

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: P600963

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

Issue Date: 1/11/2023

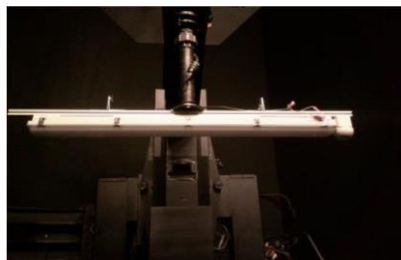
Test Information

Test Method: LM-79-2019
Report Number: P600963
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 HI POWER 3500K 277V
Description: HI POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

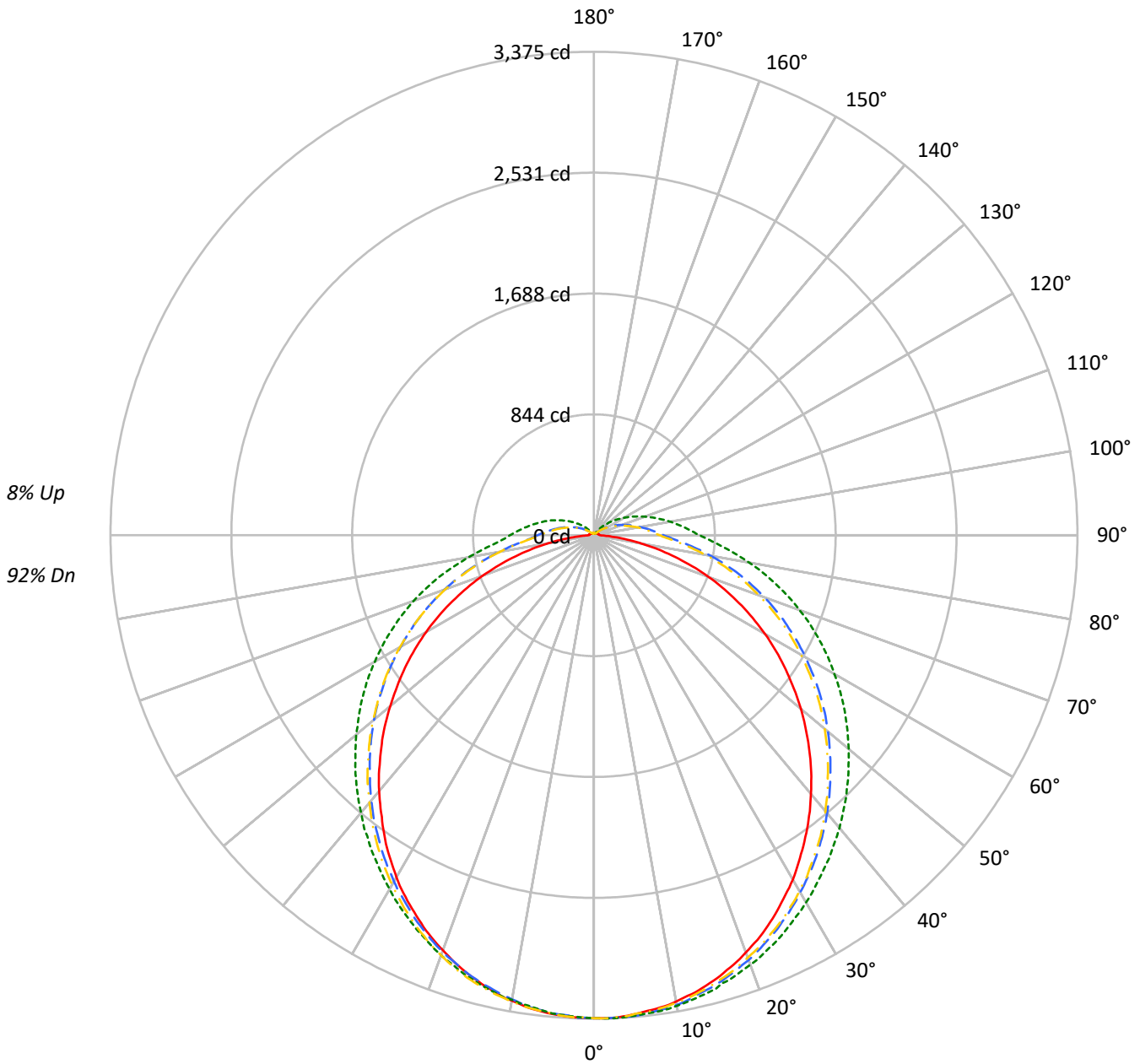
Lumens per Lamp: N/A
Luminaire Lumens: 11479.6 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 91.9
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



TEST NUMBER: P600963
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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	92
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	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	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	42	36	31	40	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	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°	13607	13607	13607	13607
5°	13581	13344	13576	13287
10°	13519	13094	13498	12929
15°	13419	12842	13368	12614
20°	13264	12565	13191	12287
25°	13085	12320	12997	11948
30°	12864	12059	12773	11621
35°	12585	11814	12477	11317
40°	12311	11613	12188	11015
45°	12014	11405	11853	10755
50°	11693	11232	11519	10479
55°	11339	11077	11164	10225
60°	10939	10926	10733	9951
65°	10432	10808	10183	9661
70°	9770	10673	9499	9372
75°	8827	10602	8486	8989
80°	7517	10591	7111	8560
85°	5922	10792	5355	8409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 16701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.8	2.8
10°-20°	911.5	7.9
20°-30°	1379.0	12.0
30°-40°	1666.4	14.5
40°-50°	1754.0	15.3
50°-60°	1647.8	14.4
60°-70°	1374.5	12.0
70°-80°	981.3	8.5
80°-90°	578.3	5.0
90°-100°	361.7	3.2
100°-110°	238.5	2.1
110°-120°	141.7	1.2
120°-130°	73.4	0.6
130°-140°	29.8	0.3
140°-150°	10.9	0.1
150°-160°	6.4	0.1
160°-170°	4.0	0.0
170°-180°	1.5	0.0
0°-30°	2609.4	22.7
0°-40°	4275.8	37.2
0°-60°	7677.7	66.9
0°-90°	10611.7	92.4
90°-120°	741.9	6.5
90°-150°	856.0	7.5
90°-180°	868.0	7.6
0°-180°	11479.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3371	3371	3371	3371	3371	
5°	3355	3365	3354	3351	3355	319
15°	3220	3279	3208	3221	3220	908
25°	2952	3089	2932	2995	2952	1359
35°	2573	2817	2550	2699	2573	1610
45°	2126	2498	2098	2355	2126	1640
55°	1635	2136	1610	1972	1635	1461
65°	1117	1738	1090	1554	1117	1104
75°	588	1314	565	1114	588	623
85°	143	899	129	700	143	159
90°	43	738	39	586	43	27
95°	37	633	34	504	37	30
105°	31	458	30	368	31	33
115°	26	308	26	245	26	26
125°	21	188	21	143	21	19
135°	17	93	14	63	17	13
145°	14	24	12	18	14	9
155°	13	13	12	14	13	6
165°	14	13	15	13	14	4
175°	16	13	19	12	16	2
180°	16	16	16	16	16	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
1°	3372.2	3370.2	3375.2	3371.8	3373.4	3368.0	3374.0	3368.0	3369.8	3372.2	3368.8
2°	3372.2	3370.0	3372.4	3372.0	3375.2	3369.2	3371.6	3366.6	3368.6	3372.8	3371.4
3°	3368.8	3369.6	3371.4	3373.2	3373.0	3367.6	3364.4	3366.6	3365.8	3369.6	3356.8
4°	3362.2	3363.0	3370.8	3366.0	3370.6	3360.0	3364.6	3362.8	3360.0	3360.8	3354.6
5°	3354.8	3360.4	3368.0	3366.8	3365.2	3360.4	3352.8	3359.0	3353.6	3348.6	3348.2
6°	3345.2	3351.8	3361.0	3362.0	3359.4	3353.8	3351.6	3350.8	3347.4	3339.2	3339.0
7°	3337.6	3343.0	3353.6	3349.2	3356.4	3343.6	3344.4	3341.4	3338.8	3331.2	3331.2
8°	3329.4	3337.0	3346.8	3347.4	3352.6	3340.0	3335.4	3326.0	3328.8	3321.0	3321.6
9°	3321.2	3324.4	3338.6	3342.0	3347.0	3332.4	3326.4	3316.6	3313.4	3310.6	3305.4
10°	3304.4	3311.8	3329.6	3331.6	3335.4	3317.6	3313.0	3303.4	3299.2	3295.6	3289.2
11°	3288.2	3297.8	3317.6	3321.4	3326.0	3307.8	3302.8	3291.2	3288.2	3278.2	3275.8
12°	3275.4	3283.0	3301.2	3310.8	3315.0	3297.2	3289.8	3274.0	3268.6	3260.4	3258.8
13°	3259.4	3266.2	3282.4	3299.8	3302.4	3283.6	3272.0	3256.6	3246.8	3243.0	3240.0
14°	3239.0	3251.8	3270.0	3284.2	3290.8	3272.0	3259.8	3240.0	3229.4	3217.8	3225.0
15°	3220.2	3234.6	3254.2	3269.0	3279.0	3258.6	3240.8	3221.6	3207.8	3196.8	3204.8
16°	3200.2	3215.6	3236.4	3255.4	3253.6	3245.2	3222.2	3195.0	3187.0	3173.0	3185.4
17°	3173.4	3190.4	3216.8	3235.2	3243.2	3223.8	3205.0	3176.0	3162.6	3152.0	3163.2
18°	3153.2	3167.6	3196.0	3222.2	3225.8	3208.2	3187.8	3152.2	3139.0	3128.8	3137.2
19°	3128.2	3145.8	3174.2	3203.6	3207.4	3191.2	3159.2	3122.4	3110.2	3105.0	3116.6
20°	3099.6	3119.8	3156.2	3185.6	3191.2	3173.2	3138.6	3099.2	3082.4	3073.2	3094.2
21°	3071.8	3099.8	3133.8	3161.4	3176.4	3148.8	3116.0	3077.8	3057.2	3045.8	3068.2
22°	3046.8	3072.2	3107.0	3139.4	3153.6	3125.6	3095.0	3048.6	3027.8	3016.4	3040.0
23°	3016.2	3041.8	3080.6	3122.2	3131.0	3112.2	3069.2	3021.4	2999.8	2988.4	3010.8
24°	2985.0	3010.0	3057.4	3097.8	3111.8	3086.4	3041.8	2993.8	2965.2	2957.8	2984.0
25°	2952.2	2979.4	3031.4	3073.4	3088.6	3064.6	3017.0	2959.4	2932.4	2930.8	2954.2
26°	2917.3	2947.6	3001.2	3051.6	3062.4	3035.2	2991.0	2932.4	2898.5	2896.3	2920.7
27°	2880.1	2918.3	2975.4	3023.2	3037.0	3011.2	2962.4	2898.5	2865.1	2863.1	2888.5
28°	2845.7	2885.9	2943.4	2998.4	3011.2	2985.0	2930.2	2864.1	2830.5	2827.3	2855.5
29°	2811.5	2853.1	2912.7	2965.8	2988.0	2958.6	2902.9	2827.1	2796.1	2792.7	2826.3
30°	2776.5	2816.9	2880.1	2940.0	2960.6	2929.3	2868.9	2786.3	2756.9	2753.9	2791.7
31°	2736.3	2780.9	2848.3	2911.5	2934.4	2901.5	2836.5	2755.5	2715.5	2720.5	2753.9
32°	2694.9	2744.5	2815.3	2885.3	2903.9	2868.3	2807.7	2720.1	2676.1	2679.3	2721.3
33°	2654.9	2705.9	2783.3	2855.7	2874.7	2839.1	2767.5	2679.9	2636.9	2642.7	2685.7
34°	2615.5	2668.3	2750.7	2825.3	2846.5	2811.7	2732.1	2640.3	2597.5	2601.1	2649.3
35°	2572.7	2630.1	2715.1	2792.7	2817.1	2780.5	2698.7	2602.3	2550.5	2556.9	2611.9
36°	2532.1	2587.9	2680.1	2760.9	2790.5	2746.3	2663.1	2563.1	2507.5	2517.9	2572.9
37°	2488.9	2548.9	2643.9	2729.7	2757.5	2714.9	2628.7	2522.7	2461.3	2476.3	2535.7
38°	2447.3	2510.3	2606.5	2695.7	2726.9	2681.3	2588.1	2477.7	2419.3	2437.1	2498.9
39°	2400.9	2469.9	2571.1	2664.1	2697.9	2648.9	2550.5	2437.5	2375.7	2393.3	2457.9
40°	2356.9	2428.7	2532.1	2630.3	2666.3	2614.3	2513.9	2396.7	2333.3	2350.1	2417.9
41°	2311.7	2387.1	2493.9	2597.1	2633.7	2582.1	2472.1	2355.5	2288.7	2307.3	2378.3
42°	2268.3	2339.3	2454.9	2562.9	2599.1	2546.5	2434.5	2309.1	2242.3	2263.1	2337.3
43°	2221.9	2297.9	2414.7	2528.3	2567.9	2512.7	2393.7	2264.9	2193.9	2215.3	2291.7
44°	2174.3	2255.1	2374.7	2493.1	2535.5	2478.1	2349.5	2220.5	2147.5	2171.7	2253.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2126.5	2209.9	2333.3	2458.3	2497.5	2438.7	2310.3	2173.1	2098.1	2128.5	2212.7
46°	2079.1	2164.1	2294.5	2422.7	2464.7	2405.5	2268.1	2129.3	2055.1	2082.5	2171.7
47°	2029.5	2119.1	2254.7	2387.3	2430.7	2370.1	2225.3	2079.9	2006.7	2034.1	2128.7
48°	1983.5	2074.1	2212.9	2350.9	2391.5	2330.7	2187.1	2034.5	1957.6	1985.5	2089.3
49°	1934.9	2025.3	2175.5	2312.3	2356.5	2291.9	2145.7	1991.0	1907.3	1938.8	2044.9
50°	1885.2	1981.4	2132.1	2275.9	2321.5	2255.5	2103.1	1940.7	1857.1	1893.0	2004.7
51°	1835.7	1934.6	2090.7	2239.3	2284.5	2215.5	2060.3	1894.5	1805.7	1846.2	1961.0
52°	1785.0	1886.1	2050.5	2202.5	2247.7	2178.1	2017.1	1846.7	1753.7	1796.4	1916.9
53°	1734.7	1838.4	2008.7	2167.1	2211.7	2138.5	1975.9	1799.5	1707.6	1749.4	1873.0
54°	1684.5	1789.3	1966.6	2123.5	2173.1	2102.1	1933.6	1753.6	1658.4	1700.9	1825.4
55°	1635.2	1740.9	1923.4	2086.5	2136.1	2060.7	1888.2	1702.6	1610.0	1651.9	1785.3
56°	1584.4	1692.6	1879.7	2046.9	2097.5	2020.1	1843.5	1653.5	1559.2	1600.0	1738.8
57°	1533.3	1646.9	1837.2	2006.9	2058.3	1980.5	1800.6	1605.4	1507.3	1549.9	1694.6
58°	1481.5	1598.6	1791.4	1963.9	2019.7	1941.3	1754.1	1556.5	1457.7	1500.8	1651.0
59°	1430.2	1551.1	1748.1	1922.6	1980.6	1900.8	1714.6	1508.7	1404.0	1453.0	1604.1
60°	1379.5	1502.9	1705.3	1881.2	1939.4	1859.0	1668.8	1458.6	1353.5	1406.3	1557.3
61°	1327.7	1452.8	1662.6	1840.8	1900.4	1815.9	1627.1	1410.4	1301.8	1357.2	1515.3
62°	1274.6	1405.6	1618.8	1801.2	1861.3	1773.5	1581.8	1362.0	1248.5	1310.3	1469.1
63°	1222.1	1355.9	1574.5	1757.7	1821.7	1731.8	1537.0	1312.5	1196.1	1259.6	1425.3
64°	1168.7	1307.6	1529.9	1717.5	1780.2	1690.9	1494.6	1265.5	1143.1	1208.7	1380.3
65°	1116.6	1257.6	1486.2	1674.1	1738.2	1645.1	1448.4	1216.3	1090.0	1161.1	1333.3
66°	1063.0	1210.7	1445.8	1633.1	1697.8	1606.0	1405.1	1167.2	1034.7	1113.0	1289.1
67°	1010.6	1162.5	1398.9	1592.2	1656.3	1564.6	1359.9	1119.4	983.8	1064.3	1244.8
68°	957.9	1112.7	1355.0	1545.1	1615.7	1520.9	1314.7	1072.0	931.4	1012.6	1198.0
69°	905.3	1064.7	1310.8	1506.3	1571.9	1478.7	1270.1	1020.7	879.3	966.7	1152.0
70°	851.5	1017.4	1264.1	1459.3	1525.5	1436.6	1226.4	974.6	827.9	918.8	1108.8
71°	798.4	967.4	1221.2	1415.6	1486.9	1394.0	1180.3	926.0	772.5	870.0	1062.7
72°	745.8	921.5	1176.7	1372.2	1444.3	1350.5	1136.2	879.5	720.9	823.1	1019.4
73°	692.7	872.4	1134.3	1326.0	1401.2	1306.9	1093.7	831.5	668.7	774.7	974.5
74°	639.3	827.4	1089.9	1283.9	1356.9	1264.3	1047.0	785.7	617.1	728.5	931.6
75°	588.0	780.9	1047.0	1237.6	1314.1	1221.7	1003.8	738.8	565.3	683.6	885.8
76°	537.4	735.5	1003.1	1195.6	1269.5	1177.9	958.7	691.5	515.6	637.3	841.9
77°	486.4	691.1	956.3	1152.2	1228.9	1137.2	918.3	647.3	465.7	594.0	799.2
78°	437.2	646.5	915.1	1107.8	1187.3	1091.2	872.0	602.7	418.3	550.9	756.3
79°	390.0	604.0	873.4	1067.8	1143.3	1051.3	832.4	559.8	370.8	508.3	715.9
80°	342.5	561.7	829.7	1025.8	1101.6	1006.5	788.9	518.0	324.0	468.5	675.1
81°	298.9	522.0	786.4	984.3	1057.8	966.3	748.6	476.1	280.0	429.0	636.1
82°	256.5	481.1	746.9	943.9	1016.8	927.6	708.4	436.6	236.9	391.6	598.2
83°	215.7	441.7	706.6	901.8	975.4	888.7	671.2	399.4	197.8	356.7	563.1
84°	178.6	405.3	665.7	861.9	937.9	848.8	632.9	364.1	161.9	322.7	528.9
85°	143.1	370.1	630.5	822.6	898.9	812.7	598.3	329.6	129.4	292.1	498.2
86°	111.9	335.4	595.9	787.0	862.8	777.8	566.4	297.6	100.1	263.4	469.1
87°	85.8	304.4	563.2	750.7	826.7	743.2	532.8	268.3	75.1	237.4	443.9
88°	65.7	277.6	534.9	718.0	796.4	712.1	504.5	242.8	57.6	219.0	423.9
89°	50.0	255.6	508.4	688.5	764.7	681.2	477.6	222.6	45.3	203.0	408.3



TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	43.1	237.1	485.1	661.9	737.9	657.5	458.5	205.8	39.2	191.7	393.4
91°	40.7	221.6	465.5	639.4	712.5	633.2	438.8	192.4	38.0	180.5	378.8
92°	39.7	209.8	448.2	619.7	691.6	615.2	422.6	182.2	36.6	170.4	365.7
93°	38.7	197.9	432.0	600.6	672.2	595.1	406.8	171.4	35.7	160.4	352.2
94°	37.8	186.8	416.2	583.3	651.7	577.8	393.7	161.6	35.0	150.7	338.3
95°	37.1	176.0	401.7	566.3	633.3	559.9	378.9	151.2	33.8	142.4	324.5
96°	36.1	166.4	386.9	549.1	614.0	543.4	366.2	142.1	33.3	133.7	311.9
97°	35.5	157.0	371.3	532.9	595.6	525.7	351.2	133.5	32.6	125.6	299.2
98°	34.7	147.8	356.5	516.5	577.6	508.5	337.9	124.9	31.9	117.9	288.7
99°	34.5	139.4	343.0	500.1	559.8	491.2	324.0	116.8	31.0	110.4	276.4
100°	34.1	131.3	329.4	484.4	542.1	474.4	311.9	110.1	30.7	103.0	265.2
101°	33.6	123.7	315.5	467.6	524.9	460.3	299.0	103.3	30.5	97.2	254.7
102°	32.9	116.8	303.5	451.4	507.2	444.0	284.9	96.5	30.0	90.6	243.6
103°	32.4	110.0	290.1	435.9	490.6	429.3	273.1	90.0	30.0	84.6	232.9
104°	31.9	103.5	278.3	419.9	473.1	414.5	260.8	84.0	30.0	79.6	223.3
105°	31.4	97.1	267.1	405.5	457.8	399.7	249.3	78.0	29.8	73.9	212.1
106°	31.0	91.2	255.3	390.4	441.4	384.0	237.4	72.6	29.5	68.6	203.0
107°	30.5	85.4	243.7	374.8	425.4	368.7	227.6	67.9	28.4	63.2	193.0
108°	30.2	79.7	233.7	360.3	409.5	353.6	215.5	62.9	28.3	58.9	183.4
109°	29.5	74.4	223.3	346.7	395.1	340.5	207.2	58.3	28.3	54.8	174.7
110°	28.9	69.0	212.4	332.7	379.2	325.9	196.1	53.9	27.9	50.3	165.4
111°	28.3	64.5	202.4	318.4	365.1	313.7	187.1	49.7	27.4	46.4	157.1
112°	28.1	59.8	192.3	305.4	349.9	300.8	176.6	45.4	27.0	42.2	149.4
113°	27.7	55.6	182.1	292.6	336.0	287.8	167.0	41.8	27.2	38.6	140.8
114°	27.0	51.4	173.3	279.7	322.7	274.8	158.7	37.7	26.3	35.6	133.1
115°	26.5	47.3	164.5	267.2	308.5	262.2	149.9	34.6	25.8	32.1	125.0
116°	26.2	43.3	155.2	255.7	295.7	249.4	141.7	31.5	25.3	29.2	117.2
117°	25.8	39.8	147.1	243.2	281.8	238.0	134.1	28.6	24.8	26.7	110.5
118°	25.3	36.8	138.5	232.2	269.9	227.1	125.4	26.4	24.4	24.6	102.4
119°	24.8	33.6	130.3	221.0	257.1	215.4	118.1	24.8	24.1	24.4	96.2
120°	24.4	30.7	122.7	209.5	244.9	204.5	110.0	24.5	23.9	23.4	89.1
121°	23.9	28.8	115.6	199.2	233.2	193.0	102.4	24.5	23.1	22.7	82.3
122°	23.4	27.9	107.9	188.9	222.4	183.7	95.8	23.3	22.5	22.2	76.2
123°	22.4	27.6	100.4	178.5	209.4	173.1	87.9	23.1	22.4	22.2	69.3
124°	21.7	27.4	93.2	168.4	199.2	162.6	81.9	22.4	21.8	21.7	63.6
125°	21.3	26.5	86.7	158.8	187.8	153.9	74.8	21.9	21.1	21.5	57.8
126°	20.8	26.0	79.8	149.4	177.6	143.8	68.8	21.9	20.5	20.8	52.4
127°	20.5	25.5	73.4	140.0	166.9	134.6	62.6	21.5	19.4	20.3	47.7
128°	20.1	24.8	67.1	131.1	157.5	126.3	56.5	20.9	18.7	19.8	41.8
129°	19.8	24.3	60.7	122.0	147.0	116.9	51.7	20.3	17.7	19.4	37.0
130°	19.2	24.1	55.3	113.6	137.8	108.9	46.2	19.5	17.2	18.9	32.4
131°	18.9	23.4	49.7	105.1	127.8	100.1	40.9	19.1	16.6	18.7	27.8
132°	18.4	22.9	44.4	97.1	119.7	92.3	36.0	19.0	16.1	18.2	24.1
133°	17.9	22.0	39.6	89.0	109.9	84.6	31.3	18.8	15.9	17.5	19.8
134°	17.7	21.8	34.8	81.2	101.7	76.9	27.1	18.3	14.7	17.3	17.4



TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	17.2	21.0	30.2	73.8	93.0	69.8	23.4	17.4	14.2	16.6	16.4
136°	16.8	21.0	26.1	66.5	84.3	62.7	19.7	17.2	14.0	16.3	16.0
137°	16.6	20.5	23.0	59.7	76.6	56.3	18.5	16.7	13.9	15.9	15.6
138°	16.3	20.1	21.8	53.8	68.5	50.2	17.6	16.4	13.3	15.8	14.8
139°	16.1	19.4	21.2	47.6	61.4	44.1	16.7	16.0	13.3	15.6	14.3
140°	15.6	19.2	20.7	41.6	54.7	38.3	16.4	15.9	13.2	14.7	13.6
141°	15.4	18.5	20.2	35.9	47.7	33.1	16.0	15.2	12.8	14.4	13.4
142°	15.3	18.4	20.0	30.7	41.1	27.8	15.7	14.7	12.1	14.0	13.2
143°	14.9	18.0	19.3	25.5	35.1	23.2	14.8	14.3	11.8	13.9	12.3
144°	14.6	17.5	19.0	21.7	29.0	19.4	14.6	13.8	11.8	13.8	11.7
145°	14.3	17.0	18.5	20.1	23.7	17.1	14.1	13.6	11.7	13.7	11.5
146°	14.0	16.6	18.1	19.5	18.9	16.5	13.9	13.3	11.7	13.6	11.3
147°	13.7	15.9	17.6	19.0	16.8	16.3	13.8	13.3	11.7	13.5	11.4
148°	13.5	15.8	17.4	19.0	16.5	16.5	13.7	13.1	11.7	13.4	11.4
149°	13.2	15.5	16.7	18.5	15.9	16.1	13.7	13.1	11.6	13.3	11.5
150°	13.2	15.3	16.4	18.3	15.6	15.9	13.6	13.2	11.6	13.2	11.6
151°	12.8	15.0	16.2	17.8	15.1	15.2	13.5	13.2	11.6	13.2	11.7
152°	12.8	14.8	16.2	17.4	14.5	14.9	13.5	13.2	11.6	13.2	11.7
153°	12.8	14.6	15.8	17.3	14.0	14.5	13.4	13.2	11.6	13.2	11.8
154°	12.8	14.5	15.8	17.1	13.7	14.4	13.4	13.3	11.5	13.2	11.9
155°	12.7	14.5	15.8	16.6	13.3	13.7	12.9	13.3	11.5	13.2	11.9
156°	12.7	14.4	15.8	16.6	13.3	13.5	12.9	13.3	11.5	13.2	12.0
157°	12.7	14.4	15.8	16.2	13.3	13.5	13.0	13.4	11.7	13.2	12.1
158°	12.7	14.3	15.7	16.2	13.3	13.4	13.0	13.4	11.9	13.2	12.1
159°	12.7	14.3	15.7	15.9	13.2	13.4	13.0	13.4	12.1	13.3	12.2
160°	12.7	14.3	15.7	15.9	13.2	13.4	13.1	13.4	12.3	13.5	12.3
161°	13.3	14.2	15.7	15.7	13.2	13.3	13.3	13.5	12.5	13.7	12.4
162°	13.3	14.2	15.7	15.5	13.2	13.3	13.6	14.2	13.4	14.4	13.2
163°	13.5	14.6	15.7	15.4	13.1	13.3	13.6	14.8	14.2	14.7	13.9
164°	13.9	14.4	15.6	15.0	13.1	13.2	13.6	15.2	14.6	14.9	14.3
165°	14.4	14.4	15.6	15.2	13.1	13.2	13.6	15.3	15.1	15.2	14.8
166°	14.7	14.9	15.6	14.8	13.1	13.1	13.7	15.4	15.8	15.4	15.3
167°	15.1	15.4	15.6	14.7	13.0	13.1	13.7	15.5	16.5	15.8	16.0
168°	15.4	15.6	15.6	14.7	13.0	13.1	13.7	15.6	16.8	16.1	16.7
169°	15.8	15.7	15.5	14.6	13.0	13.0	13.7	15.7	17.2	16.3	17.4
170°	15.9	15.9	15.5	14.5	13.0	13.0	13.7	15.8	17.7	16.3	17.9
171°	16.0	16.0	15.5	14.4	12.9	13.0	13.7	15.9	17.9	16.3	18.6
172°	16.0	16.2	15.5	14.3	12.9	12.9	13.7	15.9	18.2	16.2	19.0
173°	16.0	16.3	15.5	13.6	12.9	12.9	13.7	16.2	18.4	16.2	18.8
174°	16.0	16.3	15.4	13.3	12.9	12.9	13.7	16.6	18.5	16.2	18.8
175°	16.1	16.6	15.4	13.3	12.8	12.8	13.8	16.4	18.7	16.2	19.0
176°	16.1	17.0	15.4	13.3	12.8	12.8	13.8	16.4	18.9	16.1	18.5
177°	16.1	17.2	15.3	13.1	12.8	12.6	13.8	16.4	19.1	16.1	17.9
178°	16.1	17.0	15.3	13.1	13.0	13.0	13.8	16.4	19.1	16.1	17.8
179°	16.1	17.2	15.3	13.1	13.5	12.8	13.8	16.4	19.1	16.1	17.6



TEST NUMBER: P600963
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1



TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
1°	3372.0	3369.0	3369.4	3365.0	3371.6	3372.2
2°	3364.2	3363.8	3364.8	3370.4	3371.6	3372.2
3°	3361.6	3360.8	3359.8	3365.6	3368.0	3368.8
4°	3355.8	3355.4	3353.0	3361.4	3359.6	3362.2
5°	3348.2	3351.0	3347.6	3350.2	3351.2	3354.8
6°	3339.6	3338.4	3344.6	3343.6	3347.2	3345.2
7°	3329.0	3326.8	3332.0	3336.8	3338.0	3337.6
8°	3321.6	3315.6	3322.6	3328.6	3327.6	3329.4
9°	3308.4	3308.2	3310.2	3317.4	3313.4	3321.2
10°	3298.4	3293.4	3298.6	3305.8	3298.0	3304.4
11°	3278.8	3287.0	3289.0	3291.2	3282.0	3288.2
12°	3269.6	3271.2	3273.0	3279.2	3268.6	3275.4
13°	3248.2	3255.2	3260.2	3263.4	3250.4	3259.4
14°	3230.0	3238.6	3244.4	3246.4	3232.0	3239.0
15°	3219.6	3220.6	3229.0	3231.4	3209.0	3220.2
16°	3197.6	3204.2	3209.0	3212.8	3187.6	3200.2
17°	3179.4	3183.2	3190.8	3193.2	3163.4	3173.4
18°	3156.4	3159.2	3173.4	3169.0	3138.8	3153.2
19°	3136.6	3140.6	3154.8	3146.4	3113.4	3128.2
20°	3111.8	3120.8	3127.2	3120.0	3090.0	3099.6
21°	3088.0	3097.6	3104.2	3094.8	3060.8	3071.8
22°	3064.2	3072.4	3077.8	3070.4	3030.6	3046.8
23°	3037.6	3045.4	3049.0	3038.0	2999.4	3016.2
24°	3014.4	3021.8	3024.8	3011.8	2966.8	2985.0
25°	2985.6	2995.4	3001.0	2981.2	2934.4	2952.2
26°	2954.6	2967.8	2971.0	2948.6	2902.3	2917.3
27°	2926.1	2941.8	2941.6	2919.9	2868.7	2880.1
28°	2899.3	2913.9	2915.1	2883.1	2836.5	2845.7
29°	2872.1	2884.5	2882.5	2852.1	2801.5	2811.5
30°	2837.5	2853.1	2850.3	2818.3	2765.3	2776.5
31°	2806.9	2822.9	2817.7	2782.7	2729.5	2736.3
32°	2777.1	2791.9	2784.5	2748.9	2692.7	2694.9
33°	2743.9	2760.5	2752.9	2714.5	2654.7	2654.9
34°	2710.7	2728.5	2720.3	2673.1	2614.1	2615.5
35°	2679.7	2698.7	2687.1	2638.5	2572.7	2572.7
36°	2641.9	2665.7	2651.9	2598.1	2530.9	2532.1
37°	2609.5	2629.7	2618.9	2559.3	2488.9	2488.9
38°	2569.9	2603.1	2583.9	2521.9	2446.7	2447.3
39°	2538.1	2564.7	2548.5	2478.3	2404.5	2400.9
40°	2499.9	2528.9	2514.5	2437.1	2361.3	2356.9
41°	2466.9	2495.9	2480.1	2396.7	2316.3	2311.7
42°	2432.9	2460.1	2445.5	2357.9	2270.1	2268.3
43°	2391.7	2426.3	2400.5	2318.1	2225.9	2221.9
44°	2356.1	2387.9	2366.7	2274.3	2180.5	2174.3

TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2319.5	2355.1	2328.7	2230.1	2133.3	2126.5
46°	2279.1	2316.1	2290.7	2185.9	2087.1	2079.1
47°	2242.3	2277.3	2249.9	2145.3	2038.5	2029.5
48°	2203.3	2239.5	2208.9	2103.1	1991.2	1983.5
49°	2163.3	2204.5	2172.5	2059.1	1944.9	1934.9
50°	2123.9	2165.9	2128.1	2014.5	1898.4	1885.2
51°	2086.3	2123.5	2085.3	1966.7	1848.1	1835.7
52°	2042.5	2087.1	2048.7	1922.4	1798.1	1785.0
53°	2006.1	2050.3	2007.9	1880.8	1752.7	1734.7
54°	1961.9	2010.5	1966.4	1836.0	1703.3	1684.5
55°	1918.9	1971.7	1924.8	1791.5	1653.4	1635.2
56°	1879.8	1931.5	1881.1	1746.4	1605.7	1584.4
57°	1837.9	1892.3	1841.3	1700.2	1556.9	1533.3
58°	1796.3	1851.8	1797.6	1656.7	1507.8	1481.5
59°	1753.0	1808.4	1755.3	1610.8	1456.8	1430.2
60°	1709.6	1766.4	1709.4	1562.7	1409.5	1379.5
61°	1667.3	1724.5	1666.3	1518.4	1359.9	1327.7
62°	1625.0	1683.6	1621.5	1471.6	1310.1	1274.6
63°	1581.3	1642.3	1579.6	1426.0	1260.1	1222.1
64°	1537.2	1598.6	1532.1	1381.6	1210.4	1168.7
65°	1493.2	1553.8	1490.0	1335.2	1161.3	1116.6
66°	1449.4	1511.1	1447.3	1287.9	1113.1	1063.0
67°	1405.6	1469.6	1401.9	1241.9	1062.9	1010.6
68°	1360.6	1423.8	1359.2	1194.7	1014.2	957.9
69°	1317.5	1382.8	1314.6	1148.7	964.3	905.3
70°	1272.3	1339.5	1269.3	1103.4	915.9	851.5
71°	1231.0	1292.4	1225.1	1058.0	867.3	798.4
72°	1186.2	1249.4	1182.1	1013.3	820.3	745.8
73°	1141.9	1203.6	1138.0	967.0	772.7	692.7
74°	1097.5	1160.0	1094.4	921.7	724.2	639.3
75°	1052.2	1114.1	1050.2	877.6	678.5	588.0
76°	1008.5	1068.0	1006.4	833.9	635.1	537.4
77°	966.4	1022.6	963.1	791.1	588.4	486.4
78°	922.7	975.5	921.1	748.8	544.1	437.2
79°	881.5	932.2	879.0	707.1	501.3	390.0
80°	841.9	890.4	838.5	667.3	459.6	342.5
81°	800.9	847.3	796.5	628.3	419.9	298.9
82°	764.2	808.6	757.2	591.8	382.6	256.5
83°	729.4	769.9	719.1	555.6	345.5	215.7
84°	695.9	734.4	683.1	521.1	311.2	178.6
85°	663.5	700.4	650.6	489.1	277.9	143.1
86°	634.5	670.0	620.5	460.5	249.9	111.9
87°	608.1	644.2	594.6	434.5	225.0	85.8
88°	585.9	622.1	572.2	413.3	204.4	65.7
89°	568.3	603.2	554.0	395.3	186.8	50.0

TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	552.5	586.1	536.1	379.3	174.1	43.1
91°	535.9	569.0	518.6	365.0	163.6	40.7
92°	520.4	551.5	503.1	351.6	153.6	39.7
93°	504.4	535.4	487.7	338.2	144.6	38.7
94°	487.6	519.7	471.7	324.0	136.8	37.8
95°	471.7	504.3	456.2	311.0	128.6	37.1
96°	455.4	489.3	441.8	299.7	120.3	36.1
97°	441.1	474.5	427.7	287.7	112.9	35.5
98°	426.3	459.8	413.6	276.6	105.8	34.7
99°	411.2	446.3	400.1	265.2	99.2	34.5
100°	396.7	432.0	385.9	254.6	93.3	34.1
101°	382.7	418.0	371.7	243.4	87.6	33.6
102°	367.9	405.3	358.5	233.5	81.7	32.9
103°	355.5	392.8	346.6	223.0	76.7	32.4
104°	340.1	379.4	334.6	212.9	71.5	31.9
105°	327.9	367.5	323.3	202.7	66.6	31.4
106°	315.9	355.5	310.7	193.4	62.1	31.0
107°	302.8	343.2	297.7	183.7	58.0	30.5
108°	290.1	330.6	285.5	174.6	54.2	30.2
109°	277.1	316.9	273.7	166.2	50.4	29.5
110°	266.1	304.5	262.3	157.6	46.5	28.9
111°	254.4	292.2	250.9	149.1	43.4	28.3
112°	243.4	279.3	240.4	141.3	40.1	28.1
113°	232.8	267.1	229.3	133.6	37.1	27.7
114°	222.5	255.7	218.8	125.9	34.2	27.0
115°	210.6	245.0	208.8	119.1	31.9	26.5
116°	201.7	233.3	198.5	111.7	30.2	26.2
117°	191.4	223.1	188.0	104.7	29.8	25.8
118°	181.7	212.4	178.3	97.8	29.3	25.3
119°	171.7	201.8	168.5	91.3	28.6	24.8
120°	162.0	191.5	159.4	85.1	28.5	24.4
121°	152.8	181.4	150.5	78.2	27.8	23.9
122°	144.1	171.1	141.6	72.7	27.3	23.4
123°	134.8	161.7	133.1	66.6	27.1	22.4
124°	127.0	152.6	124.7	60.8	26.4	21.7
125°	118.1	143.1	116.7	55.6	26.0	21.3
126°	110.1	134.5	108.4	50.6	25.5	20.8
127°	102.6	125.6	100.2	45.5	24.8	20.5
128°	93.7	117.2	92.6	40.7	24.7	20.1
129°	86.6	108.6	84.8	36.5	23.8	19.8
130°	79.2	100.3	77.8	32.1	23.3	19.2
131°	72.0	92.5	70.8	28.1	22.9	18.9
132°	65.0	84.4	64.0	24.7	22.1	18.4
133°	57.9	76.9	58.3	22.7	21.7	17.9
134°	52.5	69.7	52.1	22.0	21.2	17.7



TEST NUMBER: P600963

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	46.2	62.6	45.9	21.3	20.9	17.2
136°	40.0	56.7	40.4	20.9	20.4	16.8
137°	35.0	50.0	35.2	20.8	19.7	16.6
138°	29.1	43.9	30.2	20.1	19.3	16.3
139°	24.3	38.0	25.6	19.4	18.6	16.1
140°	19.6	32.6	21.5	19.0	17.9	15.6
141°	16.0	27.4	19.3	18.7	17.8	15.4
142°	14.8	22.9	18.7	18.3	17.3	15.3
143°	14.8	19.3	18.6	17.8	16.9	14.9
144°	14.3	18.4	18.2	17.3	16.4	14.6
145°	13.8	17.7	17.7	16.6	16.0	14.3
146°	13.8	17.5	17.3	16.2	15.9	14.0
147°	13.6	16.8	17.0	15.7	15.5	13.7
148°	13.4	16.7	16.8	15.3	15.2	13.5
149°	12.9	16.3	16.5	15.2	14.7	13.2
150°	12.4	16.0	16.3	15.0	14.7	13.2
151°	12.0	15.6	15.9	14.5	14.5	12.8
152°	11.7	15.3	15.4	14.3	14.1	12.8
153°	11.0	14.9	15.4	14.1	14.2	12.8
154°	10.8	14.6	15.2	14.3	14.2	12.8
155°	10.6	14.4	15.1	14.3	14.3	12.7
156°	10.7	14.0	14.9	14.3	14.3	12.7
157°	10.7	14.2	14.7	14.3	14.4	12.7
158°	10.7	14.0	14.5	14.3	14.4	12.7
159°	10.8	13.9	14.4	14.3	14.5	12.7
160°	10.8	13.8	14.4	14.3	14.5	12.7
161°	10.8	13.5	14.0	14.3	14.6	13.3
162°	11.5	13.5	13.8	14.3	14.6	13.3
163°	11.9	13.3	14.0	14.3	14.7	13.5
164°	12.0	13.0	13.7	14.3	15.2	13.9
165°	12.4	13.0	13.7	14.3	15.7	14.4
166°	12.7	12.9	13.7	14.4	15.9	14.7
167°	12.9	12.9	13.7	14.4	16.7	15.1
168°	13.2	12.9	13.7	14.5	17.1	15.4
169°	13.4	12.8	13.7	14.5	17.6	15.8
170°	13.6	12.8	13.7	14.6	18.3	15.9
171°	13.8	12.4	13.7	14.6	18.8	16.0
172°	14.3	12.4	13.7	15.0	19.0	16.0
173°	15.0	12.4	13.7	16.2	18.8	16.0
174°	15.5	12.4	13.7	16.2	18.8	16.0
175°	15.4	12.3	13.7	16.4	19.0	16.1
176°	15.4	12.3	14.0	16.6	19.0	16.1
177°	15.4	12.3	13.8	16.6	19.0	16.1
178°	15.4	12.4	13.8	16.6	19.0	16.1
179°	15.4	13.0	13.8	16.6	19.0	16.1



TEST NUMBER: P600963
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	16.1	16.1	16.1	16.1	16.1	16.1

(END OF REPORT)