

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: P600970

Luminaire Tested: 8APVTLD-SL3C3 MID POWER 4000K 277V

Issue Date: 1/11/2023

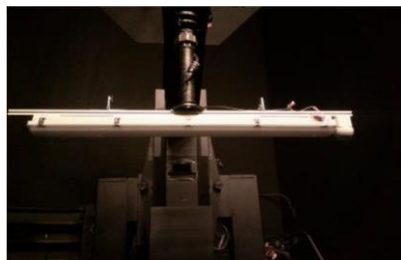
Test Information

Test Method: LM-79-2019
Report Number: P600970
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 277V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

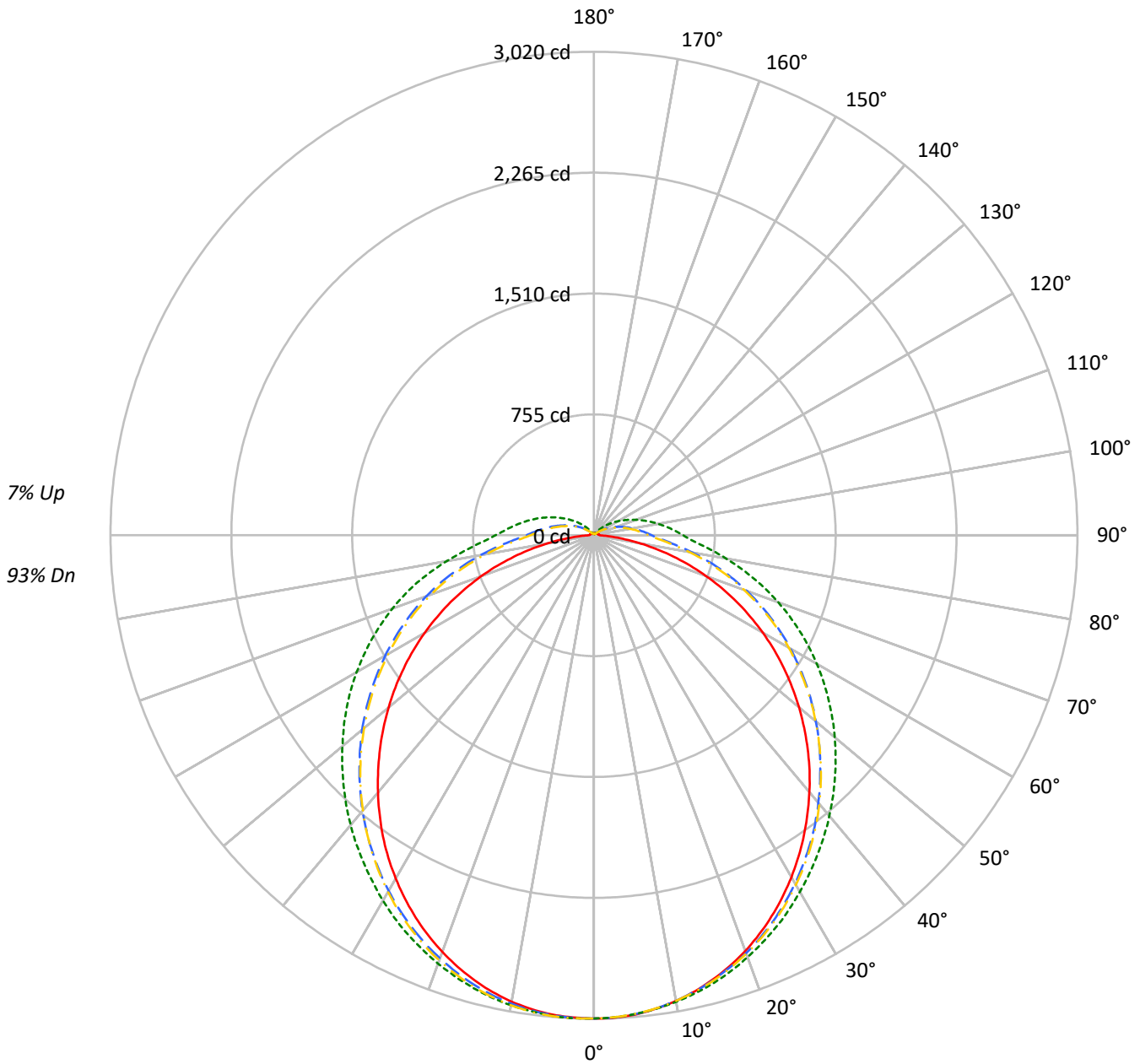
Lumens per Lamp: N/A
Luminaire Lumens: 10250.7 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V): 277
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P600970
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 277V

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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°	12185	12185	12185	12185
5°	12162	11899	12165	11945
10°	12083	11617	12104	11707
15°	11968	11336	11997	11458
20°	11826	11044	11851	11211
25°	11641	10761	11678	10971
30°	11428	10477	11470	10734
35°	11191	10210	11237	10499
40°	10936	9964	10959	10295
45°	10668	9729	10676	10103
50°	10368	9499	10389	9924
55°	10040	9277	10063	9786
60°	9663	9055	9693	9645
65°	9184	8816	9214	9506
70°	8564	8566	8614	9372
75°	7700	8297	7742	9213
80°	6490	8059	6554	8980
85°	4908	8024	4941	8983

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 14725 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.5	2.8
10°-20°	816.2	8.0
20°-30°	1234.4	12.0
30°-40°	1491.7	14.6
40°-50°	1569.5	15.3
50°-60°	1474.2	14.4
60°-70°	1229.1	12.0
70°-80°	876.6	8.6
80°-90°	513.5	5.0
90°-100°	320.4	3.1
100°-110°	210.6	2.1
110°-120°	124.1	1.2
120°-130°	63.4	0.6
130°-140°	24.6	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°	2336.1	22.8
0°-40°	3827.9	37.3
0°-60°	6871.6	67.0
0°-90°	9490.9	92.6
90°-120°	655.0	6.4
90°-150°	751.2	7.3
90°-180°	760.0	7.4
0°-180°	10250.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3019	3019	3019	3019	3019	
5°	3004	3001	3005	3013	3004	285
15°	2872	2894	2879	2926	2872	810
25°	2626	2698	2635	2750	2626	1210
35°	2288	2435	2297	2504	2288	1431
45°	1888	2130	1890	2212	1888	1456
55°	1448	1789	1451	1887	1448	1294
65°	983	1418	986	1529	983	972
75°	513	1028	516	1142	513	544
85°	119	668	119	748	119	134
90°	38	557	32	614	38	23
95°	33	480	27	528	33	26
105°	27	342	23	389	27	29
115°	23	226	21	263	23	22
125°	18	131	16	158	18	16
135°	13	58	12	75	13	10
145°	11	11	9	18	11	7
155°	9	8	9	12	9	4
165°	10	8	12	11	10	3
175°	12	9	14	10	12	1
180°	12	12	12	12	12	



TEST NUMBER: P600970

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8
1°	3018.8	3018.8	3018.6	3017.6	3017.0	3016.8	3017.4	3017.2	3018.0	3018.8	3018.8
2°	3018.4	3017.8	3016.2	3015.0	3015.0	3013.8	3014.6	3015.0	3016.0	3017.6	3017.6
3°	3014.8	3014.0	3012.1	3010.9	3011.7	3009.7	3011.5	3012.3	3013.6	3015.4	3015.8
4°	3010.1	3009.3	3007.3	3005.4	3007.1	3004.8	3006.1	3007.5	3010.1	3011.3	3013.2
5°	3004.2	3002.4	3001.8	2999.3	3000.8	2998.5	3000.4	3001.4	3005.0	3006.5	3009.1
6°	2996.7	2994.7	2994.5	2992.2	2994.5	2991.4	2993.5	2994.3	2998.7	3000.0	3003.4
7°	2987.8	2985.5	2986.3	2984.1	2987.4	2984.1	2985.7	2985.7	2990.6	2992.8	2997.1
8°	2977.2	2974.8	2976.6	2974.4	2979.0	2975.2	2976.4	2975.4	2980.9	2983.7	2989.6
9°	2966.0	2963.0	2965.0	2965.4	2969.3	2965.4	2965.2	2964.0	2970.1	2973.6	2980.7
10°	2953.4	2950.4	2952.6	2954.3	2959.3	2954.5	2953.6	2952.0	2958.5	2962.2	2971.1
11°	2939.8	2936.8	2939.4	2941.9	2948.4	2942.9	2940.4	2938.2	2944.7	2949.6	2959.7
12°	2924.8	2922.2	2925.0	2929.7	2936.8	2930.9	2927.4	2923.8	2930.1	2935.8	2947.8
13°	2908.9	2906.7	2910.8	2915.7	2924.2	2917.3	2912.8	2907.7	2914.2	2921.3	2934.3
14°	2890.7	2889.0	2894.7	2901.6	2909.8	2902.4	2897.0	2890.3	2897.8	2906.1	2920.3
15°	2872.0	2871.6	2876.7	2887.2	2894.5	2887.4	2881.1	2870.8	2878.9	2888.6	2904.9
16°	2852.7	2852.7	2858.0	2870.4	2878.3	2871.0	2863.4	2850.4	2858.8	2868.5	2888.6
17°	2832.6	2833.2	2838.9	2853.1	2861.6	2853.7	2843.9	2829.7	2838.3	2848.8	2871.2
18°	2810.6	2812.5	2819.0	2834.2	2843.7	2834.8	2823.4	2807.6	2816.1	2827.9	2852.3
19°	2787.7	2790.1	2799.1	2816.1	2824.9	2814.3	2802.9	2785.0	2793.0	2806.0	2832.2
20°	2763.5	2765.7	2777.9	2795.4	2804.9	2794.6	2781.8	2760.9	2769.4	2783.2	2811.8
21°	2738.1	2741.8	2755.2	2775.3	2784.4	2773.5	2759.6	2736.5	2744.4	2759.2	2791.3
22°	2711.3	2715.6	2731.2	2754.2	2763.9	2752.1	2736.5	2712.1	2718.4	2734.5	2769.6
23°	2683.9	2689.2	2706.8	2731.0	2742.0	2730.2	2712.9	2687.7	2691.6	2709.1	2746.4
24°	2655.6	2661.5	2681.0	2708.0	2720.6	2707.2	2688.1	2661.1	2663.4	2682.5	2723.1
25°	2626.4	2633.5	2655.2	2684.7	2697.9	2683.9	2662.5	2633.9	2634.7	2655.2	2698.7
26°	2596.5	2604.9	2627.4	2660.3	2674.9	2659.1	2636.3	2604.4	2604.4	2627.6	2673.5
27°	2565.4	2574.8	2599.8	2635.1	2649.9	2634.1	2610.1	2575.6	2574.2	2598.4	2647.3
28°	2532.7	2543.7	2571.1	2609.3	2624.8	2608.1	2580.9	2544.3	2541.9	2568.5	2620.9
29°	2500.4	2511.8	2541.9	2582.5	2599.0	2581.7	2552.0	2512.8	2509.6	2537.8	2592.7
30°	2466.7	2479.1	2512.2	2554.5	2572.3	2554.9	2522.6	2481.3	2475.7	2505.9	2564.8
31°	2432.2	2445.8	2481.5	2526.6	2546.1	2527.1	2492.3	2447.8	2441.9	2474.8	2535.4
32°	2397.0	2411.5	2450.5	2498.4	2518.9	2498.6	2461.0	2413.9	2407.0	2442.1	2506.7
33°	2361.3	2376.9	2418.0	2469.4	2491.3	2468.9	2429.1	2379.0	2371.2	2408.2	2475.3
34°	2324.1	2342.0	2386.3	2439.7	2462.7	2439.7	2397.4	2343.8	2334.7	2375.3	2445.0
35°	2287.7	2305.8	2353.2	2410.6	2434.6	2410.6	2364.5	2307.3	2297.1	2340.4	2413.1
36°	2249.8	2269.7	2319.6	2379.8	2406.0	2379.6	2330.4	2270.5	2258.1	2305.0	2381.8
37°	2211.2	2232.3	2287.3	2349.5	2377.5	2349.5	2296.7	2233.1	2218.5	2269.1	2348.9
38°	2172.6	2194.9	2252.0	2319.8	2347.9	2319.2	2261.8	2193.7	2178.9	2232.7	2315.6
39°	2132.8	2156.5	2216.9	2289.4	2318.8	2287.7	2226.0	2154.1	2139.7	2195.3	2282.5
40°	2093.6	2117.3	2180.5	2258.3	2287.7	2255.7	2189.6	2114.7	2098.0	2157.5	2247.7
41°	2054.7	2078.7	2145.3	2225.4	2256.7	2224.4	2152.9	2075.5	2057.6	2120.2	2213.8
42°	2013.5	2039.1	2108.8	2192.9	2225.8	2191.7	2115.7	2035.7	2016.0	2080.6	2178.9
43°	1971.9	2000.3	2071.6	2159.8	2194.1	2158.4	2078.5	1994.8	1973.9	2040.7	2143.1
44°	1930.0	1960.5	2035.5	2126.9	2162.4	2125.4	2040.7	1954.0	1932.0	2001.5	2107.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1888.3	1919.0	1998.1	2094.4	2130.3	2092.1	2002.3	1912.0	1889.7	1961.4	2071.6
46°	1845.6	1878.6	1961.4	2060.2	2098.2	2057.8	1964.0	1870.8	1847.6	1920.5	2035.7
47°	1802.1	1836.4	1924.1	2025.1	2063.9	2023.1	1924.8	1829.0	1804.7	1880.4	1999.3
48°	1758.8	1794.5	1886.7	1991.2	2031.0	1989.1	1886.4	1786.8	1761.8	1840.1	1962.9
49°	1714.8	1751.7	1848.7	1956.3	1997.7	1954.1	1847.0	1743.6	1718.1	1798.0	1925.6
50°	1671.6	1709.6	1810.1	1921.9	1963.3	1918.0	1807.7	1700.1	1674.9	1756.5	1889.5
51°	1626.6	1667.1	1772.0	1885.8	1929.6	1883.2	1768.4	1657.9	1631.0	1714.2	1852.5
52°	1582.5	1623.4	1733.1	1850.9	1894.8	1846.8	1728.0	1613.9	1586.1	1671.6	1814.2
53°	1538.1	1580.6	1694.5	1815.2	1859.6	1810.3	1687.9	1570.6	1541.5	1629.0	1776.4
54°	1493.0	1537.0	1655.5	1778.0	1824.0	1773.5	1647.7	1526.9	1496.4	1587.0	1737.9
55°	1447.9	1493.3	1615.8	1742.2	1788.9	1736.5	1607.4	1482.5	1451.2	1543.7	1699.2
56°	1402.6	1450.1	1576.0	1705.0	1752.6	1699.8	1566.7	1438.4	1405.8	1500.2	1661.2
57°	1357.0	1406.1	1536.3	1667.7	1716.3	1662.3	1526.3	1394.1	1360.2	1457.5	1622.3
58°	1311.4	1361.6	1496.9	1628.9	1681.5	1624.4	1485.7	1349.8	1314.0	1413.6	1583.6
59°	1265.2	1318.0	1457.4	1590.9	1644.1	1586.1	1445.9	1304.7	1268.2	1370.5	1543.8
60°	1218.6	1274.5	1417.6	1552.4	1607.3	1547.4	1405.0	1261.0	1222.4	1327.5	1505.5
61°	1171.2	1230.0	1377.6	1513.0	1570.7	1509.1	1364.3	1215.4	1175.1	1283.9	1467.0
62°	1124.1	1186.6	1337.7	1475.8	1532.4	1470.2	1323.7	1170.3	1127.8	1240.9	1427.4
63°	1077.2	1142.9	1297.8	1436.7	1495.5	1431.3	1283.7	1125.8	1080.7	1197.8	1388.7
64°	1030.8	1098.9	1258.5	1399.7	1457.2	1392.7	1243.0	1081.8	1034.0	1153.6	1349.8
65°	983.0	1055.6	1218.7	1362.3	1417.9	1352.9	1201.8	1037.4	986.3	1110.2	1309.7
66°	935.4	1011.4	1178.0	1322.8	1381.1	1314.3	1161.3	993.4	939.0	1067.8	1271.5
67°	888.2	967.9	1136.9	1284.7	1341.0	1275.1	1119.9	949.6	891.6	1024.0	1231.9
68°	840.8	923.8	1095.5	1244.8	1303.6	1235.9	1079.2	905.8	844.8	980.5	1192.1
69°	794.1	880.4	1055.6	1206.2	1264.5	1196.6	1037.6	861.8	797.0	936.9	1152.3
70°	746.4	837.8	1015.1	1166.0	1224.4	1157.6	996.4	819.0	750.8	894.2	1112.8
71°	699.1	794.3	975.2	1125.6	1185.4	1117.4	956.0	775.3	702.4	851.3	1072.4
72°	652.6	752.3	935.2	1084.9	1146.7	1078.8	916.1	732.9	656.2	808.9	1033.3
73°	605.5	709.7	896.0	1044.0	1107.1	1038.8	876.5	690.4	608.4	767.6	993.5
74°	558.9	669.7	856.9	1004.1	1067.6	999.4	836.8	648.2	562.1	725.4	953.7
75°	512.9	628.2	817.5	963.9	1028.4	961.0	797.5	606.6	515.7	684.1	914.2
76°	468.0	587.9	777.6	925.2	988.8	922.4	758.4	565.5	470.1	644.2	874.5
77°	423.3	547.6	739.0	887.4	951.0	884.3	720.3	526.5	426.0	604.9	835.4
78°	379.4	508.3	699.5	849.7	912.5	845.9	681.3	486.7	382.0	566.0	796.1
79°	336.7	470.4	662.7	812.5	874.7	808.3	644.3	450.0	338.8	527.1	757.3
80°	295.7	434.1	625.9	775.4	838.2	772.0	608.2	412.4	298.6	489.2	721.1
81°	255.3	398.4	589.6	739.1	800.7	735.0	571.5	376.4	259.3	452.2	683.1
82°	217.0	364.3	555.1	703.6	766.9	700.3	538.0	341.8	221.1	415.9	647.1
83°	181.0	332.2	521.3	669.7	731.2	666.8	503.7	308.5	184.3	381.3	612.3
84°	148.5	300.7	490.1	637.2	699.3	634.9	473.4	277.6	150.6	347.5	579.5
85°	118.6	272.6	462.6	606.3	668.3	604.8	444.0	248.9	119.4	316.1	547.7
86°	93.1	246.5	436.8	579.3	639.9	576.2	417.1	222.6	92.1	286.7	516.5
87°	71.3	224.2	411.8	554.0	613.0	550.5	392.4	200.2	70.3	260.8	487.2
88°	53.3	204.4	391.3	532.8	592.1	530.2	373.1	181.0	52.6	238.8	461.4
89°	42.8	188.0	373.5	512.9	572.3	510.5	355.6	164.5	39.9	219.4	440.1



TEST NUMBER: P600970

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	38.0	177.0	360.2	496.9	557.0	495.7	341.5	152.5	31.9	203.0	421.4
91°	36.1	167.7	347.8	482.6	540.4	479.6	327.9	143.3	29.7	191.0	405.1
92°	35.1	158.5	335.4	468.2	525.0	465.9	316.2	134.7	28.7	180.3	390.5
93°	34.1	149.5	323.4	453.7	510.0	451.0	304.8	126.4	28.0	170.3	376.3
94°	33.3	141.3	311.6	440.4	493.8	436.8	293.5	118.6	27.5	160.5	362.4
95°	32.7	133.0	299.5	426.7	479.9	423.4	281.9	111.2	26.6	150.9	348.9
96°	31.9	125.3	288.4	414.4	464.8	408.9	270.9	104.0	26.0	142.2	335.3
97°	31.3	118.0	277.1	401.0	451.2	395.9	261.1	97.4	25.8	133.5	322.0
98°	30.5	111.3	266.8	388.3	436.1	382.8	250.7	91.0	25.7	125.5	309.8
99°	30.1	104.6	256.1	375.6	422.0	370.3	240.4	85.2	25.5	117.3	297.4
100°	29.7	98.4	245.4	362.9	407.7	357.8	229.6	79.3	25.3	110.2	285.4
101°	29.2	92.3	235.0	350.6	394.9	345.0	219.8	74.3	25.2	103.2	273.9
102°	28.8	87.3	225.1	338.1	380.4	331.8	210.3	69.0	24.8	96.7	262.9
103°	28.4	81.7	215.4	325.3	368.3	319.9	201.5	64.2	24.0	90.2	252.1
104°	27.8	76.5	205.9	313.3	354.2	307.3	192.2	59.8	23.6	84.5	241.0
105°	27.2	72.0	197.1	301.7	342.2	296.4	183.7	55.7	23.2	78.9	230.4
106°	26.6	67.3	188.0	289.7	329.2	284.9	174.7	51.3	23.2	73.3	220.2
107°	26.0	63.3	179.7	278.5	316.6	274.6	166.2	47.4	22.6	68.2	209.8
108°	25.4	58.9	171.2	267.7	304.7	263.9	157.1	43.5	22.2	63.7	200.1
109°	25.0	54.7	163.1	256.6	292.9	253.4	149.0	40.3	22.1	59.1	190.4
110°	24.6	50.7	155.1	245.8	280.7	242.4	141.2	36.3	22.0	54.3	181.0
111°	24.2	46.9	147.1	235.6	270.1	232.0	133.9	33.2	21.9	50.0	172.2
112°	23.6	43.0	139.6	224.9	258.6	221.0	126.6	30.2	21.7	45.8	163.5
113°	23.6	39.6	132.0	214.9	247.8	210.9	119.5	27.1	21.6	41.5	155.0
114°	23.0	36.5	124.8	205.1	236.8	200.4	112.3	24.7	21.4	37.9	146.6
115°	22.6	33.2	117.6	195.2	225.9	190.2	105.6	22.5	20.6	34.3	138.5
116°	22.2	30.6	111.0	185.8	216.0	180.2	98.9	20.6	19.8	30.8	130.5
117°	21.8	28.2	104.5	176.7	205.0	171.6	92.8	19.8	19.8	27.6	123.0
118°	21.2	25.8	97.8	167.9	195.8	162.9	86.4	19.2	19.0	24.7	115.1
119°	20.8	24.0	91.7	159.1	185.9	154.4	80.3	18.6	18.8	22.0	107.9
120°	20.4	23.4	85.4	150.8	176.4	146.0	74.4	18.4	18.4	19.7	101.2
121°	19.8	23.0	79.5	142.2	166.9	137.5	68.3	18.0	18.4	18.4	94.3
122°	19.2	22.6	73.6	133.9	158.5	129.4	63.5	17.8	18.2	18.0	87.7
123°	18.6	21.8	68.1	126.3	148.9	121.1	57.8	17.0	17.3	17.7	80.7
124°	17.7	21.8	63.0	118.3	140.6	113.6	52.7	16.6	16.7	17.1	74.8
125°	17.5	21.2	57.5	110.7	131.2	105.9	47.6	16.4	16.2	16.8	68.5
126°	16.9	20.4	52.3	103.1	123.7	98.4	42.6	15.8	15.7	16.3	62.9
127°	16.5	20.2	47.3	96.1	115.4	91.1	38.1	15.6	15.1	15.9	57.4
128°	16.1	19.8	42.6	89.0	107.5	84.0	34.0	15.2	14.6	15.5	51.5
129°	15.5	19.2	37.9	82.0	99.8	76.8	29.1	15.0	14.0	15.3	46.2
130°	15.5	18.8	33.4	75.3	92.6	70.6	25.5	15.0	13.5	15.1	41.2
131°	14.9	18.5	29.5	68.9	84.4	64.3	21.8	13.8	13.1	14.9	35.8
132°	14.5	17.9	25.5	62.8	78.2	58.1	18.5	13.4	12.5	13.9	31.3
133°	13.9	17.5	22.1	56.8	70.5	52.2	15.6	13.0	12.1	13.5	26.9
134°	13.7	17.1	18.8	51.1	64.4	46.6	13.4	12.8	12.1	13.3	22.5



TEST NUMBER: P600970

CATALOG NUMBER: 8APVTL-D-SL3C3 MID POWER 4000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	13.3	16.3	17.1	45.2	57.7	41.1	13.0	12.3	11.7	13.1	18.7
136°	13.1	15.9	16.7	40.0	51.4	35.7	12.5	12.3	10.5	12.8	15.0
137°	12.5	15.5	15.9	35.0	45.5	31.0	12.1	12.4	10.1	12.5	13.1
138°	12.3	15.1	15.7	30.4	39.6	26.4	11.7	12.3	9.7	12.2	12.6
139°	12.1	14.7	14.9	25.4	34.0	21.9	11.2	11.1	9.7	12.0	12.0
140°	11.9	14.1	14.7	21.3	28.7	18.0	10.8	10.5	9.1	11.7	11.8
141°	11.3	13.9	14.5	17.6	23.7	14.3	10.4	10.3	9.0	11.3	11.4
142°	11.2	13.5	14.1	15.0	19.0	11.8	10.0	9.9	9.0	11.0	10.6
143°	11.0	12.9	13.6	14.2	14.8	11.4	9.9	9.5	8.9	10.6	10.0
144°	10.8	12.7	13.2	14.0	12.0	11.0	9.9	9.1	8.9	10.3	9.6
145°	10.7	12.5	12.9	14.0	10.8	10.8	9.8	9.0	8.9	10.1	9.4
146°	10.5	11.9	12.6	13.6	10.2	10.4	9.7	8.9	8.9	10.0	8.8
147°	10.3	11.5	12.2	13.2	10.0	10.0	9.7	8.9	8.9	9.8	8.6
148°	10.1	11.1	11.9	13.0	9.6	9.8	9.6	8.8	8.9	9.6	8.6
149°	9.7	11.1	11.5	12.8	9.4	9.6	9.0	8.7	8.9	9.6	8.7
150°	9.7	10.9	11.2	12.5	9.0	9.5	8.6	8.7	8.9	9.6	8.7
151°	9.5	10.5	11.4	12.3	9.0	9.3	8.6	8.8	8.9	9.6	8.7
152°	9.3	10.3	11.2	12.0	9.2	9.1	8.6	8.8	8.9	9.6	8.8
153°	9.1	10.1	11.0	11.9	9.0	9.0	8.5	8.9	8.9	9.6	8.8
154°	9.1	10.1	10.8	11.7	8.2	8.8	8.5	8.9	8.9	9.6	8.9
155°	9.1	10.1	11.0	11.5	8.2	8.6	8.5	9.0	8.9	9.6	8.9
156°	9.0	10.1	11.0	11.4	8.2	8.2	8.5	9.0	8.9	9.6	9.0
157°	9.0	10.1	10.9	11.2	8.2	8.4	8.5	9.1	8.9	9.5	9.0
158°	9.0	10.1	10.9	11.0	8.1	8.4	8.4	9.1	9.2	9.5	9.0
159°	9.1	10.1	10.9	10.8	8.1	8.4	8.4	9.2	9.6	9.5	9.1
160°	9.3	10.1	10.9	10.7	8.1	8.4	8.4	9.2	9.9	9.5	9.1
161°	9.4	10.1	10.9	10.5	8.2	8.4	8.4	9.3	10.2	9.9	9.2
162°	9.6	10.1	10.9	10.4	8.2	8.4	8.8	9.3	10.5	10.3	10.2
163°	9.7	10.1	10.9	10.2	8.3	8.4	9.0	10.1	10.9	11.1	10.8
164°	9.9	10.1	10.9	10.1	8.3	8.4	9.0	10.5	11.5	11.3	11.2
165°	10.1	10.1	10.9	10.1	8.4	8.4	9.2	10.7	12.3	11.5	11.4
166°	10.7	10.1	10.9	10.0	8.4	8.4	9.6	11.1	12.9	12.1	11.6
167°	11.7	10.3	10.9	9.9	8.4	8.4	9.4	11.5	13.5	12.1	12.2
168°	11.9	10.9	10.8	9.9	8.5	8.4	9.5	11.3	13.7	12.1	12.9
169°	12.1	11.9	10.8	9.8	8.5	8.4	9.6	11.5	13.9	12.1	13.2
170°	11.9	12.1	10.8	9.8	8.5	8.4	9.7	11.5	14.1	12.2	13.1
171°	12.3	12.1	10.8	9.7	8.6	8.4	9.8	11.7	14.3	12.2	13.1
172°	12.3	12.3	10.8	9.7	8.6	8.4	9.9	11.8	14.5	12.2	13.1
173°	12.2	12.7	10.8	9.6	8.6	8.4	10.0	11.9	14.4	12.2	13.1
174°	12.2	13.1	10.8	9.6	8.6	8.8	10.4	12.0	14.4	12.2	13.0
175°	12.2	12.9	10.8	9.5	8.8	8.6	10.2	12.1	14.3	12.3	13.0
176°	12.1	12.9	10.8	9.5	9.2	9.2	10.2	12.2	14.3	12.3	13.0
177°	12.1	12.9	11.4	9.4	9.4	9.4	10.2	12.3	14.3	12.3	13.0
178°	12.3	12.9	11.2	9.4	9.4	9.2	10.2	12.3	13.9	12.3	13.0
179°	12.3	12.9	11.2	9.4	9.4	9.2	10.2	12.3	13.9	12.3	13.0



TEST NUMBER: P600970
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 277V

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: P600970

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3018.8	3018.8	3018.8	3018.8	3018.8	3018.8
1°	3018.6	3019.1	3019.5	3019.1	3019.1	3018.8
2°	3018.6	3019.3	3019.9	3019.5	3018.9	3018.4
3°	3017.4	3019.5	3019.9	3019.5	3015.8	3014.8
4°	3014.2	3017.2	3018.2	3017.8	3011.5	3010.1
5°	3010.9	3012.6	3014.8	3014.6	3005.8	3004.2
6°	3006.0	3007.9	3010.9	3010.7	2998.7	2996.7
7°	2999.6	3002.0	3005.2	3005.6	2990.4	2987.8
8°	2993.5	2996.5	2998.7	2999.1	2981.3	2977.2
9°	2986.1	2989.4	2991.2	2990.4	2970.3	2966.0
10°	2977.6	2982.1	2982.3	2981.1	2957.9	2953.4
11°	2968.1	2973.3	2972.7	2971.1	2944.5	2939.8
12°	2957.7	2962.2	2962.8	2959.5	2930.5	2924.8
13°	2946.5	2951.2	2952.0	2946.3	2914.4	2908.9
14°	2933.9	2938.6	2940.2	2932.1	2898.0	2890.7
15°	2921.5	2925.6	2927.8	2917.3	2880.5	2872.0
16°	2907.1	2910.8	2913.4	2900.8	2861.4	2852.7
17°	2892.5	2896.6	2899.2	2883.6	2842.3	2832.6
18°	2876.0	2880.5	2882.3	2865.1	2822.4	2810.6
19°	2858.6	2864.7	2865.1	2845.4	2800.5	2787.7
20°	2840.1	2847.4	2846.2	2825.1	2777.5	2763.5
21°	2819.8	2829.3	2826.9	2805.1	2753.6	2738.1
22°	2799.7	2810.6	2807.4	2782.8	2728.4	2711.3
23°	2778.7	2790.5	2787.1	2758.8	2702.4	2683.9
24°	2757.8	2770.6	2765.5	2734.5	2676.2	2655.6
25°	2736.1	2750.5	2742.8	2710.1	2648.3	2626.4
26°	2714.7	2730.4	2720.2	2684.3	2619.9	2596.5
27°	2691.0	2707.4	2695.4	2657.7	2589.8	2565.4
28°	2666.6	2684.3	2671.7	2629.8	2559.6	2532.7
29°	2642.0	2659.7	2645.7	2601.6	2528.1	2500.4
30°	2617.2	2635.3	2621.3	2572.1	2496.8	2466.7
31°	2591.6	2610.1	2595.3	2542.3	2464.3	2432.2
32°	2564.4	2583.7	2568.9	2512.4	2430.2	2397.0
33°	2537.4	2557.1	2541.7	2480.9	2396.4	2361.3
34°	2510.2	2531.3	2515.1	2448.8	2361.7	2324.1
35°	2481.7	2503.7	2486.0	2416.9	2326.1	2287.7
36°	2452.3	2476.9	2457.4	2382.8	2290.0	2249.8
37°	2422.6	2449.0	2428.7	2349.7	2253.6	2211.2
38°	2393.4	2421.8	2398.5	2315.6	2216.0	2172.6
39°	2363.7	2393.2	2368.2	2281.3	2178.7	2132.8
40°	2333.3	2363.7	2337.7	2245.3	2140.1	2093.6
41°	2304.2	2334.7	2306.6	2210.4	2101.5	2054.7
42°	2273.5	2304.2	2274.8	2173.8	2062.7	2013.5
43°	2242.2	2274.3	2243.1	2138.0	2023.1	1971.9
44°	2211.2	2242.2	2210.2	2101.3	1983.4	1930.0

TEST NUMBER: P600970

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2179.7	2212.2	2177.0	2063.7	1943.6	1888.3
46°	2147.2	2180.1	2143.5	2026.3	1902.9	1845.6
47°	2114.5	2147.6	2111.2	1988.5	1862.6	1802.1
48°	2081.8	2116.3	2076.3	1950.2	1821.5	1758.8
49°	2048.3	2083.4	2042.6	1912.5	1779.8	1714.8
50°	2014.9	2051.1	2007.8	1874.3	1738.0	1671.6
51°	1981.2	2018.4	1972.3	1835.6	1695.1	1626.6
52°	1946.2	1985.1	1937.5	1796.9	1653.5	1582.5
53°	1912.0	1953.5	1902.4	1757.8	1610.7	1538.1
54°	1876.9	1919.9	1866.3	1718.8	1568.1	1493.0
55°	1841.6	1887.0	1829.5	1680.1	1524.9	1447.9
56°	1805.4	1852.6	1792.4	1640.5	1481.9	1402.6
57°	1770.1	1818.5	1756.4	1601.3	1438.1	1357.0
58°	1733.3	1782.6	1717.9	1561.1	1395.2	1311.4
59°	1696.8	1747.3	1681.7	1521.5	1351.0	1265.2
60°	1660.0	1712.0	1643.8	1482.1	1307.0	1218.6
61°	1622.4	1675.0	1607.3	1442.4	1262.7	1171.2
62°	1584.8	1639.4	1569.1	1402.6	1218.7	1124.1
63°	1547.4	1602.6	1531.4	1362.8	1174.3	1077.2
64°	1509.5	1565.9	1493.0	1322.6	1130.5	1030.8
65°	1472.1	1528.9	1454.7	1282.9	1085.7	983.0
66°	1434.7	1490.8	1416.5	1243.4	1041.8	935.4
67°	1395.9	1454.1	1377.9	1203.7	998.3	888.2
68°	1357.6	1414.8	1339.2	1163.5	954.7	840.8
69°	1318.9	1378.1	1300.5	1122.4	910.6	794.1
70°	1280.4	1339.5	1262.1	1082.6	867.8	746.4
71°	1240.4	1300.8	1223.2	1041.9	824.1	699.1
72°	1201.3	1262.4	1184.6	1001.9	781.7	652.6
73°	1161.8	1223.0	1145.6	960.9	739.0	605.5
74°	1122.4	1183.7	1106.1	921.1	696.2	558.9
75°	1084.7	1141.9	1067.7	880.6	654.2	512.9
76°	1046.3	1100.6	1029.1	841.2	613.3	468.0
77°	1008.7	1058.0	990.3	801.4	572.6	423.3
78°	970.2	1015.0	952.3	762.1	532.3	379.4
79°	931.3	974.7	911.9	724.2	492.5	336.7
80°	893.2	934.0	875.0	687.1	454.0	295.7
81°	856.3	893.8	837.0	651.3	416.7	255.3
82°	819.2	855.1	799.4	616.0	381.5	217.0
83°	783.9	817.5	763.3	582.4	347.4	181.0
84°	750.0	782.9	728.0	549.2	315.2	148.5
85°	716.8	748.2	694.4	517.7	284.9	118.6
86°	685.1	717.7	663.2	488.3	257.9	93.1
87°	655.3	686.9	633.6	461.1	232.3	71.3
88°	629.2	659.6	606.9	436.5	210.7	53.3
89°	603.7	635.9	583.1	414.9	190.7	42.8

TEST NUMBER: P600970

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	584.0	613.9	562.2	394.9	176.1	38.0
91°	564.6	593.8	541.9	379.4	165.5	36.1
92°	547.8	576.6	525.5	365.2	155.8	35.1
93°	531.8	560.1	509.7	351.4	147.0	34.1
94°	515.6	544.2	493.4	337.3	137.9	33.3
95°	499.3	528.3	478.3	324.1	129.7	32.7
96°	483.0	513.3	463.0	312.4	121.8	31.9
97°	467.7	498.2	448.1	301.3	113.8	31.3
98°	452.1	482.8	434.2	289.6	106.4	30.5
99°	436.3	469.8	420.3	277.5	99.8	30.1
100°	422.0	455.3	405.5	266.4	93.7	29.7
101°	407.5	441.0	391.2	255.1	87.6	29.2
102°	392.2	428.2	377.1	244.5	81.8	28.8
103°	379.3	414.7	363.2	234.0	76.9	28.4
104°	364.2	401.2	350.4	223.3	71.7	27.8
105°	351.1	388.7	338.5	213.3	66.8	27.2
106°	337.2	376.1	327.2	203.2	62.5	26.6
107°	323.8	363.0	315.6	193.7	58.4	26.0
108°	310.8	350.0	302.8	184.2	54.3	25.4
109°	298.7	336.9	290.5	175.4	50.3	25.0
110°	286.2	323.3	278.8	166.8	46.4	24.6
111°	274.4	310.6	266.9	158.1	42.9	24.2
112°	262.8	298.0	255.5	149.8	39.6	23.6
113°	251.8	285.7	244.0	141.8	36.4	23.6
114°	240.5	273.9	233.1	134.0	33.4	23.0
115°	229.6	262.7	222.8	126.8	30.7	22.6
116°	219.0	251.0	212.5	119.3	28.1	22.2
117°	208.8	239.4	202.0	112.2	26.1	21.8
118°	197.9	228.6	191.7	105.4	24.9	21.2
119°	188.3	217.7	182.3	98.8	24.9	20.8
120°	178.8	207.6	172.7	92.3	24.3	20.4
121°	168.7	196.9	163.8	85.9	23.7	19.8
122°	160.0	187.0	154.8	80.0	23.3	19.2
123°	150.6	177.1	145.7	73.7	22.9	18.6
124°	141.9	167.5	137.1	68.0	22.5	17.7
125°	133.4	158.3	129.0	62.9	22.0	17.5
126°	124.6	149.0	120.7	57.1	21.7	16.9
127°	116.9	139.7	112.4	52.0	21.0	16.5
128°	108.4	131.1	104.7	46.9	20.6	16.1
129°	100.7	122.4	96.9	42.1	20.4	15.5
130°	93.0	114.2	89.2	37.2	19.6	15.5
131°	85.4	105.6	82.0	33.4	19.0	14.9
132°	78.4	97.7	74.9	29.0	18.6	14.5
133°	71.0	89.9	68.2	25.2	18.4	13.9
134°	64.6	82.6	62.3	21.8	17.6	13.7

TEST NUMBER: P600970

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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	57.8	75.0	55.8	19.2	17.2	13.3
136°	51.5	67.9	49.9	18.4	17.0	13.1
137°	45.5	61.6	44.0	17.6	16.2	12.5
138°	39.5	55.3	38.7	17.2	15.8	12.3
139°	33.7	48.8	33.5	16.8	15.4	12.1
140°	28.2	42.7	28.5	16.2	14.8	11.9
141°	23.2	37.1	23.7	16.0	14.4	11.3
142°	18.3	31.6	19.7	15.4	14.0	11.2
143°	14.2	26.3	16.7	15.0	13.6	11.0
144°	12.2	21.4	16.1	14.6	13.4	10.8
145°	11.8	17.5	15.5	14.0	12.8	10.7
146°	11.6	15.5	15.1	13.8	12.7	10.5
147°	11.4	14.9	15.1	13.2	11.9	10.3
148°	10.6	14.7	14.7	12.8	12.1	10.1
149°	10.2	14.5	14.5	12.4	11.7	9.7
150°	10.0	14.1	14.0	12.2	11.3	9.7
151°	9.8	13.7	13.7	11.8	11.3	9.5
152°	9.0	13.5	13.0	11.6	10.7	9.3
153°	9.2	12.9	12.8	11.4	10.7	9.1
154°	8.8	12.9	12.8	11.4	10.7	9.1
155°	8.7	12.3	12.3	11.4	10.7	9.1
156°	8.6	12.1	12.2	11.4	10.7	9.0
157°	8.5	11.9	11.8	11.4	10.7	9.0
158°	8.4	11.7	11.6	11.5	10.8	9.0
159°	8.3	11.5	11.4	11.5	10.8	9.1
160°	8.2	11.3	11.6	11.5	10.8	9.3
161°	8.4	11.3	11.4	11.5	10.8	9.4
162°	8.6	11.1	11.0	11.5	10.8	9.6
163°	9.0	11.0	11.0	11.5	10.9	9.7
164°	9.4	10.9	10.9	11.5	11.5	9.9
165°	9.8	10.8	10.8	11.5	11.7	10.1
166°	9.8	10.7	10.8	11.5	12.1	10.7
167°	10.0	10.5	10.7	11.6	11.9	11.7
168°	10.6	10.3	10.6	11.6	12.1	11.9
169°	10.4	10.2	10.6	11.6	12.3	12.1
170°	10.8	10.1	10.5	11.6	12.5	11.9
171°	10.8	9.9	10.5	11.6	12.8	12.3
172°	10.9	9.8	10.4	11.7	13.0	12.3
173°	10.9	9.7	10.4	11.7	13.2	12.2
174°	11.0	9.6	10.4	11.7	13.6	12.2
175°	11.1	9.5	10.3	11.8	13.6	12.2
176°	11.1	9.4	10.3	11.8	13.6	12.1
177°	11.2	9.2	10.2	12.0	14.0	12.1
178°	11.2	9.2	10.2	12.2	13.8	12.3
179°	11.2	9.2	10.2	12.4	13.8	12.3



TEST NUMBER: P600970
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 4000K 277V

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)