

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P861205

Luminaire Tested: **8APVTLD-SL3C3 HI POWER 5000K 120V**

Issue Date: 1/11/2023

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P861205  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( NTCLR22090026)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 8APVTLD-SL3C3 HI POWER 5000K 120V  
Description: HI POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER  
Luminaire Equipment: Sample No.   Condition   Description

**Summary**

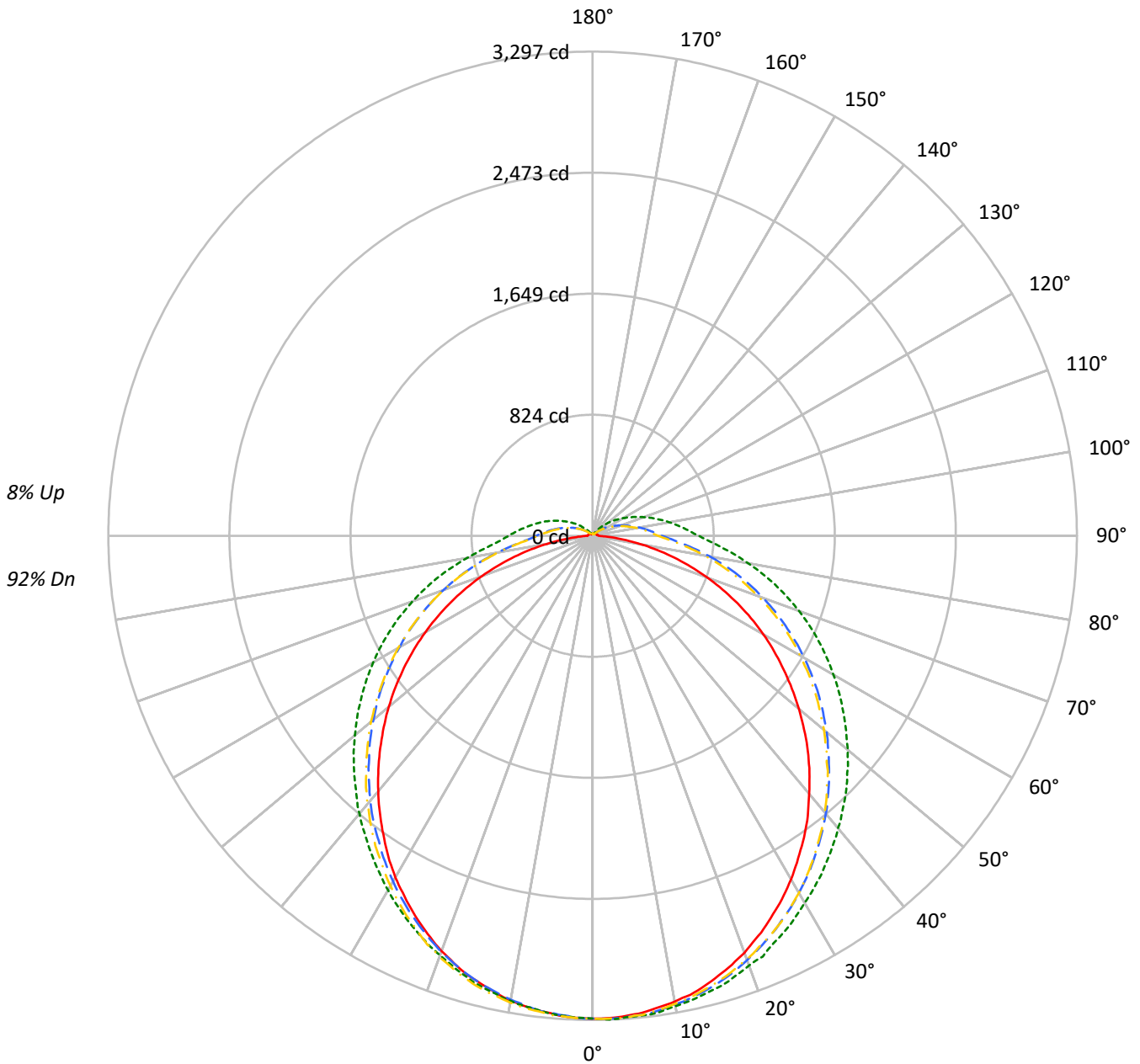
Lumens per Lamp: N/A  
Luminaire Lumens: 11200.1 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 94  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: 25 FT

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CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

### Luminous Intensity Polar Plot





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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	92
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	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	66	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°	13274	13274	13274	13274
5°	13244	13026	13212	12955
10°	13176	12770	13152	12625
15°	13076	12523	13023	12317
20°	12930	12257	12874	11967
25°	12720	12023	12663	11659
30°	12518	11760	12443	11349
35°	12268	11538	12154	11037
40°	11981	11322	11862	10760
45°	11709	11151	11548	10486
50°	11370	10976	11231	10221
55°	11003	10792	10872	9969
60°	10643	10658	10442	9714
65°	10157	10548	9899	9443
70°	9513	10452	9220	9123
75°	8642	10376	8263	8766
80°	7370	10340	6894	8334
85°	5794	10526	5202	8194



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.0	2.8
10°-20°	889.2	7.9
20°-30°	1345.3	12.0
30°-40°	1625.7	14.5
40°-50°	1711.3	15.3
50°-60°	1607.2	14.4
60°-70°	1340.9	12.0
70°-80°	957.6	8.5
80°-90°	564.3	5.0
90°-100°	353.1	3.2
100°-110°	232.9	2.1
110°-120°	138.4	1.2
120°-130°	71.7	0.6
130°-140°	29.1	0.3
140°-150°	10.7	0.1
150°-160°	6.2	0.1
160°-170°	4.0	0.0
170°-180°	1.4	0.0
0°-30°	2545.5	22.7
0°-40°	4171.2	37.2
0°-60°	7489.7	66.9
0°-90°	10352.5	92.4
90°-120°	724.4	6.5
90°-150°	835.9	7.5
90°-180°	848.0	7.6
0°-180°	11200.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3288	3288	3288	3288	3288	
5°	3272	3285	3264	3267	3272	311
15°	3138	3197	3125	3145	3138	885
25°	2870	3014	2857	2923	2870	1323
35°	2508	2751	2484	2632	2508	1568
45°	2073	2442	2044	2296	2073	1597
55°	1587	2081	1568	1922	1587	1420
65°	1087	1696	1060	1519	1087	1075
75°	576	1286	550	1086	576	609
85°	140	877	126	682	140	155
90°	42	722	38	573	42	26
95°	36	619	33	492	36	29
105°	30	448	29	359	30	33
115°	26	301	25	238	26	26
125°	21	183	20	140	21	19
135°	17	91	14	61	17	13
145°	14	23	11	18	14	9
155°	12	13	11	14	12	6
165°	14	13	15	13	14	4
175°	16	13	18	12	16	1
180°	16	16	16	16	16	



TEST NUMBER: P861205

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4
1°	3288.2	3293.6	3288.4	3289.6	3291.5	3290.9	3291.1	3288.2	3286.7	3287.6	3287.8
2°	3286.7	3291.5	3291.3	3291.5	3296.7	3289.9	3289.2	3287.3	3283.8	3283.6	3281.5
3°	3282.3	3290.3	3288.8	3285.5	3293.6	3288.8	3290.5	3283.4	3280.3	3278.2	3273.6
4°	3277.7	3289.7	3284.0	3284.6	3287.3	3283.6	3288.0	3275.3	3275.0	3273.4	3270.7
5°	3271.5	3285.7	3280.5	3278.0	3285.1	3280.7	3280.1	3272.5	3263.6	3270.2	3259.6
6°	3265.9	3277.1	3277.3	3276.9	3282.8	3276.1	3280.1	3266.9	3256.9	3260.0	3258.1
7°	3252.9	3268.6	3273.0	3269.6	3282.1	3269.2	3268.4	3256.5	3249.6	3250.6	3247.9
8°	3241.7	3260.2	3261.9	3267.5	3274.6	3264.8	3260.9	3246.9	3238.9	3239.8	3232.5
9°	3232.3	3242.5	3252.7	3258.4	3262.1	3258.3	3248.1	3239.6	3226.2	3227.9	3219.1
10°	3220.6	3227.5	3240.8	3250.0	3252.9	3247.7	3236.7	3222.2	3214.7	3212.0	3207.8
11°	3206.0	3221.6	3231.4	3238.9	3242.7	3237.9	3225.4	3212.2	3199.3	3195.1	3193.0
12°	3195.3	3204.1	3218.1	3228.7	3233.7	3225.0	3212.0	3194.5	3180.5	3176.8	3176.1
13°	3178.6	3188.9	3205.4	3216.8	3221.4	3212.2	3197.4	3175.1	3160.9	3155.3	3160.1
14°	3157.2	3168.8	3189.9	3202.8	3209.1	3201.4	3180.7	3158.2	3143.6	3133.2	3144.6
15°	3137.7	3152.6	3174.9	3190.3	3197.4	3182.8	3165.7	3139.4	3125.2	3117.1	3125.0
16°	3115.2	3133.4	3156.7	3173.2	3186.8	3166.1	3147.1	3120.0	3107.9	3095.0	3105.4
17°	3093.5	3113.3	3139.2	3157.6	3170.9	3153.6	3131.3	3092.9	3084.5	3072.2	3083.5
18°	3070.1	3096.4	3120.2	3139.2	3149.6	3136.1	3110.4	3072.9	3058.7	3049.5	3061.0
19°	3045.1	3067.8	3097.5	3121.5	3132.9	3119.6	3087.9	3046.8	3032.6	3026.1	3037.2
20°	3021.5	3042.0	3074.3	3103.7	3113.1	3098.1	3070.1	3026.3	3008.4	3002.8	3014.8
21°	2990.0	3015.9	3052.0	3087.0	3099.1	3078.7	3048.0	3003.4	2980.6	2972.9	2986.7
22°	2961.6	2994.8	3027.8	3063.1	3090.4	3062.2	3021.3	2979.0	2948.9	2943.5	2961.4
23°	2935.1	2963.7	3003.6	3038.0	3058.7	3038.4	3000.2	2942.4	2919.5	2913.9	2931.6
24°	2904.0	2934.7	2978.1	3020.1	3034.7	3013.4	2977.1	2919.1	2888.0	2886.1	2904.1
25°	2870.0	2907.8	2953.7	2995.9	3014.2	2991.5	2951.4	2891.3	2857.1	2855.2	2874.2
26°	2837.7	2877.8	2923.9	2975.0	2991.7	2966.9	2926.2	2859.4	2823.1	2821.0	2846.7
27°	2808.1	2848.6	2896.3	2945.8	2968.3	2942.4	2898.8	2826.0	2790.1	2788.2	2814.3
28°	2772.6	2811.6	2868.8	2922.6	2941.2	2918.5	2867.7	2790.3	2752.6	2752.2	2783.5
29°	2737.3	2780.1	2840.8	2896.3	2914.1	2893.0	2837.9	2756.3	2721.1	2719.0	2751.5
30°	2701.9	2747.8	2808.5	2869.4	2887.2	2860.9	2808.7	2724.4	2685.6	2682.2	2717.7
31°	2663.3	2712.5	2777.8	2841.3	2862.7	2837.7	2775.3	2684.8	2645.9	2647.0	2683.5
32°	2624.3	2678.5	2746.5	2812.0	2837.3	2807.4	2741.7	2650.1	2609.8	2612.4	2647.8
33°	2584.2	2636.1	2716.1	2782.2	2808.9	2780.9	2708.3	2614.0	2568.9	2576.7	2614.2
34°	2546.8	2601.3	2680.8	2752.2	2783.0	2753.6	2674.9	2577.9	2526.4	2534.5	2576.7
35°	2507.8	2563.9	2645.9	2722.3	2751.3	2719.8	2641.4	2537.4	2484.5	2493.0	2538.7
36°	2467.8	2526.4	2613.0	2692.1	2722.1	2686.8	2602.6	2496.5	2442.7	2453.8	2505.5
37°	2427.9	2488.4	2576.5	2661.0	2693.9	2657.6	2568.7	2459.6	2400.8	2415.0	2469.8
38°	2383.9	2446.1	2543.5	2628.4	2661.4	2621.7	2534.5	2416.6	2358.6	2376.0	2433.3
39°	2337.1	2404.3	2506.6	2595.9	2634.1	2586.5	2493.4	2376.6	2315.2	2336.1	2395.1
40°	2293.7	2362.6	2470.7	2564.4	2599.4	2557.3	2457.7	2336.5	2270.8	2291.9	2353.8
41°	2248.9	2325.7	2433.8	2534.1	2572.7	2524.1	2420.8	2291.7	2227.0	2253.0	2315.0
42°	2206.7	2282.3	2393.1	2500.5	2536.2	2489.0	2381.8	2250.8	2181.3	2207.8	2274.1



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2072.6	2159.0	2276.0	2396.0	2441.7	2388.9	2265.2	2119.1	2044.0	2075.5	2151.4
46°	2025.4	2114.5	2236.6	2359.9	2408.1	2355.3	2214.9	2076.9	1997.9	2030.4	2114.5
47°	1977.2	2066.7	2198.4	2322.3	2370.1	2317.1	2181.5	2030.6	1951.5	1984.3	2075.7
48°	1929.4	2025.0	2156.4	2289.6	2339.4	2280.0	2135.2	1987.4	1905.2	1939.6	2033.6
49°	1881.2	1977.6	2120.3	2255.1	2300.2	2243.9	2096.3	1941.1	1859.2	1891.4	1991.6
50°	1833.1	1932.6	2081.1	2214.2	2268.7	2204.8	2055.2	1896.5	1810.7	1844.8	1947.4
51°	1784.3	1885.0	2038.1	2179.2	2228.4	2165.6	2011.2	1850.3	1764.1	1799.5	1904.8
52°	1735.4	1842.6	1997.5	2146.2	2191.9	2126.2	1969.1	1803.3	1715.4	1750.1	1866.6
53°	1686.3	1795.4	1958.6	2108.4	2156.6	2089.3	1929.6	1756.1	1665.5	1705.1	1822.5
54°	1636.7	1747.3	1915.8	2068.8	2119.9	2051.7	1888.0	1711.4	1616.1	1658.6	1779.7
55°	1586.7	1701.8	1875.7	2031.2	2081.1	2014.4	1845.1	1664.4	1567.9	1611.6	1735.0
56°	1538.3	1652.7	1833.8	1994.5	2044.8	1974.7	1799.4	1614.3	1517.4	1562.3	1691.5
57°	1489.4	1606.4	1791.3	1953.8	2008.5	1937.8	1762.1	1566.0	1466.9	1515.3	1649.5
58°	1441.7	1559.0	1748.9	1915.2	1969.9	1895.9	1718.5	1518.1	1416.8	1467.5	1605.8
59°	1392.9	1512.4	1706.5	1874.6	1933.2	1857.4	1672.2	1472.6	1367.2	1419.3	1563.0
60°	1342.1	1463.7	1664.2	1835.8	1891.9	1815.2	1629.4	1423.2	1316.8	1373.4	1516.7
61°	1290.5	1418.1	1619.5	1795.4	1855.6	1775.1	1590.2	1376.9	1265.3	1324.7	1477.2
62°	1241.0	1369.8	1579.9	1754.1	1816.8	1736.5	1547.6	1329.7	1214.4	1276.1	1433.3
63°	1190.4	1322.9	1532.6	1714.9	1777.4	1695.3	1501.3	1283.0	1162.0	1228.3	1388.4
64°	1138.3	1276.9	1490.8	1673.3	1739.9	1654.3	1460.4	1233.5	1111.8	1180.2	1344.3
65°	1087.2	1228.9	1448.1	1634.8	1696.4	1610.6	1416.2	1186.0	1059.6	1132.0	1298.1
66°	1036.3	1181.0	1404.6	1593.6	1660.6	1570.3	1372.9	1139.8	1009.0	1083.6	1256.7
67°	984.4	1134.8	1362.0	1549.7	1617.5	1529.3	1328.6	1092.1	957.8	1036.8	1212.8
68°	932.7	1086.2	1319.0	1508.5	1578.2	1487.5	1285.1	1045.0	905.7	989.9	1168.0
69°	881.1	1041.4	1276.4	1465.7	1534.9	1446.0	1241.4	996.7	854.5	942.9	1124.4
70°	829.1	994.1	1234.4	1425.3	1494.0	1403.4	1197.4	950.2	803.6	895.7	1080.3
71°	777.2	946.4	1189.8	1380.8	1451.5	1362.0	1153.8	905.2	749.7	848.7	1035.0
72°	727.0	899.8	1151.4	1340.0	1410.0	1318.9	1109.7	859.4	700.5	802.6	993.7
73°	677.4	854.4	1106.0	1296.0	1369.4	1278.4	1066.9	812.6	651.1	756.3	950.8
74°	625.4	808.1	1065.2	1250.0	1325.9	1234.6	1022.6	766.7	600.4	711.6	906.4
75°	575.7	763.8	1020.7	1208.5	1286.1	1193.9	980.9	721.3	550.4	666.5	863.4
76°	524.7	717.9	978.0	1166.0	1242.4	1150.6	938.9	676.3	501.2	622.9	819.2
77°	476.1	675.3	935.4	1124.6	1199.9	1109.6	897.1	632.2	452.3	579.7	777.4
78°	427.5	632.0	892.6	1082.4	1157.3	1066.9	853.4	588.2	404.2	538.4	736.7
79°	381.5	590.1	851.8	1041.5	1117.1	1026.7	814.8	548.3	358.6	496.1	698.0
80°	335.8	548.2	808.7	998.9	1075.5	985.0	771.6	506.1	314.1	456.8	656.8
81°	292.3	507.0	768.1	959.9	1033.8	946.1	733.0	466.7	272.0	418.3	618.9
82°	249.8	469.9	728.9	919.6	993.3	907.6	692.6	426.4	230.2	381.7	582.3
83°	211.1	431.6	688.4	880.7	954.3	867.7	655.4	391.0	192.2	347.5	548.5
84°	174.1	396.4	650.1	841.5	914.8	831.0	617.6	354.6	157.6	315.0	515.5
85°	140.0	362.1	614.5	803.1	876.7	795.0	584.3	322.1	125.7	284.1	484.9
86°	109.3	328.1	580.4	767.3	843.2	761.7	553.1	291.5	97.3	256.5	457.4
87°	84.2	297.5	549.3	731.9	806.8	727.7	521.1	263.5	73.0	231.3	432.2



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	41.7	231.7	472.8	645.5	722.2	643.3	445.7	201.5	38.5	186.2	384.3
91°	39.7	216.7	453.0	623.7	695.2	619.9	428.2	188.3	37.0	175.7	369.5
92°	38.7	205.1	435.8	605.5	676.2	601.7	412.6	178.1	36.0	165.4	356.1
93°	37.5	192.9	420.6	588.4	656.7	583.3	398.2	167.9	35.0	155.9	342.8
94°	36.8	182.5	406.0	569.6	637.3	565.6	383.9	157.8	34.1	147.2	329.7
95°	36.1	172.4	392.3	553.0	618.9	548.3	370.6	147.9	33.0	138.9	316.4
96°	35.5	162.6	376.9	536.6	599.1	531.4	356.1	139.2	32.3	130.4	304.1
97°	34.6	153.3	362.4	520.1	581.8	514.7	343.1	130.4	31.8	122.5	292.1
98°	34.1	144.1	348.5	503.9	564.1	497.9	330.1	122.5	31.0	115.0	280.4
99°	33.6	136.4	335.7	488.2	546.6	481.1	317.0	114.8	30.3	107.6	269.9
100°	33.1	128.7	320.9	472.3	529.6	465.3	304.5	108.2	30.1	100.8	258.5
101°	32.6	121.5	308.0	457.1	512.6	449.5	291.8	100.9	29.9	94.5	248.1
102°	32.1	114.2	295.5	441.3	496.1	434.4	279.0	94.3	29.7	88.3	236.4
103°	31.8	107.2	283.7	424.6	479.4	420.1	267.8	88.2	29.4	82.9	226.6
104°	31.3	101.1	271.9	408.9	462.0	404.7	254.5	82.4	29.2	77.5	216.2
105°	30.5	94.9	260.7	395.2	448.0	390.4	244.5	76.8	28.9	72.3	206.6
106°	30.3	88.8	249.1	380.2	431.3	375.2	232.7	71.6	28.9	67.1	197.6
107°	30.1	83.7	238.0	364.9	416.7	361.0	222.9	66.7	27.9	62.1	188.2
108°	29.5	77.9	227.8	351.9	399.9	346.5	211.5	61.6	27.6	57.3	178.7
109°	28.8	72.8	217.1	337.8	386.8	333.4	202.6	57.1	27.3	53.4	170.0
110°	28.3	67.8	207.2	324.4	370.3	319.0	192.0	53.1	27.1	49.2	161.2
111°	28.0	62.8	197.3	311.5	357.2	306.9	182.5	48.7	27.1	45.3	153.2
112°	27.6	58.4	187.7	297.9	342.3	294.1	172.9	44.6	26.3	41.3	145.0
113°	27.3	54.6	178.4	285.5	327.8	281.6	164.3	41.0	26.3	37.9	137.0
114°	26.6	50.2	169.1	273.1	315.4	269.0	155.5	37.3	26.1	34.7	129.4
115°	25.9	46.3	160.4	261.0	300.8	256.4	147.3	34.2	25.1	31.4	121.7
116°	25.6	42.7	151.8	248.5	288.9	244.7	138.8	30.9	24.8	28.6	114.0
117°	25.3	38.9	143.4	237.3	275.0	233.8	131.0	28.5	24.4	26.2	107.4
118°	24.8	35.8	135.3	226.8	263.1	222.5	123.0	25.9	24.1	23.8	100.1
119°	24.3	32.7	127.8	215.6	250.7	211.4	115.4	24.2	23.6	23.8	93.7
120°	23.9	30.0	119.8	204.6	239.7	201.0	108.0	24.0	23.4	23.5	86.8
121°	23.3	28.2	112.6	194.4	227.5	189.7	100.6	23.3	23.1	22.3	79.9
122°	22.8	27.5	105.3	183.9	217.2	179.8	93.8	23.2	22.1	22.0	74.2
123°	21.9	27.0	98.3	174.7	204.1	169.8	86.6	22.8	21.2	21.5	67.8
124°	21.1	26.7	91.2	164.5	194.7	159.7	80.1	21.8	20.7	21.0	61.7
125°	20.8	26.0	84.3	154.7	183.2	150.1	73.5	21.7	20.2	20.8	56.3
126°	20.2	25.5	78.0	145.9	173.5	141.0	67.3	21.0	19.6	20.8	51.0
127°	19.9	25.0	71.5	136.5	163.1	132.2	61.2	20.8	19.1	20.3	46.2
128°	19.6	24.3	65.5	127.9	153.8	123.7	55.8	21.0	18.2	19.8	40.9
129°	19.3	23.6	59.4	119.4	143.6	114.3	50.4	20.0	17.7	19.0	36.0
130°	18.7	23.3	54.2	110.6	135.4	106.6	45.5	19.5	16.9	18.6	31.7
131°	18.2	22.8	48.8	102.6	125.0	98.3	40.1	18.8	16.4	18.3	27.0
132°	17.7	22.3	43.5	94.2	117.3	90.9	35.6	18.5	15.7	17.8	23.2





TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	16.7	20.9	29.8	72.1	91.0	68.7	22.9	17.2	14.1	16.3	16.1
136°	16.4	20.6	25.7	65.2	82.8	61.5	19.4	16.8	13.7	15.8	15.5
137°	16.1	19.9	22.6	58.5	74.9	55.2	18.2	16.3	13.4	15.6	15.1
138°	15.9	19.6	21.4	52.7	67.2	49.6	17.2	16.2	13.2	15.6	14.5
139°	15.6	19.1	20.9	46.2	60.1	43.5	16.5	15.5	13.1	15.3	14.0
140°	15.2	18.8	20.2	40.7	53.6	37.9	16.2	15.2	13.2	14.6	13.3
141°	14.7	18.1	19.9	35.1	46.8	32.5	15.7	15.2	12.7	13.9	13.1
142°	14.7	17.9	19.3	30.0	40.4	27.5	15.3	14.3	12.4	13.6	12.8
143°	14.7	17.4	18.8	25.3	34.7	22.9	14.8	13.8	11.9	13.4	12.1
144°	14.4	17.3	18.5	21.2	28.6	19.1	14.2	13.5	11.2	13.2	11.9
145°	13.9	16.8	18.0	19.9	23.3	16.8	13.8	13.3	11.0	13.2	11.6
146°	13.7	16.3	17.7	19.2	18.7	16.3	13.7	13.0	11.0	13.2	11.4
147°	13.7	15.9	17.3	18.9	16.4	15.9	13.7	13.2	11.0	13.1	11.4
148°	13.2	15.6	17.0	18.6	15.9	15.9	13.3	13.0	11.0	13.1	11.4
149°	13.1	15.1	16.5	18.2	15.6	15.8	13.3	12.7	11.0	13.0	11.4
150°	12.9	14.9	16.1	17.5	15.6	15.8	13.2	12.7	11.0	13.0	11.4
151°	12.6	14.6	16.0	17.4	15.1	15.4	13.0	12.8	11.0	12.9	11.3
152°	12.5	14.6	15.9	17.2	14.6	14.6	13.0	12.9	10.9	12.9	11.3
153°	12.4	14.1	15.8	16.9	13.9	14.2	13.0	13.0	10.9	12.9	11.3
154°	12.5	14.1	15.7	16.5	13.7	13.9	13.0	13.1	10.9	12.9	11.3
155°	12.5	14.1	15.6	16.4	13.0	13.7	13.0	13.2	10.9	12.9	11.3
156°	12.6	14.1	15.5	16.2	13.0	13.2	13.0	13.3	10.9	12.9	11.3
157°	12.7	14.1	15.5	15.9	12.9	13.4	13.0	13.4	10.9	12.9	11.3
158°	12.7	14.2	15.4	16.0	12.9	13.0	13.0	13.5	11.2	12.9	11.3
159°	12.8	14.2	15.4	15.4	12.8	12.7	13.0	13.7	11.2	13.1	11.3
160°	12.9	14.2	15.4	15.4	12.8	12.7	13.0	13.8	11.6	13.2	11.3
161°	12.9	14.3	15.4	15.5	12.8	12.7	13.1	13.9	12.2	13.6	12.1
162°	13.1	14.3	15.3	15.2	12.8	12.7	13.1	14.0	13.1	14.2	13.0
163°	13.2	14.4	15.3	15.0	12.8	12.7	13.2	14.5	13.9	14.6	13.6
164°	13.4	14.5	15.3	14.7	12.8	12.7	13.3	14.8	14.4	14.7	14.0
165°	14.0	14.5	15.3	14.8	12.7	12.7	13.4	15.2	14.9	14.9	14.5
166°	14.4	14.6	15.3	14.5	12.7	12.6	13.4	15.3	15.4	15.1	15.1
167°	14.9	15.3	15.2	14.5	12.7	12.6	13.5	15.7	16.1	15.4	15.7
168°	15.4	15.3	15.2	14.3	12.7	12.6	13.6	15.7	16.4	15.9	16.5
169°	15.4	15.6	15.2	14.3	12.7	12.6	13.6	15.7	16.9	15.9	17.0
170°	15.5	15.4	15.2	14.2	12.7	12.6	13.5	15.7	17.2	15.9	17.7
171°	15.5	15.8	15.1	14.0	12.6	12.6	13.5	15.7	17.2	15.9	18.3
172°	15.5	15.6	15.1	13.8	12.6	12.6	13.5	15.7	17.7	15.9	18.5
173°	15.6	16.1	15.1	13.3	12.6	12.6	13.4	16.0	17.9	15.8	18.5
174°	15.6	15.9	15.0	13.0	12.6	12.6	13.4	16.2	18.1	15.8	18.7
175°	15.7	16.3	14.9	13.0	12.6	12.6	13.4	16.2	18.2	15.8	18.5
176°	15.7	16.6	14.9	12.8	12.6	12.5	13.4	16.2	18.4	15.8	18.3
177°	15.7	16.8	14.8	12.8	12.5	12.5	13.3	16.2	18.6	15.8	18.0



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3288.4	3288.4	3288.4	3288.4	3288.4	3288.4
1°	3284.6	3284.2	3289.6	3288.2	3289.4	3288.2
2°	3278.4	3283.8	3287.6	3285.7	3286.7	3286.7
3°	3275.9	3275.5	3280.7	3280.3	3282.5	3282.3
4°	3269.4	3273.8	3277.3	3278.2	3275.3	3277.7
5°	3264.4	3267.3	3272.7	3276.7	3267.5	3271.5
6°	3255.4	3257.7	3262.5	3262.9	3259.6	3265.9
7°	3249.6	3245.8	3255.0	3256.1	3251.3	3252.9
8°	3238.3	3237.9	3246.0	3251.0	3241.5	3241.7
9°	3227.5	3229.3	3232.5	3240.0	3229.8	3232.3
10°	3211.0	3216.0	3220.0	3227.7	3214.1	3220.6
11°	3198.1	3205.4	3208.5	3214.5	3199.7	3206.0
12°	3188.2	3187.4	3200.1	3200.5	3182.4	3195.3
13°	3175.1	3175.3	3185.5	3190.3	3166.3	3178.6
14°	3156.7	3159.0	3169.9	3173.4	3147.6	3157.2
15°	3138.4	3144.8	3153.2	3155.9	3128.2	3137.7
16°	3117.1	3122.9	3135.5	3136.3	3107.5	3115.2
17°	3100.2	3104.6	3118.6	3117.5	3082.9	3093.5
18°	3076.6	3081.0	3096.2	3094.1	3065.6	3070.1
19°	3055.1	3060.7	3077.2	3070.8	3035.3	3045.1
20°	3033.8	3039.3	3051.2	3050.7	3013.6	3021.5
21°	3011.7	3019.4	3029.3	3021.1	2985.0	2990.0
22°	2985.6	2997.3	3005.9	3002.7	2957.7	2961.6
23°	2963.1	2973.7	2985.4	2971.7	2928.3	2935.1
24°	2934.7	2947.9	2960.6	2942.6	2901.5	2904.0
25°	2912.2	2923.0	2931.0	2910.1	2868.4	2870.0
26°	2879.6	2898.8	2899.9	2883.2	2834.2	2837.7
27°	2852.9	2870.7	2870.5	2851.5	2801.6	2808.1
28°	2825.6	2844.0	2847.5	2819.8	2764.7	2772.6
29°	2797.8	2816.8	2813.7	2787.6	2728.8	2737.3
30°	2766.1	2786.4	2785.7	2752.1	2695.2	2701.9
31°	2740.3	2757.4	2754.5	2719.4	2660.5	2663.3
32°	2704.0	2724.6	2721.3	2680.6	2625.1	2624.3
33°	2674.1	2694.8	2691.4	2645.5	2585.9	2584.2
34°	2642.8	2663.3	2657.8	2611.5	2547.0	2546.8
35°	2611.3	2631.8	2621.7	2577.7	2508.4	2507.8
36°	2574.0	2600.2	2589.0	2538.5	2468.0	2467.8
37°	2537.7	2566.7	2556.0	2500.9	2427.5	2427.9
38°	2505.5	2535.6	2523.9	2461.9	2386.2	2383.9
39°	2475.7	2505.9	2490.3	2419.6	2344.6	2337.1
40°	2445.0	2470.5	2453.4	2383.9	2300.2	2293.7
41°	2403.5	2439.0	2419.3	2344.6	2257.2	2248.9
42°	2369.7	2399.1	2385.5	2305.4	2214.2	2206.7



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2258.1	2296.2	2274.3	2179.4	2081.3	2072.6
46°	2224.1	2260.3	2235.3	2136.4	2031.2	2025.4
47°	2187.9	2224.0	2199.0	2095.5	1988.9	1977.2
48°	2150.2	2189.4	2158.7	2053.6	1942.4	1929.4
49°	2110.3	2150.0	2119.5	2011.8	1896.2	1881.2
50°	2072.6	2112.6	2077.6	1968.5	1850.6	1833.1
51°	2036.9	2075.5	2040.0	1923.2	1802.7	1784.3
52°	1992.4	2037.9	1999.1	1879.8	1753.5	1735.4
53°	1953.2	2001.4	1961.4	1837.5	1706.8	1686.3
54°	1914.3	1960.7	1917.8	1791.2	1659.1	1636.7
55°	1875.2	1922.3	1879.5	1748.3	1611.0	1586.7
56°	1834.0	1884.3	1838.0	1703.7	1565.3	1538.3
57°	1794.0	1845.4	1797.4	1659.4	1516.2	1489.4
58°	1751.4	1804.7	1754.8	1616.3	1467.6	1441.7
59°	1710.8	1765.6	1711.9	1573.5	1419.8	1392.9
60°	1666.2	1724.3	1671.7	1527.0	1371.6	1342.1
61°	1623.7	1684.0	1628.2	1483.9	1322.2	1290.5
62°	1580.9	1643.8	1585.1	1436.2	1276.6	1241.0
63°	1538.9	1602.3	1541.8	1394.0	1229.2	1190.4
64°	1497.5	1560.5	1499.3	1348.0	1180.2	1138.3
65°	1452.6	1518.7	1457.3	1301.9	1132.3	1087.2
66°	1413.1	1476.2	1412.5	1256.4	1084.6	1036.3
67°	1369.2	1435.1	1368.3	1213.2	1037.2	984.4
68°	1328.0	1387.8	1327.7	1167.1	987.0	932.7
69°	1286.0	1346.9	1283.3	1122.5	939.5	881.1
70°	1242.4	1304.0	1241.0	1078.9	894.3	829.1
71°	1198.9	1259.6	1197.3	1033.0	844.9	777.2
72°	1158.3	1218.4	1155.5	989.9	798.8	727.0
73°	1114.9	1172.2	1110.2	943.9	752.0	677.4
74°	1070.1	1130.9	1067.8	899.5	707.6	625.4
75°	1027.7	1086.5	1025.5	856.2	661.3	575.7
76°	982.0	1041.7	983.5	812.8	615.6	524.7
77°	939.5	996.3	941.5	770.6	572.6	476.1
78°	899.1	951.2	897.8	731.0	529.1	427.5
79°	858.9	909.2	857.5	689.6	488.3	381.5
80°	820.5	866.9	816.9	650.9	447.7	335.8
81°	782.1	825.5	776.6	613.3	408.8	292.3
82°	745.4	786.7	739.5	576.4	372.2	249.8
83°	711.2	750.3	701.1	542.0	337.1	211.1
84°	678.0	715.5	666.2	507.5	303.3	174.1
85°	647.0	682.5	633.7	476.3	271.0	140.0
86°	619.2	655.1	605.0	449.4	243.8	109.3
87°	592.6	629.6	579.8	423.7	219.2	84.2



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	538.5	572.8	523.5	370.0	169.7	41.7
91°	522.1	555.8	506.9	356.8	159.7	39.7
92°	507.0	538.8	490.4	343.6	149.4	38.7
93°	490.9	522.6	475.3	330.1	140.9	37.5
94°	475.6	506.8	460.0	316.2	133.2	36.8
95°	459.2	491.5	445.2	303.6	125.2	36.1
96°	444.4	477.6	431.4	291.9	116.9	35.5
97°	429.0	462.7	417.3	281.2	110.0	34.6
98°	415.1	448.8	403.4	270.4	103.2	34.1
99°	400.4	435.3	389.8	259.8	96.6	33.6
100°	386.6	421.9	376.0	249.0	90.8	33.1
101°	373.7	407.9	362.6	237.7	85.3	32.6
102°	359.0	396.2	349.8	227.8	79.9	32.1
103°	346.4	383.1	338.1	218.2	74.5	31.8
104°	332.4	371.0	326.7	208.1	69.6	31.3
105°	319.7	358.7	315.4	198.5	65.0	30.5
106°	307.6	346.7	303.5	188.7	60.3	30.3
107°	295.2	334.6	290.8	179.7	56.2	30.1
108°	283.0	321.9	278.3	170.5	52.9	29.5
109°	271.6	309.1	267.1	162.1	49.2	28.8
110°	258.8	297.2	255.9	154.0	45.4	28.3
111°	248.3	285.4	244.7	146.0	42.5	28.0
112°	237.3	273.0	234.0	138.2	38.9	27.6
113°	226.9	261.8	223.7	130.5	36.1	27.3
114°	216.4	249.7	213.4	123.2	33.6	26.6
115°	206.3	238.4	203.5	115.9	31.1	25.9
116°	196.0	227.8	193.6	109.2	29.5	25.6
117°	187.1	217.3	183.2	102.1	29.0	25.3
118°	176.7	207.2	173.6	95.6	28.5	24.8
119°	167.2	196.8	164.4	89.1	28.1	24.3
120°	158.3	186.6	155.3	82.8	27.6	23.9
121°	148.5	176.9	146.7	76.8	27.1	23.3
122°	140.5	167.4	138.2	70.8	27.0	22.8
123°	131.6	158.1	129.4	65.2	26.3	21.9
124°	123.6	148.8	121.3	59.4	26.0	21.1
125°	115.8	140.0	113.5	54.6	25.6	20.8
126°	107.3	131.3	105.5	49.4	25.0	20.2
127°	99.5	122.7	97.7	44.5	24.7	19.9
128°	92.1	114.1	90.5	39.8	24.0	19.6
129°	84.0	105.8	83.1	35.4	23.5	19.3
130°	77.6	97.7	75.8	31.3	22.8	18.7
131°	70.2	90.0	69.1	27.5	22.3	18.2
132°	63.2	82.5	62.3	24.2	21.7	17.7



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	45.1	61.2	44.8	21.1	20.3	16.7
136°	39.3	55.1	39.3	20.8	19.7	16.4
137°	34.0	48.9	34.1	20.3	19.3	16.1
138°	28.7	43.1	29.3	19.7	18.8	15.9
139°	23.7	37.2	24.7	19.1	18.2	15.6
140°	19.1	31.9	20.8	18.7	17.7	15.2
141°	15.8	26.8	18.8	18.2	17.3	14.7
142°	14.9	22.2	18.5	17.9	17.0	14.7
143°	14.5	19.0	17.9	17.5	16.5	14.7
144°	13.8	18.0	17.6	17.1	16.2	14.4
145°	13.7	17.5	17.4	16.4	15.7	13.9
146°	13.2	17.1	16.9	16.2	15.5	13.7
147°	13.2	16.8	16.6	15.4	15.2	13.7
148°	13.0	16.3	16.3	15.2	14.8	13.2
149°	12.7	16.1	16.1	14.9	14.6	13.1
150°	12.5	15.6	15.9	14.7	14.2	12.9
151°	11.7	15.3	15.6	14.5	14.2	12.6
152°	11.3	14.9	15.2	14.2	13.7	12.5
153°	10.8	14.6	14.9	14.0	13.3	12.4
154°	10.3	14.4	14.9	14.0	13.4	12.5
155°	10.5	14.1	14.6	14.0	13.4	12.5
156°	10.6	13.9	14.2	14.0	13.4	12.6
157°	10.7	13.8	14.2	14.0	13.4	12.7
158°	10.8	13.7	14.1	14.0	13.4	12.7
159°	10.9	13.5	14.0	14.0	13.5	12.8
160°	11.1	13.4	14.0	14.0	13.5	12.9
161°	11.2	13.2	13.9	14.0	13.7	12.9
162°	11.3	13.0	13.7	14.0	14.0	13.1
163°	11.6	12.9	13.6	14.0	14.5	13.2
164°	11.8	12.9	13.5	14.0	15.2	13.4
165°	12.1	12.7	13.5	14.0	15.3	14.0
166°	12.5	12.5	13.5	14.0	15.8	14.4
167°	12.6	12.5	13.5	14.1	16.5	14.9
168°	12.8	12.4	13.5	14.1	16.8	15.4
169°	13.0	12.5	13.5	14.1	17.7	15.4
170°	13.2	12.4	13.5	14.2	18.0	15.5
171°	13.3	12.4	13.5	14.3	18.2	15.5
172°	14.0	12.3	13.4	15.2	18.3	15.5
173°	14.7	12.3	13.4	15.7	18.3	15.6
174°	15.0	12.3	13.4	15.9	18.5	15.6
175°	14.8	12.2	13.4	16.2	18.3	15.7
176°	14.8	12.2	13.4	16.4	18.3	15.7
177°	14.8	12.2	13.4	16.5	18.3	15.7



TEST NUMBER: P861205

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 5000K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	15.7	15.7	15.7	15.7	15.7	15.7



Report Generated By 670246072 / DESKTOP-50001EG







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







43°	2163.1	2241.0	2355.3	2465.3	2507.0	2455.9	2336.1	2206.3	2136.8	2164.6	2234.3
44°	2117.0	2200.7	2317.9	2428.7	2475.1	2423.7	2303.5	2165.0	2090.7	2121.6	2197.1



88°	64.6	271.7	520.8	699.9	777.6	697.4	493.0	238.4	56.4	213.4	413.4
89°	49.5	250.3	495.0	671.7	746.0	666.1	466.7	217.5	44.4	197.4	397.6



133°	17.4	21.9	38.9	87.1	107.5	83.0	31.1	18.0	15.0	17.3	19.4
134°	17.1	21.3	34.0	79.3	99.2	75.4	26.6	17.8	14.6	16.8	16.8



178°	15.7	16.8	14.8	12.8	12.7	12.7	13.3	16.2	18.6	15.8	17.5
179°	15.7	16.8	14.8	12.8	12.7	13.0	13.3	16.2	18.6	15.8	17.0







43°	2330.0	2363.6	2348.8	2262.6	2167.3	2163.1
44°	2295.6	2330.0	2310.4	2219.0	2126.6	2117.0



88°	571.7	607.4	558.3	402.9	199.6	64.6
89°	554.3	589.6	540.3	385.4	182.5	49.5



133°	56.8	75.3	56.5	22.4	21.3	17.4
134°	51.1	67.8	50.6	21.6	20.6	17.1



178°	14.8	12.0	13.4	16.4	18.3	15.7
179°	14.8	12.9	13.4	16.4	18.7	15.7



(END OF REPORT)