

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: P861206

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

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: P861206
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 5000K 277V
Description: HI POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER
Luminaire Equipment: Sample No. Condition Description

Summary

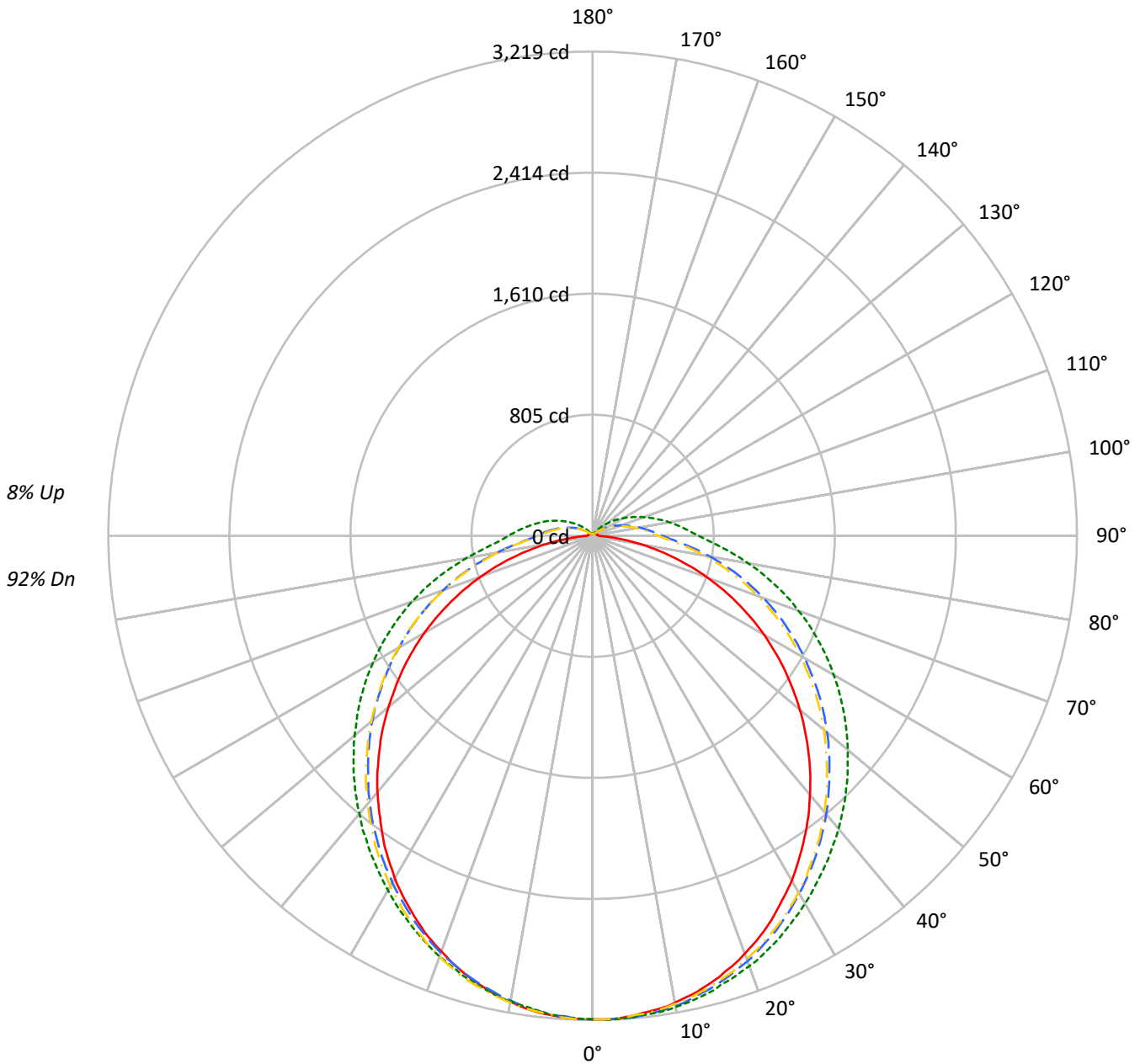
Lumens per Lamp: N/A
Luminaire Lumens: 10948.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

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: 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									
RC	80									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	77	74																			
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	60																			
3	86	75	67	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°	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



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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	



TEST NUMBER: P861206

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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



TEST NUMBER: P861206

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°
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



TEST NUMBER: P861206

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°
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



TEST NUMBER: P861206

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°
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



TEST NUMBER: P861206

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: P861206

CATALOG NUMBER: 8APVTLD-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



TEST NUMBER: P861206

CATALOG NUMBER: 8APVTLD-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



TEST NUMBER: P861206

CATALOG NUMBER: 8APVTLD-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



TEST NUMBER: P861206

CATALOG NUMBER: 8APVTLD-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



TEST NUMBER: P861206

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



Report Generated By 670246072 / DESKTOP-50001EG





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







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



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



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



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





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



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



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



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



(END OF REPORT)