.6	2887.2	2884.8	2862.5	2810.1	2794.2
22°	2857.1	2868.1	2864.9	2839.8	2784.3	2766.8
23°	2835.6	2847.6	2844.2	2815.3	2757.8	2738.9
24°	2814.3	2827.3	2822.1	2790.6	2731.1	2710.0
25°	2792.2	2806.8	2799.0	2765.6	2702.5	2680.2
26°	2770.3	2786.3	2775.9	2739.3	2673.6	2649.7
27°	2746.1	2762.8	2750.6	2712.2	2642.8	2617.9
28°	2721.2	2739.3	2726.4	2683.6	2612.1	2584.5
29°	2696.1	2714.2	2699.9	2654.9	2579.9	2551.6
30°	2670.8	2689.3	2675.0	2624.7	2548.0	2517.2
31°	2644.6	2663.5	2648.5	2594.4	2514.8	2482.0
32°	2616.9	2636.6	2621.5	2563.8	2480.0	2446.1
33°	2589.4	2609.5	2593.8	2531.7	2445.5	2409.7
34°	2561.6	2583.1	2566.7	2498.9	2410.1	2371.7
35°	2532.5	2555.0	2536.9	2466.4	2373.7	2334.5
36°	2502.5	2527.7	2507.8	2431.6	2336.9	2295.9
37°	2472.2	2499.1	2478.4	2397.8	2299.7	2256.5
38°	2442.4	2471.4	2447.7	2363.1	2261.3	2217.1
39°	2412.1	2442.2	2416.7	2328.1	2223.4	2176.5
40°	2381.1	2412.1	2385.6	2291.3	2184.0	2136.5
41°	2351.4	2382.5	2353.8	2255.7	2144.6	2096.7
42°	2320.0	2351.4	2321.4	2218.3	2105.0	2054.7
43°	2288.1	2320.8	2289.1	2181.8	2064.6	2012.3
44°	2256.5	2288.1	2255.5	2144.4	2024.0	1969.6

TEST NUMBER: P600969

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2224.4	2257.5	2221.6	2106.0	1983.4	1926.9
46°	2191.2	2224.8	2187.4	2067.8	1941.9	1883.4
47°	2157.8	2191.6	2154.4	2029.2	1900.8	1839.0
48°	2124.5	2159.6	2118.8	1990.1	1858.8	1794.8
49°	2090.3	2126.1	2084.5	1951.7	1816.3	1750.0
50°	2056.1	2093.1	2048.9	1912.7	1773.6	1705.8
51°	2021.8	2059.8	2012.7	1873.2	1729.9	1660.0
52°	1986.1	2025.8	1977.2	1833.7	1687.4	1614.9
53°	1951.1	1993.5	1941.4	1793.8	1643.7	1569.6
54°	1915.3	1959.3	1904.5	1754.0	1600.2	1523.6
55°	1879.3	1925.7	1867.0	1714.5	1556.2	1477.6
56°	1842.4	1890.6	1829.1	1674.1	1512.3	1431.3
57°	1806.4	1855.7	1792.4	1634.1	1467.6	1384.8
58°	1768.8	1819.1	1753.1	1593.1	1423.8	1338.2
59°	1731.6	1783.1	1716.2	1552.6	1378.7	1291.1
60°	1694.0	1747.0	1677.5	1512.4	1333.8	1243.5
61°	1655.7	1709.3	1640.3	1472.0	1288.6	1195.2
62°	1617.2	1673.0	1601.2	1431.3	1243.7	1147.1
63°	1579.1	1635.5	1562.7	1390.8	1198.3	1099.3
64°	1540.4	1598.0	1523.6	1349.7	1153.6	1051.9
65°	1502.2	1560.2	1484.5	1309.2	1107.9	1003.1
66°	1464.1	1521.3	1445.5	1268.8	1063.1	954.5
67°	1424.5	1483.9	1406.2	1228.4	1018.8	906.4
68°	1385.4	1443.8	1366.6	1187.4	974.2	858.1
69°	1345.9	1406.3	1327.1	1145.4	929.3	810.4
70°	1306.6	1366.9	1287.9	1104.8	885.6	761.7
71°	1265.8	1327.4	1248.3	1063.2	841.0	713.4
72°	1225.9	1288.3	1208.8	1022.4	797.8	666.0
73°	1185.6	1248.1	1169.0	980.6	754.1	617.9
74°	1145.3	1207.9	1128.8	940.0	710.4	570.4
75°	1106.9	1165.3	1089.6	898.7	667.6	523.4
76°	1067.7	1123.2	1050.2	858.5	625.9	477.6
77°	1029.3	1079.7	1010.6	817.8	584.3	432.0
78°	990.1	1035.8	971.8	777.7	543.2	387.1
79°	950.4	994.7	930.5	739.0	502.6	343.6
80°	911.5	953.1	892.9	701.2	463.3	301.7
81°	873.9	912.2	854.1	664.7	425.2	260.6
82°	835.9	872.7	815.8	628.7	389.3	221.5
83°	799.9	834.2	778.9	594.3	354.5	184.7
84°	765.4	799.0	742.9	560.4	321.6	151.6
85°	731.5	763.6	708.6	528.3	290.7	121.0
86°	699.1	732.4	676.8	498.3	263.2	95.0
87°	668.7	701.0	646.6	470.5	237.1	72.8
88°	642.1	673.1	619.4	445.4	215.0	54.3
89°	616.1	648.9	595.0	423.4	194.6	43.7

TEST NUMBER: P600969

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	596.0	626.4	573.7	403.0	179.7	38.8
91°	576.2	605.9	553.0	387.2	168.9	36.8
92°	559.1	588.4	536.2	372.6	159.0	35.8
93°	542.7	571.5	520.1	358.6	150.0	34.8
94°	526.2	555.4	503.5	344.2	140.8	34.0
95°	509.6	539.1	488.1	330.8	132.3	33.4
96°	492.9	523.8	472.4	318.8	124.3	32.6
97°	477.3	508.4	457.3	307.5	116.2	32.0
98°	461.4	492.7	443.1	295.6	108.6	31.2
99°	445.3	479.4	429.0	283.2	101.8	30.7
100°	430.6	464.6	413.8	271.9	95.6	30.3
101°	415.9	450.0	399.2	260.3	89.4	29.8
102°	400.2	436.9	384.8	249.5	83.5	29.4
103°	387.0	423.2	370.6	238.8	78.4	28.9
104°	371.6	409.4	357.6	227.9	73.1	28.3
105°	358.3	396.7	345.5	217.6	68.2	27.7
106°	344.1	383.8	333.9	207.4	63.7	27.1
107°	330.4	370.4	322.1	197.6	59.6	26.5
108°	317.1	357.1	309.0	188.0	55.4	25.9
109°	304.8	343.8	296.4	179.0	51.3	25.5
110°	292.0	330.0	284.5	170.2	47.3	25.1
111°	280.0	317.0	272.4	161.3	43.8	24.7
112°	268.2	304.1	260.7	152.9	40.4	24.1
113°	256.9	291.6	248.9	144.7	37.2	24.1
114°	245.4	279.5	237.9	136.7	34.1	23.5
115°	234.3	268.1	227.3	129.4	31.3	23.1
116°	223.5	256.2	216.8	121.7	28.6	22.7
117°	213.1	244.3	206.2	114.5	26.7	22.3
118°	202.0	233.3	195.7	107.5	25.4	21.7
119°	192.2	222.2	186.0	100.8	25.4	21.3
120°	182.5	211.8	176.3	94.2	24.8	20.9
121°	172.2	201.0	167.1	87.7	24.2	20.2
122°	163.3	190.8	158.0	81.6	23.8	19.6
123°	153.7	180.8	148.7	75.2	23.4	19.0
124°	144.8	170.9	139.9	69.4	23.0	18.0
125°	136.1	161.5	131.6	64.1	22.4	17.8
126°	127.1	152.0	123.2	58.3	22.2	17.2
127°	119.3	142.6	114.7	53.1	21.4	16.8
128°	110.6	133.8	106.9	47.9	21.0	16.4
129°	102.8	124.9	98.9	42.9	20.8	15.8
130°	94.9	116.6	91.0	38.0	20.0	15.8
131°	87.1	107.8	83.7	34.1	19.4	15.2
132°	80.0	99.7	76.4	29.6	19.0	14.8
133°	72.4	91.8	69.6	25.7	18.8	14.2
134°	65.9	84.3	63.6	22.3	18.0	14.0

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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	59.0	76.5	56.9	19.6	17.5	13.6
136°	52.6	69.3	50.9	18.8	17.3	13.4
137°	46.4	62.9	44.9	18.0	16.6	12.8
138°	40.3	56.4	39.5	17.5	16.1	12.5
139°	34.4	49.8	34.2	17.1	15.7	12.3
140°	28.8	43.5	29.0	16.5	15.1	12.1
141°	23.6	37.9	24.2	16.3	14.7	11.5
142°	18.7	32.2	20.1	15.7	14.3	11.4
143°	14.5	26.8	17.0	15.3	13.9	11.2
144°	12.4	21.8	16.4	14.9	13.7	11.1
145°	12.0	17.9	15.8	14.3	13.1	10.9
146°	11.8	15.8	15.4	14.1	12.9	10.7
147°	11.6	15.2	15.4	13.5	12.1	10.5
148°	10.8	15.0	15.0	13.1	12.3	10.3
149°	10.4	14.8	14.7	12.6	11.9	9.9
150°	10.2	14.4	14.3	12.4	11.5	9.9
151°	10.0	14.0	13.9	12.0	11.5	9.7
152°	9.2	13.7	13.3	11.8	10.9	9.5
153°	9.4	13.1	13.1	11.6	10.9	9.3
154°	9.0	13.1	13.1	11.6	10.9	9.3
155°	8.9	12.5	12.5	11.7	10.9	9.3
156°	8.8	12.3	12.5	11.7	10.9	9.2
157°	8.7	12.1	12.1	11.7	11.0	9.2
158°	8.6	11.9	11.9	11.7	11.0	9.2
159°	8.5	11.7	11.7	11.7	11.0	9.3
160°	8.4	11.5	11.9	11.7	11.0	9.5
161°	8.6	11.5	11.7	11.7	11.0	9.6
162°	8.8	11.4	11.3	11.7	11.1	9.8
163°	9.2	11.2	11.2	11.7	11.1	9.9
164°	9.6	11.1	11.1	11.8	11.7	10.1
165°	10.0	11.0	11.0	11.8	11.9	10.3
166°	10.0	10.9	11.0	11.8	12.3	10.9
167°	10.2	10.7	10.9	11.8	12.1	11.9
168°	10.8	10.5	10.9	11.8	12.3	12.1
169°	10.6	10.5	10.8	11.8	12.5	12.3
170°	11.0	10.3	10.8	11.9	12.8	12.1
171°	11.0	10.1	10.7	11.9	13.0	12.5
172°	11.1	10.0	10.7	11.9	13.3	12.5
173°	11.2	9.9	10.6	11.9	13.5	12.5
174°	11.2	9.8	10.6	12.0	13.9	12.4
175°	11.3	9.7	10.5	12.0	13.9	12.4
176°	11.4	9.6	10.5	12.0	13.9	12.4
177°	11.4	9.4	10.4	12.2	14.3	12.3
178°	11.4	9.4	10.4	12.4	14.1	12.5
179°	11.4	9.4	10.4	12.6	14.1	12.5



TEST NUMBER: P600969
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 3500K 277V

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)