

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: P861201

Luminaire Tested: **8APVTLD-SL3C3 HI POWER 3500K 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: P861201  
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: 8APVTLTD-SL3C3 HI POWER 3500K 120V  
Description: HI POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER  
Luminaire Equipment: Sample No.   Condition   Description

**Summary**

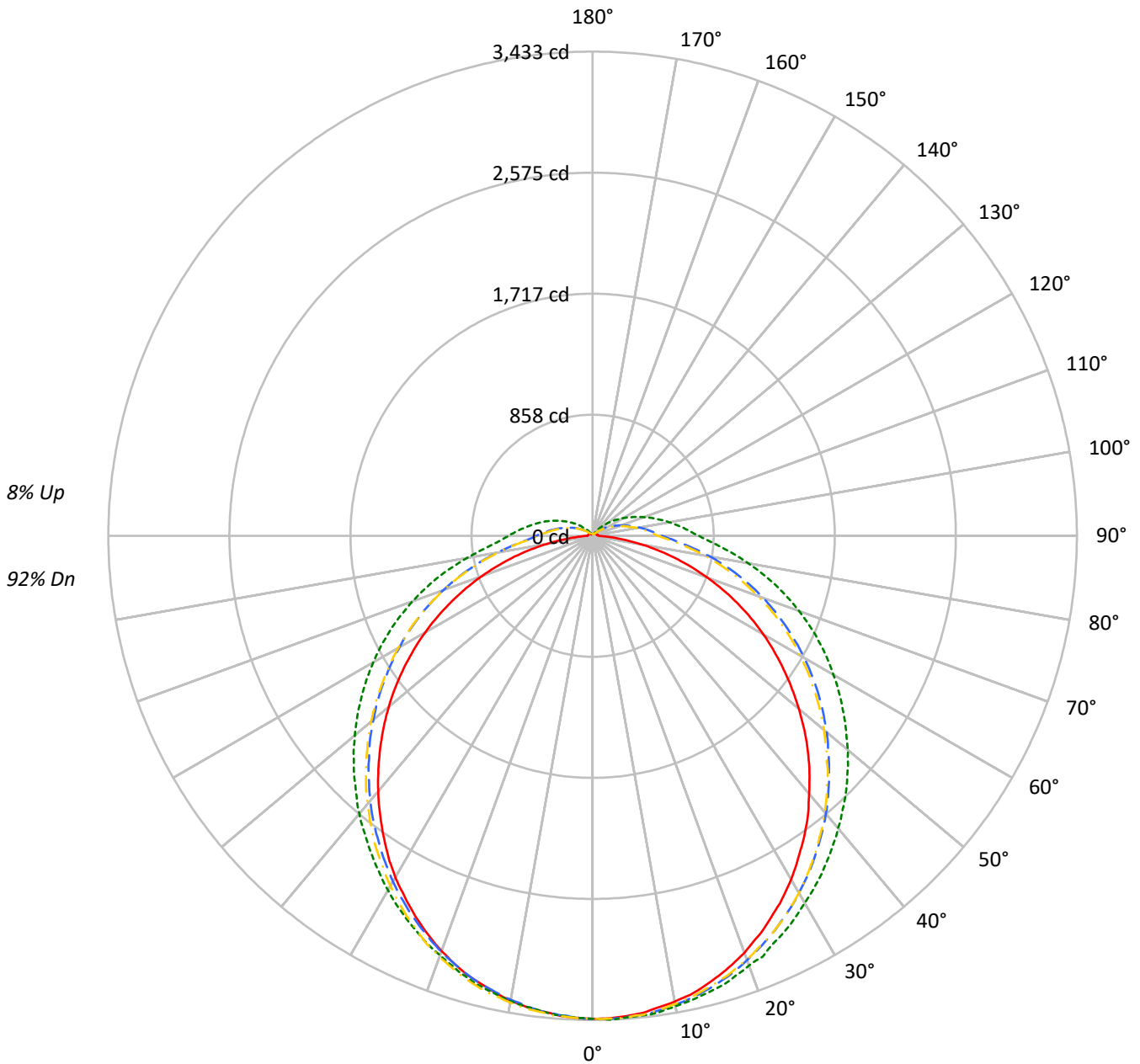
Lumens per Lamp: N/A  
Luminaire Lumens: 11664.1 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 94.2  
Input Voltage (V): 120  
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: 25 FT

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### 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	92			
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	79	76	74			
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	60			
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50			
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42			
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36			
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32			
7	62	48	39	33	60	47	38	32	45	37	32	42	36	31	40	35	30	28			
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	25			
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	22			
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	13823	13823	13823	13823
5°	13792	13566	13759	13492
10°	13722	13299	13697	13148
15°	13617	13041	13563	12827
20°	13466	12765	13407	12463
25°	13247	12521	13188	12142
30°	13037	12247	12958	11820
35°	12776	12016	12658	11494
40°	12478	11791	12353	11206
45°	12195	11613	12026	10920
50°	11841	11431	11696	10644
55°	11459	11239	11323	10382
60°	11084	11100	10874	10116
65°	10577	10985	10309	9834
70°	9907	10886	9601	9501
75°	9000	10806	8606	9129
80°	7678	10769	7179	8680
85°	6034	10962	5417	8534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.9	2.8
10°-20°	926.0	7.9
20°-30°	1401.0	12.0
30°-40°	1693.0	14.5
40°-50°	1782.1	15.3
50°-60°	1673.8	14.4
60°-70°	1396.5	12.0
70°-80°	997.2	8.5
80°-90°	587.7	5.0
90°-100°	367.8	3.2
100°-110°	242.6	2.1
110°-120°	144.1	1.2
120°-130°	74.7	0.6
130°-140°	30.3	0.3
140°-150°	11.1	0.1
150°-160°	6.5	0.1
160°-170°	4.1	0.0
170°-180°	1.5	0.0
0°-30°	2651.0	22.7
0°-40°	4344.0	37.2
0°-60°	7800.0	66.9
0°-90°	10781.4	92.4
90°-120°	754.4	6.5
90°-150°	870.6	7.5
90°-180°	883.0	7.6
0°-180°	11664.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3425	3425	3425	3425	3425	
5°	3407	3421	3399	3403	3407	323
15°	3268	3330	3255	3275	3268	921
25°	2989	3139	2976	3044	2989	1378
35°	2612	2865	2588	2741	2612	1633
45°	2158	2543	2129	2391	2158	1663
55°	1652	2167	1633	2002	1652	1479
65°	1132	1767	1104	1582	1132	1120
75°	600	1339	573	1132	600	634
85°	146	913	131	711	146	162
90°	43	752	40	596	43	27
95°	38	644	34	512	38	30
105°	32	467	30	374	32	34
115°	27	313	26	248	27	27
125°	22	191	21	146	22	20
135°	17	95	15	64	17	14
145°	14	24	12	18	14	9
155°	13	14	11	15	13	6
165°	15	13	16	13	15	4
175°	16	13	19	13	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°	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6
1°	3424.4	3430.0	3424.6	3425.8	3427.8	3427.2	3427.4	3424.4	3422.8	3423.8	3424.0
2°	3422.8	3427.8	3427.6	3427.8	3433.2	3426.2	3425.4	3423.4	3419.8	3419.6	3417.4
3°	3418.2	3426.6	3425.0	3421.6	3430.0	3425.0	3426.8	3419.4	3416.2	3414.0	3409.2
4°	3413.4	3426.0	3420.0	3420.6	3423.4	3419.6	3424.2	3411.0	3410.6	3409.0	3406.2
5°	3407.0	3421.8	3416.4	3413.8	3421.2	3416.6	3416.0	3408.0	3398.8	3405.6	3394.6
6°	3401.2	3412.8	3413.0	3412.6	3418.8	3411.8	3416.0	3402.2	3391.8	3395.0	3393.0
7°	3387.6	3404.0	3408.6	3405.0	3418.0	3404.6	3403.8	3391.4	3384.2	3385.2	3382.4
8°	3376.0	3395.2	3397.0	3402.8	3410.2	3400.0	3396.0	3381.4	3373.0	3374.0	3366.4
9°	3366.2	3376.8	3387.4	3393.4	3397.2	3393.2	3382.6	3373.8	3359.8	3361.6	3352.4
10°	3354.0	3361.2	3375.0	3384.6	3387.6	3382.2	3370.8	3355.6	3347.8	3345.0	3340.6
11°	3338.8	3355.0	3365.2	3373.0	3377.0	3372.0	3359.0	3345.2	3331.8	3327.4	3325.2
12°	3327.6	3336.8	3351.4	3362.4	3367.6	3358.6	3345.0	3326.8	3312.2	3308.4	3307.6
13°	3310.2	3321.0	3338.2	3350.0	3354.8	3345.2	3329.8	3306.6	3291.8	3286.0	3291.0
14°	3288.0	3300.0	3322.0	3335.4	3342.0	3334.0	3312.4	3289.0	3273.9	3263.1	3274.9
15°	3267.7	3283.2	3306.4	3322.4	3329.8	3314.6	3296.8	3269.5	3254.7	3246.3	3254.5
16°	3244.3	3263.3	3287.4	3304.6	3318.8	3297.2	3277.4	3249.3	3236.7	3223.3	3234.1
17°	3221.7	3242.3	3269.3	3288.4	3302.2	3284.2	3261.1	3221.1	3212.3	3199.5	3211.3
18°	3197.3	3224.7	3249.5	3269.3	3280.0	3266.1	3239.3	3200.3	3185.5	3175.9	3187.9
19°	3171.3	3194.9	3225.9	3250.9	3262.7	3248.9	3215.9	3173.1	3158.3	3151.5	3163.1
20°	3146.7	3168.1	3201.7	3232.3	3242.1	3226.5	3197.3	3151.7	3133.1	3127.3	3139.7
21°	3113.9	3140.9	3178.5	3214.9	3227.5	3206.3	3174.3	3127.9	3104.1	3096.1	3110.5
22°	3084.3	3118.9	3153.3	3190.1	3218.5	3189.1	3146.5	3102.5	3071.1	3065.5	3084.1
23°	3056.7	3086.5	3128.1	3163.9	3185.5	3164.3	3124.5	3064.3	3040.5	3034.7	3053.1
24°	3024.3	3056.3	3101.5	3145.3	3160.5	3138.3	3100.5	3040.1	3007.7	3005.7	3024.5
25°	2988.9	3028.3	3076.1	3120.1	3139.1	3115.5	3073.7	3011.1	2975.5	2973.5	2993.3
26°	2955.3	2997.1	3045.1	3098.3	3115.7	3089.9	3047.5	2977.9	2940.1	2937.9	2964.7
27°	2924.5	2966.7	3016.3	3067.9	3091.3	3064.3	3018.9	2943.1	2905.7	2903.7	2930.9
28°	2887.5	2928.1	2987.7	3043.7	3063.1	3039.5	2986.5	2905.9	2866.7	2866.3	2898.9
29°	2850.7	2895.3	2958.5	3016.3	3034.9	3012.9	2955.5	2870.5	2833.9	2831.7	2865.5
30°	2813.9	2861.7	2924.9	2988.3	3006.9	2979.5	2925.1	2837.3	2796.9	2793.3	2830.3
31°	2773.7	2824.9	2892.9	2959.1	2981.3	2955.3	2890.3	2796.1	2755.5	2756.7	2794.7
32°	2733.1	2789.5	2860.3	2928.5	2954.9	2923.7	2855.3	2759.9	2717.9	2720.7	2757.5
33°	2691.3	2745.3	2828.7	2897.5	2925.3	2896.1	2820.5	2722.3	2675.3	2683.5	2722.5
34°	2652.3	2709.1	2791.9	2866.3	2898.3	2867.7	2785.7	2684.7	2631.1	2639.5	2683.5
35°	2611.7	2670.1	2755.5	2835.1	2865.3	2832.5	2750.9	2642.5	2587.5	2596.3	2643.9
36°	2570.1	2631.1	2721.3	2803.7	2834.9	2798.1	2710.5	2599.9	2543.9	2555.5	2609.3
37°	2528.5	2591.5	2683.3	2771.3	2805.5	2767.7	2675.1	2561.5	2500.3	2515.1	2572.1
38°	2482.7	2547.5	2648.9	2737.3	2771.7	2730.3	2639.5	2516.7	2456.3	2474.5	2534.1
39°	2433.9	2503.9	2610.5	2703.5	2743.3	2693.7	2596.7	2475.1	2411.1	2432.9	2494.3
40°	2388.7	2460.5	2573.1	2670.7	2707.1	2663.3	2559.5	2433.3	2364.9	2386.9	2451.3
41°	2342.1	2422.1	2534.7	2639.1	2679.3	2628.7	2521.1	2386.7	2319.3	2346.3	2410.9
42°	2298.1	2376.9	2492.3	2604.1	2641.3	2592.1	2480.5	2344.1	2271.7	2299.3	2368.3



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CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2158.5	2248.5	2370.3	2495.3	2542.9	2487.9	2359.1	2206.9	2128.7	2161.5	2240.5
46°	2109.3	2202.1	2329.3	2457.7	2507.9	2452.9	2306.7	2162.9	2080.7	2114.5	2202.1
47°	2059.1	2152.3	2289.5	2418.5	2468.3	2413.1	2271.9	2114.7	2032.3	2066.5	2161.7
48°	2009.3	2108.9	2245.7	2384.5	2436.3	2374.5	2223.7	2069.7	1984.2	2019.9	2117.9
49°	1959.1	2059.5	2208.1	2348.5	2395.5	2336.9	2183.1	2021.5	1936.2	1969.7	2074.1
50°	1909.1	2012.7	2167.3	2305.9	2362.7	2296.1	2140.3	1975.1	1885.7	1921.2	2028.1
51°	1858.3	1963.1	2122.5	2269.5	2320.7	2255.3	2094.5	1927.0	1837.2	1874.0	1983.7
52°	1807.3	1918.9	2080.3	2235.1	2282.7	2214.3	2050.7	1878.0	1786.5	1822.6	1944.0
53°	1756.1	1869.8	2039.7	2195.7	2245.9	2175.9	2009.5	1828.9	1734.5	1775.8	1898.0
54°	1704.5	1819.7	1995.2	2154.5	2207.7	2136.7	1966.3	1782.3	1683.1	1727.3	1853.4
55°	1652.5	1772.3	1953.4	2115.3	2167.3	2097.9	1921.5	1733.4	1632.9	1678.3	1806.8
56°	1602.0	1721.2	1909.8	2077.1	2129.5	2056.5	1873.9	1681.2	1580.2	1627.0	1761.6
57°	1551.1	1672.9	1865.5	2034.7	2091.7	2018.1	1835.1	1630.9	1527.6	1578.1	1717.8
58°	1501.4	1623.6	1821.4	1994.5	2051.5	1974.4	1789.7	1581.0	1475.5	1528.3	1672.3
59°	1450.6	1575.1	1777.2	1952.3	2013.3	1934.4	1741.5	1533.6	1423.8	1478.1	1627.7
60°	1397.7	1524.3	1733.1	1911.8	1970.3	1890.4	1696.9	1482.2	1371.3	1430.3	1579.6
61°	1343.9	1476.9	1686.6	1869.7	1932.5	1848.6	1656.1	1433.9	1317.8	1379.6	1538.4
62°	1292.5	1426.5	1645.3	1826.8	1892.1	1808.5	1611.7	1384.8	1264.8	1328.9	1492.7
63°	1239.7	1377.7	1596.0	1786.0	1851.0	1765.5	1563.5	1336.1	1210.1	1279.2	1445.9
64°	1185.5	1329.8	1552.5	1742.6	1812.0	1722.9	1520.9	1284.6	1157.9	1229.0	1400.0
65°	1132.2	1279.8	1508.1	1702.5	1766.7	1677.3	1474.9	1235.1	1103.5	1178.9	1351.8
66°	1079.2	1229.9	1462.8	1659.6	1729.4	1635.4	1429.8	1187.0	1050.8	1128.5	1308.8
67°	1025.1	1181.8	1418.4	1613.9	1684.5	1592.7	1383.7	1137.4	997.5	1079.8	1263.0
68°	971.4	1131.2	1373.7	1571.0	1643.6	1549.1	1338.3	1088.3	943.2	1031.0	1216.4
69°	917.6	1084.5	1329.2	1526.4	1598.5	1506.0	1292.9	1038.0	889.9	982.0	1171.0
70°	863.5	1035.3	1285.6	1484.3	1555.9	1461.5	1247.0	989.5	836.8	932.9	1125.1
71°	809.4	985.6	1239.1	1438.1	1511.6	1418.4	1201.6	942.7	780.8	883.9	1077.9
72°	757.1	937.1	1199.1	1395.5	1468.4	1373.6	1155.6	895.0	729.6	835.8	1034.9
73°	705.5	889.8	1151.9	1349.7	1426.2	1331.3	1111.1	846.2	678.1	787.7	990.2
74°	651.3	841.6	1109.3	1301.8	1380.9	1285.7	1065.0	798.5	625.3	741.1	944.0
75°	599.5	795.4	1063.0	1258.5	1339.4	1243.3	1021.6	751.2	573.3	694.1	899.1
76°	546.4	747.6	1018.5	1214.3	1293.9	1198.2	977.8	704.4	521.9	648.7	853.2
77°	495.8	703.3	974.2	1171.2	1249.7	1155.6	934.2	658.3	471.1	603.7	809.6
78°	445.2	658.2	929.6	1127.2	1205.3	1111.1	888.8	612.6	420.9	560.8	767.2
79°	397.3	614.5	887.1	1084.6	1163.4	1069.3	848.6	571.0	373.5	516.7	726.9
80°	349.8	570.9	842.2	1040.3	1120.1	1025.8	803.5	527.1	327.1	475.7	684.0
81°	304.4	528.0	799.9	999.6	1076.7	985.3	763.3	486.0	283.3	435.6	644.5
82°	260.2	489.4	759.1	957.7	1034.5	945.2	721.3	444.0	239.7	397.5	606.5
83°	219.8	449.4	716.9	917.2	993.8	903.6	682.6	407.2	200.2	361.9	571.2
84°	181.3	412.8	677.0	876.3	952.7	865.5	643.2	369.3	164.2	328.1	536.9
85°	145.8	377.1	639.9	836.4	913.0	827.9	608.5	335.4	130.9	295.9	505.0
86°	113.8	341.7	604.4	799.0	878.2	793.2	576.0	303.5	101.3	267.2	476.3
87°	87.7	309.8	572.1	762.2	840.3	757.9	542.7	274.4	76.0	240.9	450.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	43.4	241.3	492.4	672.3	752.1	670.0	464.2	209.8	40.1	193.9	400.2
91°	41.3	225.7	471.8	649.6	724.0	645.6	445.9	196.1	38.5	183.0	384.8
92°	40.3	213.6	453.9	630.6	704.2	626.6	429.7	185.5	37.5	172.3	370.8
93°	39.0	200.9	438.0	612.8	683.9	607.5	414.7	174.8	36.4	162.3	357.0
94°	38.4	190.0	422.9	593.2	663.7	589.0	399.8	164.4	35.5	153.3	343.3
95°	37.6	179.5	408.6	576.0	644.5	571.0	386.0	154.0	34.3	144.7	329.5
96°	36.9	169.3	392.5	558.9	624.0	553.4	370.9	144.9	33.6	135.8	316.7
97°	36.1	159.7	377.4	541.6	605.9	536.0	357.3	135.8	33.1	127.6	304.2
98°	35.6	150.1	362.9	524.8	587.5	518.5	343.8	127.5	32.2	119.7	292.1
99°	35.0	142.0	349.6	508.4	569.3	501.0	330.1	119.6	31.5	112.0	281.1
100°	34.5	134.1	334.2	491.8	551.5	484.6	317.1	112.7	31.4	105.0	269.2
101°	34.0	126.5	320.8	476.1	533.9	468.2	303.9	105.1	31.1	98.5	258.4
102°	33.5	118.9	307.7	459.6	516.6	452.4	290.5	98.2	30.9	92.0	246.2
103°	33.1	111.7	295.4	442.2	499.2	437.5	278.9	91.9	30.6	86.3	236.0
104°	32.6	105.3	283.2	425.8	481.1	421.5	265.1	85.8	30.4	80.8	225.1
105°	31.7	98.9	271.5	411.6	466.6	406.6	254.6	80.0	30.1	75.3	215.2
106°	31.5	92.5	259.4	396.0	449.2	390.8	242.3	74.5	30.1	69.9	205.8
107°	31.4	87.1	247.8	380.0	433.9	376.0	232.1	69.5	29.1	64.7	196.0
108°	30.7	81.1	237.3	366.5	416.5	360.9	220.3	64.2	28.7	59.7	186.1
109°	30.0	75.8	226.1	351.8	402.9	347.2	211.0	59.5	28.4	55.6	177.1
110°	29.5	70.6	215.8	337.8	385.7	332.2	199.9	55.3	28.2	51.2	167.9
111°	29.1	65.4	205.5	324.4	372.0	319.6	190.1	50.7	28.2	47.1	159.5
112°	28.8	60.8	195.5	310.2	356.5	306.3	180.1	46.4	27.4	43.0	151.0
113°	28.4	56.8	185.8	297.3	341.4	293.3	171.1	42.7	27.4	39.5	142.7
114°	27.7	52.3	176.1	284.4	328.5	280.2	161.9	38.9	27.2	36.1	134.7
115°	27.0	48.2	167.1	271.8	313.3	267.0	153.4	35.6	26.1	32.7	126.8
116°	26.7	44.5	158.1	258.8	300.9	254.8	144.6	32.2	25.8	29.8	118.7
117°	26.3	40.5	149.3	247.1	286.4	243.5	136.5	29.7	25.4	27.3	111.9
118°	25.8	37.3	140.9	236.2	274.0	231.8	128.1	26.9	25.1	24.8	104.3
119°	25.3	34.0	133.1	224.5	261.1	220.2	120.2	25.2	24.6	24.8	97.5
120°	24.9	31.2	124.8	213.1	249.6	209.4	112.5	25.0	24.4	24.4	90.4
121°	24.2	29.3	117.3	202.4	236.9	197.6	104.7	24.3	24.0	23.2	83.2
122°	23.7	28.6	109.7	191.5	226.2	187.3	97.7	24.1	23.0	22.9	77.2
123°	22.8	28.1	102.4	181.9	212.5	176.8	90.2	23.8	22.1	22.3	70.6
124°	22.0	27.8	95.0	171.3	202.7	166.3	83.5	22.8	21.6	21.8	64.3
125°	21.6	27.1	87.8	161.1	190.8	156.3	76.5	22.6	21.1	21.6	58.6
126°	21.1	26.5	81.3	151.9	180.6	146.8	70.1	21.9	20.4	21.6	53.1
127°	20.7	26.0	74.5	142.1	169.8	137.6	63.8	21.7	19.9	21.1	48.1
128°	20.4	25.3	68.2	133.2	160.2	128.9	58.1	21.9	19.0	20.6	42.6
129°	20.1	24.6	61.8	124.4	149.5	119.0	52.5	20.8	18.5	19.7	37.5
130°	19.5	24.3	56.4	115.2	141.0	111.1	47.3	20.3	17.6	19.4	33.0
131°	19.0	23.7	50.8	106.8	130.2	102.4	41.7	19.6	17.1	19.0	28.1
132°	18.5	23.2	45.3	98.1	122.2	94.7	37.0	19.3	16.4	18.5	24.1





TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	17.4	21.8	31.0	75.1	94.7	71.6	23.9	17.9	14.6	16.9	16.8
136°	17.1	21.5	26.7	67.9	86.2	64.1	20.2	17.5	14.3	16.4	16.1
137°	16.7	20.8	23.5	60.9	78.0	57.5	19.0	17.0	13.9	16.2	15.8
138°	16.6	20.4	22.2	54.8	70.0	51.6	17.9	16.8	13.8	16.2	15.1
139°	16.2	19.9	21.7	48.1	62.6	45.3	17.2	16.1	13.6	15.9	14.5
140°	15.9	19.5	21.0	42.4	55.8	39.4	16.9	15.8	13.8	15.2	13.8
141°	15.4	18.9	20.7	36.6	48.7	33.9	16.3	15.8	13.2	14.5	13.7
142°	15.3	18.7	20.1	31.3	42.1	28.7	16.0	14.9	12.9	14.1	13.3
143°	15.3	18.2	19.6	26.3	36.1	23.9	15.5	14.4	12.4	14.0	12.6
144°	15.0	18.0	19.3	22.1	29.8	19.9	14.8	14.1	11.7	13.8	12.4
145°	14.5	17.5	18.7	20.7	24.2	17.5	14.4	13.9	11.5	13.8	12.1
146°	14.3	16.9	18.4	20.0	19.5	17.0	14.2	13.5	11.5	13.7	11.9
147°	14.3	16.6	18.0	19.7	17.1	16.6	14.2	13.7	11.5	13.7	11.9
148°	13.8	16.2	17.7	19.3	16.6	16.6	13.9	13.5	11.5	13.6	11.8
149°	13.6	15.7	17.2	19.0	16.2	16.4	13.9	13.2	11.4	13.6	11.8
150°	13.4	15.5	16.8	18.3	16.2	16.4	13.7	13.2	11.4	13.5	11.8
151°	13.1	15.2	16.6	18.1	15.7	16.1	13.5	13.3	11.4	13.4	11.8
152°	13.1	15.2	16.5	17.9	15.2	15.2	13.5	13.4	11.4	13.4	11.8
153°	12.9	14.7	16.4	17.6	14.5	14.8	13.5	13.5	11.4	13.4	11.8
154°	13.0	14.7	16.3	17.2	14.3	14.5	13.5	13.6	11.4	13.4	11.8
155°	13.0	14.7	16.2	17.0	13.6	14.3	13.5	13.8	11.3	13.4	11.8
156°	13.1	14.7	16.1	16.9	13.6	13.8	13.5	13.9	11.3	13.4	11.8
157°	13.2	14.7	16.1	16.5	13.4	13.9	13.5	14.0	11.3	13.4	11.8
158°	13.3	14.7	16.1	16.7	13.4	13.6	13.5	14.1	11.7	13.4	11.7
159°	13.3	14.8	16.0	16.0	13.4	13.2	13.5	14.2	11.7	13.6	11.7
160°	13.4	14.8	16.0	16.0	13.4	13.2	13.5	14.3	12.0	13.8	11.8
161°	13.4	14.9	16.0	16.2	13.3	13.2	13.6	14.4	12.7	14.1	12.6
162°	13.6	14.9	16.0	15.8	13.3	13.2	13.7	14.6	13.6	14.8	13.5
163°	13.8	15.0	16.0	15.6	13.3	13.2	13.8	15.1	14.5	15.2	14.2
164°	13.9	15.1	15.9	15.3	13.3	13.2	13.8	15.4	15.0	15.4	14.5
165°	14.6	15.1	15.9	15.5	13.3	13.2	13.9	15.8	15.5	15.5	15.1
166°	15.0	15.2	15.9	15.1	13.2	13.2	14.0	16.0	16.0	15.7	15.8
167°	15.5	15.9	15.9	15.1	13.2	13.2	14.1	16.3	16.7	16.1	16.3
168°	16.0	15.9	15.8	14.9	13.2	13.1	14.2	16.3	17.1	16.6	17.2
169°	16.1	16.2	15.8	14.9	13.2	13.1	14.1	16.3	17.6	16.6	17.7
170°	16.1	16.1	15.8	14.8	13.2	13.1	14.1	16.3	17.9	16.5	18.4
171°	16.1	16.4	15.8	14.6	13.2	13.1	14.1	16.3	18.0	16.5	19.1
172°	16.2	16.2	15.8	14.4	13.1	13.1	14.0	16.3	18.5	16.5	19.3
173°	16.2	16.8	15.7	13.9	13.1	13.1	14.0	16.7	18.7	16.5	19.3
174°	16.3	16.6	15.6	13.5	13.1	13.1	14.0	16.8	18.8	16.5	19.4
175°	16.3	16.9	15.6	13.5	13.1	13.1	13.9	16.8	19.0	16.4	19.3
176°	16.3	17.3	15.5	13.4	13.1	13.1	13.9	16.8	19.2	16.4	19.1
177°	16.4	17.5	15.4	13.4	13.1	13.1	13.9	16.8	19.3	16.4	18.7



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3424.6	3424.6	3424.6	3424.6	3424.6	3424.6
1°	3420.6	3420.2	3425.8	3424.4	3425.6	3424.4
2°	3414.2	3419.8	3423.8	3421.8	3422.8	3422.8
3°	3411.6	3411.2	3416.6	3416.2	3418.4	3418.2
4°	3404.8	3409.4	3413.0	3414.0	3411.0	3413.4
5°	3399.6	3402.6	3408.2	3412.4	3402.8	3407.0
6°	3390.2	3392.6	3397.6	3398.0	3394.6	3401.2
7°	3384.2	3380.2	3389.8	3391.0	3386.0	3387.6
8°	3372.4	3372.0	3380.4	3385.6	3375.8	3376.0
9°	3361.2	3363.0	3366.4	3374.2	3363.6	3366.2
10°	3344.0	3349.2	3353.4	3361.4	3347.2	3354.0
11°	3330.6	3338.2	3341.4	3347.6	3332.2	3338.8
12°	3320.2	3319.4	3332.6	3333.0	3314.2	3327.6
13°	3306.6	3306.8	3317.4	3322.4	3297.4	3310.2
14°	3287.4	3289.8	3301.2	3304.8	3278.0	3288.0
15°	3268.5	3275.1	3283.8	3286.6	3257.9	3267.7
16°	3246.3	3252.3	3265.5	3266.3	3236.3	3244.3
17°	3228.7	3233.3	3247.9	3246.7	3210.7	3221.7
18°	3204.1	3208.7	3224.5	3222.3	3192.7	3197.3
19°	3181.7	3187.5	3204.7	3198.1	3161.1	3171.3
20°	3159.5	3165.3	3177.7	3177.1	3138.5	3146.7
21°	3136.5	3144.5	3154.9	3146.3	3108.7	3113.9
22°	3109.3	3121.5	3130.5	3127.1	3080.3	3084.3
23°	3085.9	3096.9	3109.1	3094.9	3049.7	3056.7
24°	3056.3	3070.1	3083.3	3064.5	3021.7	3024.3
25°	3032.9	3044.1	3052.5	3030.7	2987.3	2988.9
26°	2998.9	3018.9	3020.1	3002.7	2951.7	2955.3
27°	2971.1	2989.7	2989.5	2969.7	2917.7	2924.5
28°	2942.7	2961.9	2965.5	2936.7	2879.3	2887.5
29°	2913.7	2933.5	2930.3	2903.1	2841.9	2850.7
30°	2880.7	2901.9	2901.1	2866.1	2806.9	2813.9
31°	2853.9	2871.7	2868.7	2832.1	2770.7	2773.7
32°	2816.1	2837.5	2834.1	2791.7	2733.9	2733.1
33°	2784.9	2806.5	2802.9	2755.1	2693.1	2691.3
34°	2752.3	2773.7	2767.9	2719.7	2652.5	2652.3
35°	2719.5	2740.9	2730.3	2684.5	2612.3	2611.7
36°	2680.7	2707.9	2696.3	2643.7	2570.3	2570.1
37°	2642.9	2673.1	2661.9	2604.5	2528.1	2528.5
38°	2609.3	2640.7	2628.5	2563.9	2485.1	2482.7
39°	2578.3	2609.7	2593.5	2519.9	2441.7	2433.9
40°	2546.3	2572.9	2555.1	2482.7	2395.5	2388.7
41°	2503.1	2540.1	2519.5	2441.7	2350.7	2342.1
42°	2467.9	2498.5	2484.3	2400.9	2305.9	2298.1



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2351.7	2391.3	2368.5	2269.7	2167.5	2158.5
46°	2316.3	2353.9	2327.9	2224.9	2115.3	2109.3
47°	2278.5	2316.1	2290.1	2182.3	2071.3	2059.1
48°	2239.3	2280.1	2248.1	2138.7	2022.9	2009.3
49°	2197.7	2239.1	2207.3	2095.1	1974.7	1959.1
50°	2158.5	2200.1	2163.7	2050.1	1927.3	1909.1
51°	2121.3	2161.5	2124.5	2002.9	1877.4	1858.3
52°	2074.9	2122.3	2081.9	1957.7	1826.2	1807.3
53°	2034.1	2084.3	2042.7	1913.6	1777.5	1756.1
54°	1993.6	2041.9	1997.2	1865.5	1727.8	1704.5
55°	1952.9	2001.9	1957.4	1820.7	1677.8	1652.5
56°	1910.0	1962.3	1914.2	1774.2	1630.1	1602.0
57°	1868.4	1921.8	1871.9	1728.2	1579.0	1551.1
58°	1824.0	1879.4	1827.5	1683.2	1528.4	1501.4
59°	1781.7	1838.7	1782.8	1638.6	1478.7	1450.6
60°	1735.3	1795.7	1740.9	1590.2	1428.4	1397.7
61°	1690.9	1753.8	1695.6	1545.4	1377.0	1343.9
62°	1646.4	1711.9	1650.7	1495.7	1329.4	1292.5
63°	1602.7	1668.7	1605.6	1451.8	1280.1	1239.7
64°	1559.5	1625.2	1561.4	1403.9	1229.1	1185.5
65°	1512.8	1581.6	1517.7	1355.8	1179.2	1132.2
66°	1471.6	1537.3	1471.0	1308.4	1129.5	1079.2
67°	1425.9	1494.6	1425.0	1263.5	1080.2	1025.1
68°	1383.0	1445.3	1382.7	1215.5	1027.9	971.4
69°	1339.3	1402.7	1336.5	1169.0	978.4	917.6
70°	1293.9	1358.0	1292.4	1123.6	931.4	863.5
71°	1248.6	1311.8	1246.9	1075.8	879.9	809.4
72°	1206.3	1268.9	1203.3	1030.9	831.9	757.1
73°	1161.0	1220.8	1156.2	983.1	783.1	705.5
74°	1114.4	1177.8	1112.1	936.7	736.9	651.3
75°	1070.2	1131.5	1068.0	891.7	688.6	599.5
76°	1022.7	1084.8	1024.3	846.5	641.1	546.4
77°	978.4	1037.6	980.5	802.6	596.4	495.8
78°	936.4	990.6	935.0	761.3	551.0	445.2
79°	894.5	946.9	893.0	718.2	508.5	397.3
80°	854.5	902.8	850.7	677.9	466.2	349.8
81°	814.5	859.7	808.7	638.8	425.8	304.4
82°	776.3	819.3	770.1	600.2	387.6	260.2
83°	740.6	781.4	730.2	564.5	351.0	219.8
84°	706.1	745.2	693.8	528.5	315.9	181.3
85°	673.8	710.8	659.9	496.1	282.2	145.8
86°	644.8	682.2	630.1	468.0	253.9	113.8
87°	617.1	655.7	603.8	441.2	228.3	87.7



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	560.8	596.5	545.2	385.3	176.7	43.4
91°	543.7	578.8	527.9	371.5	166.3	41.3
92°	528.0	561.2	510.7	357.9	155.6	40.3
93°	511.3	544.3	495.0	343.8	146.8	39.0
94°	495.3	527.8	479.1	329.3	138.7	38.4
95°	478.2	511.8	463.6	316.2	130.4	37.6
96°	462.9	497.4	449.3	304.0	121.8	36.9
97°	446.7	481.8	434.6	292.8	114.5	36.1
98°	432.3	467.4	420.2	281.6	107.5	35.6
99°	417.0	453.3	405.9	270.6	100.6	35.0
100°	402.6	439.4	391.6	259.3	94.5	34.5
101°	389.2	424.8	377.6	247.5	88.8	34.0
102°	373.8	412.7	364.3	237.3	83.2	33.5
103°	360.7	399.0	352.1	227.3	77.6	33.1
104°	346.1	386.3	340.2	216.7	72.5	32.6
105°	332.9	373.5	328.5	206.8	67.7	31.7
106°	320.3	361.1	316.0	196.5	62.8	31.5
107°	307.4	348.4	302.8	187.2	58.6	31.4
108°	294.8	335.2	289.8	177.5	55.1	30.7
109°	282.8	321.9	278.2	168.8	51.2	30.0
110°	269.6	309.5	266.5	160.4	47.3	29.5
111°	258.6	297.2	254.8	152.0	44.2	29.1
112°	247.1	284.3	243.7	144.0	40.5	28.8
113°	236.3	272.7	233.0	136.0	37.6	28.4
114°	225.4	260.1	222.3	128.4	35.0	27.7
115°	214.9	248.3	211.9	120.7	32.4	27.0
116°	204.1	237.3	201.6	113.7	30.7	26.7
117°	194.8	226.3	190.8	106.3	30.2	26.3
118°	184.0	215.8	180.8	99.5	29.7	25.8
119°	174.1	204.9	171.2	92.8	29.3	25.3
120°	164.8	194.4	161.8	86.2	28.8	24.9
121°	154.7	184.2	152.8	80.0	28.3	24.2
122°	146.3	174.3	143.9	73.8	28.1	23.7
123°	137.0	164.6	134.8	67.9	27.4	22.8
124°	128.7	154.9	126.3	61.9	27.1	22.0
125°	120.6	145.8	118.2	56.9	26.7	21.6
126°	111.7	136.7	109.9	51.5	26.0	21.1
127°	103.6	127.8	101.8	46.3	25.7	20.7
128°	95.9	118.9	94.2	41.5	25.0	20.4
129°	87.5	110.2	86.6	36.9	24.5	20.1
130°	80.9	101.7	78.9	32.6	23.8	19.5
131°	73.1	93.8	71.9	28.6	23.2	19.0
132°	65.8	85.9	64.8	25.2	22.5	18.5



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	47.0	63.8	46.7	22.0	21.1	17.4
136°	40.9	57.4	40.9	21.6	20.5	17.1
137°	35.4	50.9	35.6	21.1	20.1	16.7
138°	29.9	44.8	30.6	20.6	19.6	16.6
139°	24.7	38.8	25.7	19.9	18.9	16.2
140°	19.9	33.3	21.7	19.5	18.4	15.9
141°	16.4	27.9	19.6	19.0	18.0	15.4
142°	15.5	23.2	19.2	18.6	17.7	15.3
143°	15.1	19.8	18.7	18.3	17.2	15.3
144°	14.4	18.7	18.3	17.8	16.8	15.0
145°	14.2	18.2	18.2	17.0	16.3	14.5
146°	13.7	17.8	17.6	16.9	16.1	14.3
147°	13.7	17.5	17.3	16.0	15.8	14.3
148°	13.5	17.0	16.9	15.8	15.4	13.8
149°	13.2	16.8	16.8	15.5	15.3	13.6
150°	13.0	16.2	16.6	15.3	14.7	13.4
151°	12.1	15.9	16.2	15.1	14.7	13.1
152°	11.8	15.5	15.9	14.8	14.2	13.1
153°	11.2	15.2	15.5	14.6	13.9	12.9
154°	10.7	15.0	15.5	14.6	13.9	13.0
155°	10.9	14.6	15.2	14.6	13.9	13.0
156°	11.0	14.5	14.8	14.6	14.0	13.1
157°	11.1	14.4	14.7	14.6	14.0	13.2
158°	11.3	14.2	14.7	14.6	14.0	13.3
159°	11.4	14.1	14.6	14.6	14.0	13.3
160°	11.5	13.9	14.5	14.6	14.1	13.4
161°	11.6	13.8	14.5	14.6	14.2	13.4
162°	11.8	13.6	14.3	14.6	14.6	13.6
163°	12.1	13.4	14.1	14.6	15.1	13.8
164°	12.3	13.4	14.1	14.6	15.8	13.9
165°	12.7	13.2	14.1	14.6	16.0	14.6
166°	13.0	13.1	14.1	14.6	16.5	15.0
167°	13.2	13.1	14.1	14.7	17.2	15.5
168°	13.3	12.9	14.0	14.7	17.5	16.0
169°	13.5	13.1	14.0	14.7	18.4	16.1
170°	13.7	12.9	14.0	14.8	18.7	16.1
171°	13.9	12.9	14.0	14.9	18.9	16.1
172°	14.6	12.8	14.0	15.8	19.1	16.2
173°	15.3	12.8	14.0	16.3	19.1	16.2
174°	15.6	12.8	14.0	16.5	19.3	16.3
175°	15.5	12.8	14.0	16.9	19.1	16.3
176°	15.5	12.7	13.9	17.0	19.1	16.3
177°	15.5	12.7	13.9	17.2	19.1	16.4



TEST NUMBER: P861201

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 3500K 120V

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	16.4	16.4	16.4	16.4	16.4	16.4



Report Generated By 670246072 / DESKTOP-50001EG







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







43°	2252.7	2333.9	2452.9	2567.5	2610.9	2557.7	2432.9	2297.7	2225.3	2254.3	2326.9
44°	2204.7	2291.9	2413.9	2529.3	2577.7	2524.1	2398.9	2254.7	2177.3	2209.5	2288.1



88°	67.3	282.9	542.4	728.9	809.8	726.3	513.5	248.3	58.8	222.2	430.5
89°	51.6	260.7	515.5	699.5	776.9	693.7	486.1	226.5	46.2	205.5	414.1



133°	18.1	22.9	40.5	90.7	111.9	86.5	32.4	18.7	15.7	18.0	20.2
134°	17.8	22.2	35.4	82.6	103.3	78.5	27.8	18.6	15.2	17.5	17.5



178°	16.4	17.5	15.4	13.4	13.2	13.9	16.8	19.3	16.4	18.2
179°	16.4	17.5	15.4	13.4	13.6	13.9	16.8	19.3	16.4	17.7







43°	2426.5	2461.5	2446.1	2356.3	2257.1	2252.7
44°	2390.7	2426.5	2406.1	2310.9	2214.7	2204.7



88°	595.4	632.6	581.4	419.6	207.9	67.3
89°	577.3	614.0	562.7	401.4	190.0	51.6



133°	59.2	78.4	58.8	23.4	22.2	18.1
134°	53.2	70.6	52.7	22.5	21.5	17.8



178°	15.5	12.5	13.9	17.0	19.1	16.4
179°	15.5	13.4	13.9	17.0	19.4	16.4



(END OF REPORT)