

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: P600965

Luminaire Tested: 8APVTLD-SL3C3 HI POWER 5000K 277V

Issue Date: 1/11/2023

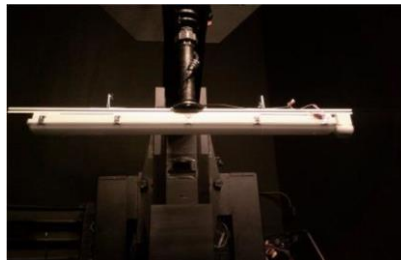
**Test Information**

Test Method: LM-79-2019  
Report Number: P600965  
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: 8APVTLTD-SL3C3 HI POWER 5000K 277V  
Description: HI POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

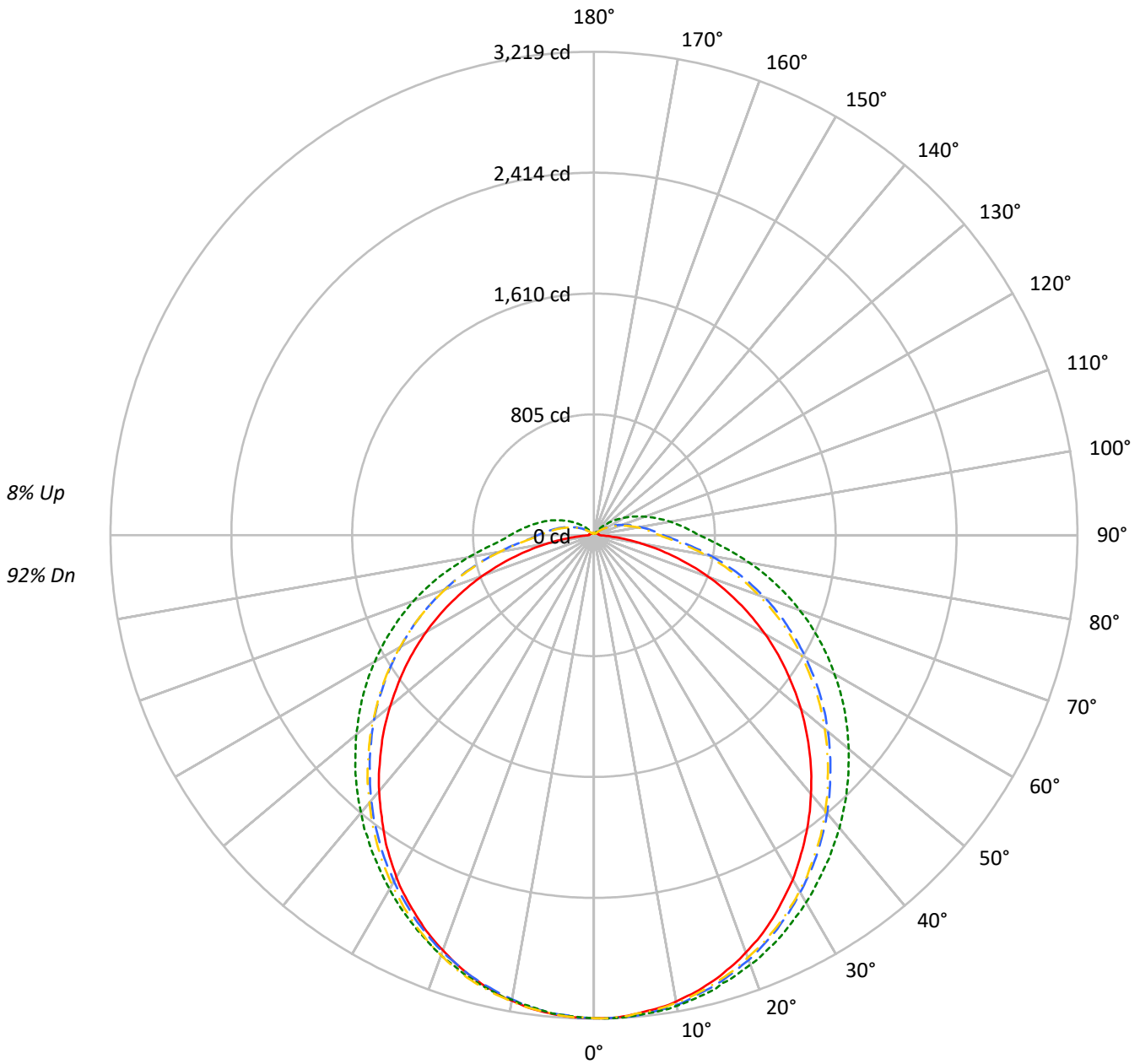
Lumens per Lamp: N/A  
Luminaire Lumens: 10948.7 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 92  
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: P600965  
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 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				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	95
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°	12978	12978	12978	12978
5°	12953	12727	12948	12673
10°	12894	12488	12873	12331
15°	12799	12248	12750	12030
20°	12651	11983	12581	11719
25°	12480	11750	12396	11395
30°	12268	11501	12182	11083
35°	12003	11267	11900	10793
40°	11742	11076	11625	10505
45°	11458	10878	11305	10258
50°	11152	10712	10986	9994
55°	10815	10565	10647	9752
60°	10433	10420	10237	9491
65°	9949	10308	9712	9214
70°	9318	10179	9059	8938
75°	8419	10112	8093	8573
80°	7171	10102	6782	8165
85°	5649	10293	5107	8020

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 15926 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.1	2.8
10°-20°	869.3	7.9
20°-30°	1315.3	12.0
30°-40°	1589.4	14.5
40°-50°	1672.9	15.3
50°-60°	1571.6	14.4
60°-70°	1310.9	12.0
70°-80°	935.9	8.5
80°-90°	551.6	5.0
90°-100°	345.0	3.2
100°-110°	227.5	2.1
110°-120°	135.1	1.2
120°-130°	70.0	0.6
130°-140°	28.4	0.3
140°-150°	10.4	0.1
150°-160°	6.1	0.1
160°-170°	3.8	0.0
170°-180°	1.4	0.0
0°-30°	2488.7	22.7
0°-40°	4078.0	37.2
0°-60°	7322.6	66.9
0°-90°	10120.9	92.4
90°-120°	707.6	6.5
90°-150°	816.4	7.5
90°-180°	828.0	7.6
0°-180°	10948.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3200	3210	3198	3196	3200	304
15°	3071	3127	3060	3072	3071	866
25°	2816	2946	2797	2857	2816	1296
35°	2454	2687	2432	2574	2454	1535
45°	2028	2382	2001	2246	2028	1565
55°	1560	2037	1536	1880	1560	1394
65°	1065	1658	1040	1482	1065	1053
75°	561	1253	539	1063	561	595
85°	136	857	123	668	136	151
90°	41	704	37	559	41	25
95°	35	604	32	481	35	28
105°	30	437	28	350	30	32
115°	25	294	25	234	25	25
125°	20	179	20	136	20	18
135°	16	89	14	60	16	13
145°	14	23	11	17	14	9
155°	12	13	11	14	12	6
165°	14	12	14	12	14	4
175°	15	12	18	12	15	1
180°	15	15	15	15	15	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1
1°	3216.3	3214.4	3219.1	3215.9	3217.4	3212.3	3218.0	3212.3	3214.0	3216.3	3213.0
2°	3216.3	3214.2	3216.5	3216.1	3219.1	3213.4	3215.7	3210.9	3212.8	3216.8	3215.5
3°	3213.0	3213.8	3215.5	3217.2	3217.0	3211.9	3208.8	3210.9	3210.2	3213.8	3201.6
4°	3206.7	3207.5	3214.9	3210.3	3214.7	3204.6	3209.0	3207.3	3204.6	3205.4	3199.5
5°	3199.7	3205.0	3212.3	3211.1	3209.6	3205.0	3197.8	3203.7	3198.5	3193.8	3193.4
6°	3190.5	3196.8	3205.6	3206.5	3204.1	3198.7	3196.6	3195.9	3192.6	3184.8	3184.6
7°	3183.3	3188.4	3198.5	3194.3	3201.2	3189.0	3189.7	3186.9	3184.4	3177.2	3177.2
8°	3175.4	3182.7	3192.0	3192.6	3197.6	3185.6	3181.2	3172.2	3174.9	3167.4	3168.0
9°	3167.6	3170.7	3184.2	3187.5	3192.2	3178.3	3172.6	3163.2	3160.2	3157.5	3152.6
10°	3151.6	3158.7	3175.6	3177.5	3181.2	3164.2	3159.8	3150.6	3146.6	3143.2	3137.1
11°	3136.2	3145.3	3164.2	3167.8	3172.2	3154.8	3150.1	3139.0	3136.2	3126.6	3124.3
12°	3123.9	3131.2	3148.5	3157.7	3161.7	3144.7	3137.7	3122.6	3117.5	3109.6	3108.1
13°	3108.7	3115.2	3130.6	3147.2	3149.7	3131.8	3120.7	3106.0	3096.7	3093.0	3090.2
14°	3089.2	3101.4	3118.8	3132.3	3138.6	3120.7	3109.1	3090.2	3080.1	3069.0	3075.9
15°	3071.3	3085.0	3103.7	3117.8	3127.4	3107.9	3090.9	3072.6	3059.5	3049.0	3056.6
16°	3052.2	3066.9	3086.7	3104.9	3103.2	3095.1	3073.2	3047.3	3039.6	3026.3	3038.1
17°	3026.7	3042.9	3068.1	3085.6	3093.2	3074.7	3056.8	3029.1	3016.4	3006.3	3016.9
18°	3007.4	3021.1	3048.2	3073.2	3076.6	3059.9	3040.4	3006.4	2993.9	2984.1	2992.1
19°	2983.6	3000.3	3027.4	3055.5	3059.1	3043.6	3013.1	2978.0	2966.4	2961.4	2972.5
20°	2956.3	2975.5	3010.3	3038.3	3043.6	3026.5	2993.5	2955.9	2939.9	2931.1	2951.1
21°	2929.8	2956.5	2988.9	3015.2	3029.5	3003.2	2971.9	2935.5	2915.8	2905.0	2926.3
22°	2905.9	2930.2	2963.3	2994.2	3007.8	2981.1	2951.9	2907.6	2887.8	2876.9	2899.4
23°	2876.7	2901.2	2938.2	2977.8	2986.2	2968.3	2927.3	2881.7	2861.1	2850.2	2871.6
24°	2847.0	2870.8	2916.0	2954.6	2967.9	2943.7	2901.2	2855.4	2828.1	2821.0	2846.0
25°	2815.7	2841.6	2891.2	2931.3	2945.8	2922.9	2877.5	2822.6	2796.8	2795.3	2817.6
26°	2782.3	2811.3	2862.4	2910.5	2920.8	2894.9	2852.7	2796.8	2764.4	2762.3	2785.6
27°	2746.8	2783.3	2837.8	2883.4	2896.6	2872.0	2825.4	2764.4	2732.5	2730.6	2754.9
28°	2714.0	2752.4	2807.3	2859.8	2872.0	2847.0	2794.7	2731.6	2699.5	2696.5	2723.4
29°	2681.4	2721.1	2777.9	2828.7	2849.8	2821.8	2768.6	2696.3	2666.7	2663.5	2695.5
30°	2648.0	2686.6	2746.8	2804.1	2823.7	2793.8	2736.2	2657.4	2629.4	2626.5	2662.5
31°	2609.7	2652.2	2716.5	2776.8	2798.7	2767.3	2705.3	2628.0	2589.9	2594.6	2626.5
32°	2570.2	2617.5	2685.0	2751.8	2769.5	2735.6	2677.8	2594.3	2552.3	2555.3	2595.4
33°	2532.1	2580.7	2654.5	2723.6	2741.7	2707.7	2639.5	2555.9	2514.9	2520.4	2561.5
34°	2494.5	2544.9	2623.4	2694.6	2714.8	2681.6	2605.7	2518.2	2477.3	2480.8	2526.7
35°	2453.7	2508.4	2589.5	2663.5	2686.8	2651.9	2573.8	2481.9	2432.5	2438.6	2491.1
36°	2415.0	2468.2	2556.1	2633.2	2661.4	2619.2	2539.9	2444.5	2391.5	2401.4	2453.9
37°	2373.8	2431.0	2521.6	2603.4	2629.9	2589.3	2507.1	2406.0	2347.4	2361.7	2418.4
38°	2334.1	2394.2	2485.9	2571.0	2600.7	2557.3	2468.4	2363.1	2307.4	2324.4	2383.3
39°	2289.8	2355.6	2452.2	2540.9	2573.1	2526.4	2432.5	2324.7	2265.8	2282.6	2344.2
40°	2247.9	2316.3	2415.0	2508.6	2542.9	2493.4	2397.6	2285.8	2225.4	2241.4	2306.0
41°	2204.8	2276.7	2378.5	2477.0	2511.9	2462.6	2357.7	2246.5	2182.8	2200.6	2268.3
42°	2163.4	2231.1	2341.3	2444.3	2478.9	2428.7	2321.9	2202.3	2138.6	2158.4	2229.2
43°	2119.1	2191.6	2303.0	2411.3	2449.1	2396.5	2283.0	2160.1	2092.4	2112.8	2185.7
44°	2073.7	2150.8	2264.8	2377.8	2418.2	2363.5	2240.8	2117.8	2048.2	2071.2	2149.1

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2028.1	2107.7	2225.4	2344.6	2382.0	2325.9	2203.4	2072.6	2001.1	2030.0	2110.3
46°	1982.9	2064.0	2188.4	2310.6	2350.7	2294.2	2163.2	2030.8	1960.0	1986.2	2071.2
47°	1935.6	2021.1	2150.4	2276.9	2318.3	2260.5	2122.4	1983.7	1913.9	1940.0	2030.2
48°	1891.8	1978.2	2110.5	2242.2	2280.9	2222.9	2085.9	1940.4	1867.0	1893.7	1992.7
49°	1845.4	1931.6	2074.9	2205.3	2247.5	2185.9	2046.5	1898.9	1819.1	1849.1	1950.3
50°	1798.0	1889.8	2033.5	2170.6	2214.1	2151.2	2005.8	1850.9	1771.2	1805.5	1912.0
51°	1750.8	1845.1	1994.0	2135.7	2178.8	2113.0	1965.0	1806.9	1722.2	1760.8	1870.3
52°	1702.4	1798.9	1955.7	2100.6	2143.7	2077.4	1923.8	1761.3	1672.6	1713.4	1828.2
53°	1654.4	1753.4	1915.8	2066.9	2109.4	2039.6	1884.5	1716.3	1628.6	1668.5	1786.4
54°	1606.6	1706.6	1875.6	2025.3	2072.6	2004.9	1844.2	1672.5	1581.7	1622.2	1741.0
55°	1559.6	1660.4	1834.4	1990.0	2037.3	1965.4	1800.8	1623.9	1535.5	1575.5	1702.7
56°	1511.2	1614.3	1792.8	1952.2	2000.5	1926.7	1758.3	1577.0	1487.0	1526.0	1658.4
57°	1462.3	1570.8	1752.2	1914.1	1963.1	1888.9	1717.3	1531.1	1437.6	1478.2	1616.3
58°	1412.9	1524.7	1708.6	1873.1	1926.3	1851.5	1673.0	1484.5	1390.3	1431.4	1574.6
59°	1364.0	1479.4	1667.2	1833.7	1889.0	1812.9	1635.3	1438.9	1339.1	1385.8	1529.9
60°	1315.7	1433.4	1626.4	1794.2	1849.7	1773.0	1591.6	1391.2	1290.9	1341.3	1485.3
61°	1266.3	1385.6	1585.7	1755.6	1812.5	1731.9	1551.9	1345.2	1241.5	1294.4	1445.2
62°	1215.6	1340.6	1543.9	1717.9	1775.2	1691.4	1508.6	1299.0	1190.8	1249.7	1401.1
63°	1165.6	1293.2	1501.7	1676.4	1737.5	1651.7	1465.9	1251.8	1140.8	1201.3	1359.3
64°	1114.7	1247.1	1459.1	1638.0	1697.9	1612.7	1425.4	1207.0	1090.3	1152.8	1316.5
65°	1064.9	1199.4	1417.5	1596.7	1657.8	1569.0	1381.5	1160.1	1039.6	1107.4	1271.6
66°	1013.9	1154.7	1378.9	1557.5	1619.3	1531.8	1340.1	1113.2	986.9	1061.5	1229.4
67°	963.8	1108.7	1334.2	1518.6	1579.7	1492.3	1297.0	1067.6	938.3	1015.1	1187.2
68°	913.6	1061.2	1292.3	1473.6	1541.0	1450.6	1253.8	1022.5	888.3	965.8	1142.6
69°	863.4	1015.5	1250.1	1436.7	1499.2	1410.3	1211.4	973.5	838.6	922.0	1098.7
70°	812.1	970.3	1205.7	1391.9	1454.9	1370.2	1169.6	929.5	789.6	876.3	1057.5
71°	761.5	922.6	1164.7	1350.1	1418.1	1329.5	1125.7	883.1	736.8	829.8	1013.6
72°	711.3	878.9	1122.3	1308.7	1377.5	1288.1	1083.7	838.8	687.6	785.0	972.3
73°	660.7	832.0	1081.9	1264.7	1336.4	1246.5	1043.2	793.0	637.8	738.8	929.4
74°	609.8	789.1	1039.5	1224.5	1294.2	1205.8	998.6	749.3	588.6	694.8	888.5
75°	560.8	744.8	998.6	1180.4	1253.3	1165.2	957.4	704.6	539.1	652.0	844.8
76°	512.5	701.5	956.8	1140.3	1210.8	1123.5	914.4	659.5	491.7	607.9	803.0
77°	463.9	659.2	912.1	1098.9	1172.1	1084.6	875.9	617.4	444.2	566.5	762.3
78°	417.0	616.6	872.7	1056.5	1132.3	1040.7	831.7	574.9	398.9	525.4	721.4
79°	371.9	576.1	833.0	1018.4	1090.4	1002.7	793.9	533.9	353.6	484.8	682.8
80°	326.7	535.7	791.4	978.4	1050.7	960.0	752.4	494.0	309.0	446.8	643.8
81°	285.1	497.9	750.1	938.8	1008.9	921.6	714.0	454.1	267.1	409.2	606.7
82°	244.7	458.8	712.3	900.3	969.8	884.7	675.6	416.4	226.0	373.5	570.5
83°	205.7	421.2	674.0	860.1	930.3	847.6	640.2	380.9	188.7	340.2	537.0
84°	170.3	386.6	635.0	822.0	894.5	809.5	603.7	347.3	154.4	307.8	504.5
85°	136.5	353.0	601.4	784.6	857.3	775.1	570.7	314.3	123.4	278.6	475.2
86°	106.7	319.9	568.4	750.6	822.9	741.8	540.2	283.9	95.5	251.2	447.4
87°	81.8	290.3	537.1	716.0	788.5	708.8	508.2	255.9	71.7	226.4	423.3
88°	62.7	264.8	510.2	684.8	759.6	679.2	481.2	231.6	54.9	208.9	404.3
89°	47.7	243.8	484.8	656.6	729.4	649.7	455.5	212.4	43.2	193.6	389.5

TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	41.1	226.2	462.6	631.3	703.8	627.1	437.3	196.3	37.4	182.8	375.2
91°	38.8	211.4	443.9	609.9	679.5	603.9	418.5	183.5	36.2	172.1	361.3
92°	37.9	200.1	427.4	591.1	659.6	586.8	403.0	173.8	34.9	162.5	348.8
93°	36.9	188.7	412.0	572.8	641.1	567.5	388.0	163.5	34.0	152.9	335.9
94°	36.0	178.1	397.0	556.4	621.6	551.0	375.5	154.1	33.4	143.7	322.7
95°	35.4	167.8	383.1	540.1	604.0	534.0	361.4	144.2	32.2	135.8	309.5
96°	34.4	158.7	369.0	523.7	585.6	518.3	349.2	135.5	31.7	127.5	297.5
97°	33.9	149.8	354.1	508.2	568.1	501.3	335.0	127.3	31.1	119.7	285.4
98°	33.1	140.9	340.0	492.6	550.8	485.0	322.3	119.1	30.4	112.5	275.4
99°	32.9	132.9	327.1	477.0	533.9	468.4	309.1	111.4	29.6	105.3	263.6
100°	32.6	125.2	314.1	462.0	517.0	452.5	297.5	105.1	29.3	98.2	252.9
101°	32.1	118.0	300.9	446.0	500.6	439.0	285.2	98.5	29.1	92.7	242.9
102°	31.4	111.4	289.5	430.5	483.7	423.4	271.7	92.1	28.6	86.5	232.4
103°	30.9	104.9	276.7	415.7	467.9	409.4	260.5	85.8	28.6	80.7	222.2
104°	30.4	98.7	265.4	400.5	451.2	395.3	248.8	80.1	28.6	75.9	213.0
105°	29.9	92.6	254.8	386.7	436.7	381.3	237.8	74.4	28.4	70.5	202.3
106°	29.6	87.0	243.5	372.4	420.9	366.3	226.5	69.3	28.1	65.4	193.6
107°	29.1	81.5	232.4	357.5	405.7	351.7	217.1	64.8	27.1	60.3	184.1
108°	28.8	76.0	222.9	343.6	390.5	337.2	205.5	60.0	26.9	56.1	174.9
109°	28.1	71.0	213.0	330.7	376.8	324.8	197.6	55.6	26.9	52.3	166.7
110°	27.6	65.8	202.6	317.3	361.6	310.9	187.0	51.4	26.6	48.0	157.8
111°	26.9	61.5	193.0	303.7	348.2	299.2	178.4	47.4	26.1	44.2	149.8
112°	26.8	57.0	183.4	291.2	333.7	286.9	168.5	43.3	25.8	40.2	142.5
113°	26.5	53.1	173.7	279.1	320.4	274.5	159.3	39.9	26.0	36.8	134.3
114°	25.8	49.0	165.3	266.8	307.8	262.1	151.3	36.0	25.1	33.9	127.0
115°	25.3	45.1	156.9	254.9	294.2	250.1	143.0	33.0	24.6	30.6	119.2
116°	25.0	41.3	148.0	243.9	282.0	237.8	135.2	30.0	24.1	27.8	111.8
117°	24.6	38.0	140.3	232.0	268.8	227.0	127.9	27.3	23.6	25.5	105.3
118°	24.1	35.1	132.1	221.5	257.4	216.6	119.6	25.2	23.3	23.5	97.7
119°	23.6	32.0	124.3	210.8	245.2	205.5	112.6	23.7	23.0	23.3	91.7
120°	23.3	29.2	117.0	199.9	233.6	195.0	105.0	23.4	22.8	22.3	85.0
121°	22.8	27.4	110.2	190.0	222.4	184.1	97.7	23.3	22.0	21.7	78.5
122°	22.3	26.6	102.9	180.2	212.1	175.2	91.4	22.2	21.5	21.2	72.7
123°	21.3	26.3	95.7	170.3	199.8	165.1	83.8	22.0	21.3	21.2	66.1
124°	20.7	26.1	88.9	160.6	190.0	155.1	78.1	21.4	20.8	20.7	60.7
125°	20.3	25.3	82.7	151.4	179.1	146.8	71.3	20.9	20.2	20.5	55.1
126°	19.8	24.8	76.1	142.5	169.4	137.2	65.6	20.9	19.5	19.9	50.0
127°	19.5	24.3	70.0	133.5	159.2	128.4	59.7	20.5	18.5	19.4	45.4
128°	19.2	23.6	64.0	125.0	150.2	120.5	53.9	19.9	17.8	18.8	39.8
129°	18.8	23.1	57.9	116.3	140.2	111.5	49.3	19.4	16.9	18.5	35.3
130°	18.4	23.0	52.7	108.3	131.5	103.9	44.1	18.6	16.4	18.0	30.9
131°	18.0	22.3	47.4	100.2	121.9	95.4	39.0	18.3	15.9	17.9	26.5
132°	17.5	21.8	42.3	92.6	114.2	88.1	34.4	18.1	15.4	17.4	23.0
133°	17.0	21.0	37.7	84.8	104.8	80.7	29.9	17.9	15.2	16.7	18.9
134°	16.9	20.8	33.2	77.4	97.0	73.3	25.9	17.4	14.0	16.5	16.6





TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	16.4	20.0	28.8	70.4	88.7	66.5	22.4	16.6	13.6	15.9	15.6
136°	16.0	20.0	24.9	63.4	80.4	59.8	18.8	16.4	13.4	15.5	15.3
137°	15.9	19.5	21.9	56.9	73.1	53.7	17.6	16.0	13.2	15.2	14.9
138°	15.5	19.2	20.8	51.3	65.4	47.8	16.8	15.6	12.7	15.0	14.1
139°	15.4	18.5	20.3	45.4	58.6	42.1	16.0	15.3	12.7	14.9	13.6
140°	14.9	18.4	19.8	39.7	52.1	36.5	15.6	15.1	12.6	14.1	12.9
141°	14.7	17.7	19.3	34.3	45.5	31.6	15.3	14.5	12.2	13.7	12.8
142°	14.5	17.5	19.1	29.3	39.2	26.5	14.9	14.0	11.6	13.4	12.6
143°	14.3	17.2	18.4	24.3	33.5	22.2	14.1	13.6	11.2	13.2	11.8
144°	14.0	16.7	18.1	20.7	27.7	18.5	14.0	13.2	11.2	13.1	11.1
145°	13.7	16.2	17.6	19.2	22.6	16.4	13.5	13.0	11.2	13.1	11.0
146°	13.4	15.9	17.3	18.6	18.0	15.7	13.3	12.7	11.2	13.0	10.8
147°	13.1	15.2	16.8	18.1	16.0	15.5	13.1	12.7	11.2	12.9	10.9
148°	12.9	15.0	16.6	18.1	15.7	15.7	13.1	12.5	11.1	12.8	10.9
149°	12.6	14.8	16.0	17.6	15.2	15.4	13.0	12.5	11.1	12.7	11.0
150°	12.6	14.6	15.6	17.5	14.9	15.2	13.0	12.6	11.1	12.6	11.1
151°	12.2	14.3	15.4	17.0	14.4	14.5	12.9	12.6	11.1	12.6	11.1
152°	12.2	14.1	15.4	16.6	13.9	14.2	12.9	12.6	11.0	12.6	11.2
153°	12.2	13.9	15.1	16.5	13.4	13.9	12.8	12.6	11.0	12.6	11.3
154°	12.2	13.8	15.1	16.3	13.0	13.7	12.8	12.7	11.0	12.6	11.3
155°	12.1	13.8	15.1	15.8	12.7	13.0	12.3	12.7	11.0	12.6	11.4
156°	12.1	13.8	15.1	15.8	12.7	12.9	12.3	12.7	11.0	12.6	11.5
157°	12.1	13.7	15.0	15.5	12.7	12.9	12.4	12.7	11.1	12.6	11.5
158°	12.1	13.7	15.0	15.5	12.7	12.8	12.4	12.8	11.3	12.6	11.6
159°	12.1	13.6	15.0	15.1	12.6	12.8	12.4	12.8	11.5	12.7	11.7
160°	12.1	13.6	15.0	15.1	12.6	12.7	12.5	12.8	11.7	12.9	11.7
161°	12.7	13.6	15.0	15.0	12.6	12.7	12.6	12.8	11.9	13.1	11.8
162°	12.7	13.6	15.0	14.8	12.6	12.7	13.0	13.5	12.7	13.7	12.6
163°	12.9	13.9	14.9	14.6	12.5	12.6	13.0	14.2	13.6	14.0	13.3
164°	13.2	13.7	14.9	14.3	12.5	12.6	13.0	14.5	13.9	14.2	13.6
165°	13.7	13.7	14.9	14.5	12.5	12.6	13.0	14.6	14.4	14.5	14.1
166°	14.1	14.2	14.9	14.1	12.5	12.5	13.0	14.7	15.0	14.7	14.6
167°	14.4	14.7	14.9	14.1	12.4	12.5	13.0	14.8	15.7	15.0	15.3
168°	14.7	14.9	14.8	14.0	12.4	12.5	13.0	14.9	16.0	15.4	16.0
169°	15.0	15.0	14.8	13.9	12.4	12.4	13.1	14.9	16.4	15.5	16.6
170°	15.2	15.1	14.8	13.8	12.4	12.4	13.1	15.0	16.9	15.5	17.1
171°	15.2	15.3	14.8	13.7	12.3	12.4	13.1	15.1	17.0	15.5	17.8
172°	15.3	15.4	14.8	13.6	12.3	12.3	13.1	15.1	17.4	15.5	18.1
173°	15.3	15.5	14.7	13.0	12.3	12.3	13.1	15.5	17.5	15.5	17.9
174°	15.3	15.5	14.7	12.6	12.3	12.3	13.1	15.8	17.7	15.4	17.9
175°	15.3	15.9	14.7	12.6	12.3	12.2	13.1	15.6	17.9	15.4	18.1
176°	15.3	16.2	14.6	12.6	12.2	12.2	13.1	15.6	18.0	15.4	17.6
177°	15.4	16.4	14.6	12.5	12.2	12.0	13.1	15.6	18.2	15.4	17.1
178°	15.4	16.2	14.6	12.5	12.4	12.4	13.1	15.6	18.2	15.4	16.9
179°	15.4	16.4	14.6	12.5	12.9	12.2	13.1	15.6	18.2	15.4	16.8



TEST NUMBER: P600965  
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3215.1	3215.1	3215.1	3215.1	3215.1	3215.1
1°	3216.1	3213.2	3213.6	3209.4	3215.7	3216.3
2°	3208.6	3208.3	3209.2	3214.5	3215.7	3216.3
3°	3206.2	3205.4	3204.4	3210.0	3212.3	3213.0
4°	3200.6	3200.2	3198.0	3206.0	3204.2	3206.7
5°	3193.4	3196.0	3192.8	3195.3	3196.2	3199.7
6°	3185.2	3184.0	3189.9	3189.0	3192.4	3190.5
7°	3175.1	3173.0	3177.9	3182.5	3183.6	3183.3
8°	3168.0	3162.3	3169.0	3174.7	3173.7	3175.4
9°	3155.4	3155.2	3157.1	3164.0	3160.2	3167.6
10°	3145.9	3141.1	3146.1	3152.9	3145.5	3151.6
11°	3127.2	3135.0	3136.9	3139.0	3130.2	3136.2
12°	3118.4	3119.9	3121.7	3127.6	3117.5	3123.9
13°	3098.0	3104.7	3109.4	3112.5	3100.1	3108.7
14°	3080.6	3088.8	3094.4	3096.3	3082.6	3089.2
15°	3070.7	3071.7	3079.7	3082.0	3060.6	3071.3
16°	3049.7	3056.0	3060.6	3064.2	3040.2	3052.2
17°	3032.4	3036.0	3043.3	3045.5	3017.1	3026.7
18°	3010.5	3013.1	3026.7	3022.5	2993.7	3007.4
19°	2991.6	2995.4	3008.9	3000.9	2969.4	2983.6
20°	2967.9	2976.5	2982.6	2975.7	2947.1	2956.3
21°	2945.2	2954.4	2960.7	2951.7	2919.3	2929.8
22°	2922.5	2930.3	2935.5	2928.4	2890.5	2905.9
23°	2897.2	2904.6	2908.0	2897.5	2860.7	2876.7
24°	2875.0	2882.1	2884.9	2872.5	2829.6	2847.0
25°	2847.6	2856.9	2862.2	2843.4	2798.7	2815.7
26°	2818.0	2830.6	2833.6	2812.3	2768.0	2782.3
27°	2790.7	2805.8	2805.6	2784.8	2736.0	2746.8
28°	2765.2	2779.1	2780.2	2749.7	2705.3	2714.0
29°	2739.2	2751.0	2749.1	2720.1	2671.9	2681.4
30°	2706.2	2721.1	2718.4	2687.9	2637.4	2648.0
31°	2677.0	2692.3	2687.3	2654.0	2603.2	2609.7
32°	2648.6	2662.7	2655.7	2621.7	2568.1	2570.2
33°	2617.0	2632.8	2625.5	2588.9	2531.9	2532.1
34°	2585.3	2602.3	2594.4	2549.4	2493.2	2494.5
35°	2555.7	2573.8	2562.8	2516.4	2453.7	2453.7
36°	2519.7	2542.4	2529.2	2477.9	2413.8	2415.0
37°	2488.8	2508.0	2497.7	2440.9	2373.8	2373.8
38°	2451.0	2482.7	2464.4	2405.2	2333.5	2334.1
39°	2420.7	2446.1	2430.6	2363.7	2293.3	2289.8
40°	2384.3	2411.9	2398.2	2324.4	2252.1	2247.9
41°	2352.8	2380.4	2365.4	2285.8	2209.2	2204.8
42°	2320.4	2346.3	2332.4	2248.8	2165.1	2163.4
43°	2281.1	2314.1	2289.5	2210.9	2122.9	2119.1
44°	2247.1	2277.4	2257.2	2169.1	2079.6	2073.7

TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2212.2	2246.2	2221.0	2126.9	2034.6	2028.1
46°	2173.7	2209.0	2184.7	2084.8	1990.6	1982.9
47°	2138.6	2172.0	2145.8	2046.1	1944.2	1935.6
48°	2101.4	2135.9	2106.7	2005.8	1899.1	1891.8
49°	2063.2	2102.5	2072.0	1963.9	1854.9	1845.4
50°	2025.7	2065.7	2029.7	1921.3	1810.6	1798.0
51°	1989.8	2025.3	1988.8	1875.7	1762.6	1750.8
52°	1948.0	1990.6	1953.9	1833.5	1715.0	1702.4
53°	1913.3	1955.5	1915.0	1793.8	1671.7	1654.4
54°	1871.1	1917.5	1875.5	1751.1	1624.5	1606.6
55°	1830.2	1880.5	1835.8	1708.7	1576.9	1559.6
56°	1792.9	1842.1	1794.1	1665.6	1531.5	1511.2
57°	1752.9	1804.7	1756.1	1621.6	1484.9	1462.3
58°	1713.2	1766.1	1714.5	1580.1	1438.1	1412.9
59°	1671.9	1724.7	1674.1	1536.3	1389.4	1364.0
60°	1630.5	1684.8	1630.4	1490.4	1344.3	1315.7
61°	1590.2	1644.7	1589.2	1448.2	1297.0	1266.3
62°	1549.8	1605.7	1546.5	1403.5	1249.5	1215.6
63°	1508.1	1566.4	1506.6	1360.1	1201.9	1165.6
64°	1466.1	1524.6	1461.3	1317.7	1154.4	1114.7
65°	1424.1	1481.9	1421.1	1273.4	1107.6	1064.9
66°	1382.4	1441.2	1380.4	1228.3	1061.6	1013.9
67°	1340.6	1401.7	1337.1	1184.4	1013.7	963.8
68°	1297.7	1358.0	1296.3	1139.5	967.3	913.6
69°	1256.6	1318.8	1253.8	1095.6	919.7	863.4
70°	1213.5	1277.5	1210.6	1052.3	873.6	812.1
71°	1174.0	1232.6	1168.4	1009.1	827.2	761.5
72°	1131.3	1191.6	1127.4	966.4	782.4	711.3
73°	1089.1	1148.0	1085.4	922.3	737.0	660.7
74°	1046.7	1106.3	1043.8	879.0	690.7	609.8
75°	1003.6	1062.6	1001.6	837.0	647.1	560.8
76°	961.9	1018.6	959.9	795.3	605.7	512.5
77°	921.7	975.3	918.5	754.5	561.2	463.9
78°	880.1	930.4	878.5	714.2	518.9	417.0
79°	840.8	889.1	838.3	674.4	478.1	371.9
80°	802.9	849.3	799.8	636.5	438.3	326.7
81°	763.9	808.1	759.7	599.2	400.4	285.1
82°	728.9	771.2	722.1	564.4	364.9	244.7
83°	695.7	734.3	685.9	529.9	329.5	205.7
84°	663.8	700.4	651.5	497.0	296.8	170.3
85°	632.9	668.0	620.5	466.5	265.1	136.5
86°	605.1	639.1	591.8	439.2	238.3	106.7
87°	580.0	614.5	567.1	414.4	214.6	81.8
88°	558.8	593.3	545.7	394.2	195.0	62.7
89°	542.0	575.3	528.3	377.0	178.2	47.7

TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	526.9	559.0	511.3	361.7	166.1	41.1
91°	511.1	542.7	494.6	348.1	156.0	38.8
92°	496.4	526.0	479.8	335.3	146.5	37.9
93°	481.1	510.6	465.1	322.5	137.9	36.9
94°	465.1	495.6	449.9	309.0	130.4	36.0
95°	449.9	481.0	435.1	296.6	122.6	35.4
96°	434.4	466.7	421.4	285.9	114.7	34.4
97°	420.7	452.6	408.0	274.4	107.7	33.9
98°	406.6	438.5	394.5	263.8	100.9	33.1
99°	392.1	425.6	381.6	252.9	94.6	32.9
100°	378.4	412.0	368.1	242.9	89.0	32.6
101°	365.0	398.7	354.5	232.1	83.6	32.1
102°	350.9	386.5	342.0	222.7	77.9	31.4
103°	339.0	374.6	330.6	212.7	73.1	30.9
104°	324.4	361.9	319.1	203.1	68.2	30.4
105°	312.7	350.5	308.3	193.3	63.5	29.9
106°	301.3	339.1	296.4	184.5	59.2	29.6
107°	288.8	327.3	284.0	175.2	55.3	29.1
108°	276.7	315.4	272.3	166.5	51.7	28.8
109°	264.3	302.2	261.0	158.5	48.0	28.1
110°	253.8	290.4	250.2	150.4	44.3	27.6
111°	242.6	278.7	239.3	142.2	41.4	26.9
112°	232.2	266.4	229.3	134.8	38.2	26.8
113°	222.1	254.7	218.7	127.4	35.4	26.5
114°	212.2	243.9	208.7	120.0	32.6	25.8
115°	200.9	233.7	199.2	113.6	30.5	25.3
116°	192.3	222.5	189.3	106.5	28.8	25.0
117°	182.5	212.8	179.3	99.8	28.5	24.6
118°	173.3	202.6	170.1	93.3	28.0	24.1
119°	163.7	192.5	160.8	87.1	27.3	23.6
120°	154.6	182.6	152.1	81.1	27.1	23.3
121°	145.7	173.0	143.5	74.6	26.5	22.8
122°	137.4	163.1	135.0	69.4	26.0	22.3
123°	128.5	154.2	126.9	63.5	25.8	21.3
124°	121.1	145.6	119.0	58.0	25.2	20.7
125°	112.6	136.5	111.3	53.0	24.8	20.3
126°	105.1	128.3	103.4	48.3	24.3	19.8
127°	97.9	119.8	95.6	43.4	23.7	19.5
128°	89.4	111.7	88.3	38.8	23.5	19.2
129°	82.6	103.5	80.9	34.8	22.7	18.8
130°	75.5	95.6	74.2	30.6	22.2	18.4
131°	68.7	88.2	67.5	26.8	21.9	18.0
132°	62.0	80.5	61.0	23.5	21.1	17.5
133°	55.2	73.4	55.6	21.6	20.7	17.0
134°	50.1	66.4	49.7	21.0	20.2	16.9

TEST NUMBER: P600965

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	44.1	59.7	43.8	20.3	19.9	16.4
136°	38.1	54.0	38.6	20.0	19.4	16.0
137°	33.4	47.7	33.5	19.8	18.8	15.9
138°	27.8	41.9	28.8	19.1	18.4	15.5
139°	23.2	36.3	24.4	18.5	17.8	15.4
140°	18.7	31.1	20.5	18.1	17.1	14.9
141°	15.3	26.1	18.4	17.8	16.9	14.7
142°	14.1	21.8	17.9	17.5	16.5	14.5
143°	14.1	18.4	17.7	17.0	16.1	14.3
144°	13.6	17.6	17.4	16.5	15.6	14.0
145°	13.1	16.9	16.9	15.8	15.3	13.7
146°	13.1	16.7	16.5	15.5	15.1	13.4
147°	13.0	16.1	16.2	15.0	14.8	13.1
148°	12.8	15.9	16.0	14.6	14.5	12.9
149°	12.3	15.6	15.7	14.5	14.0	12.6
150°	11.8	15.2	15.5	14.3	14.0	12.6
151°	11.5	14.9	15.2	13.8	13.8	12.2
152°	11.1	14.6	14.7	13.6	13.5	12.2
153°	10.5	14.2	14.7	13.5	13.5	12.2
154°	10.3	13.9	14.5	13.6	13.6	12.2
155°	10.1	13.7	14.4	13.6	13.6	12.1
156°	10.2	13.4	14.2	13.6	13.7	12.1
157°	10.2	13.5	14.0	13.6	13.7	12.1
158°	10.2	13.4	13.9	13.6	13.8	12.1
159°	10.3	13.2	13.7	13.6	13.8	12.1
160°	10.3	13.2	13.7	13.6	13.8	12.1
161°	10.3	12.9	13.4	13.6	13.9	12.7
162°	11.0	12.9	13.2	13.6	13.9	12.7
163°	11.3	12.7	13.4	13.6	14.0	12.9
164°	11.5	12.4	13.0	13.6	14.5	13.2
165°	11.8	12.4	13.0	13.6	15.0	13.7
166°	12.1	12.3	13.0	13.7	15.1	14.1
167°	12.3	12.3	13.0	13.7	15.9	14.4
168°	12.5	12.3	13.0	13.8	16.3	14.7
169°	12.7	12.2	13.0	13.9	16.8	15.0
170°	12.9	12.2	13.0	13.9	17.4	15.2
171°	13.1	11.9	13.0	14.0	17.9	15.2
172°	13.7	11.8	13.0	14.3	18.1	15.3
173°	14.3	11.8	13.0	15.4	17.9	15.3
174°	14.8	11.8	13.0	15.5	17.9	15.3
175°	14.6	11.8	13.0	15.6	18.1	15.3
176°	14.6	11.7	13.4	15.8	18.1	15.3
177°	14.6	11.7	13.2	15.8	18.1	15.4
178°	14.6	11.9	13.2	15.8	18.1	15.4
179°	14.6	12.4	13.2	15.8	18.1	15.4



TEST NUMBER: P600965  
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	15.3	15.3	15.3	15.3	15.3	15.3

(END OF REPORT)