

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: P861218

Luminaire Tested: **8APVTLD-SL3C3 MID 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: P861218
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 MID POWER 5000K 277V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER
Luminaire Equipment: Sample No. Condition Description

Summary

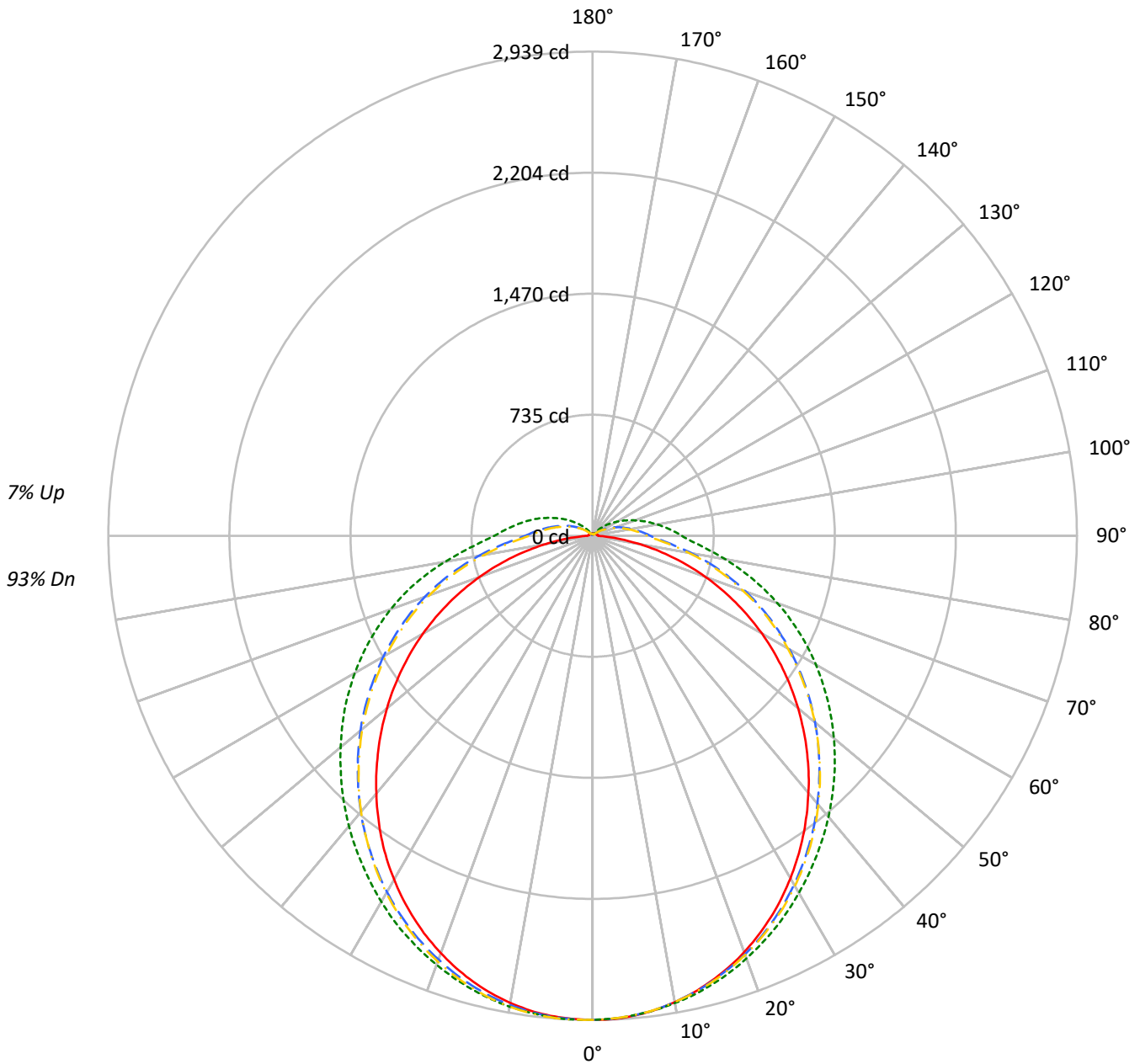
Lumens per Lamp: N/A
Luminaire Lumens: 9976.9 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 78
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

TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

Luminous Intensity Polar Plot





TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

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	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	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	65	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	43	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	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°	11860	11860	11860	11860
5°	11837	11581	11840	11627
10°	11760	11307	11781	11394
15°	11649	11034	11677	11152
20°	11510	10748	11534	10911
25°	11330	10474	11366	10678
30°	11123	10197	11164	10447
35°	10892	9937	10937	10219
40°	10644	9698	10666	10020
45°	10383	9469	10391	9833
50°	10091	9245	10111	9658
55°	9772	9029	9794	9524
60°	9405	8813	9434	9387
65°	8938	8580	8968	9252
70°	8335	8338	8384	9121
75°	7494	8075	7535	8967
80°	6317	7843	6378	8739
85°	4776	7809	4809	8743



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.9	2.8
10°-20°	794.4	8.0
20°-30°	1201.4	12.0
30°-40°	1451.9	14.6
40°-50°	1527.6	15.3
50°-60°	1434.8	14.4
60°-70°	1196.3	12.0
70°-80°	853.2	8.6
80°-90°	499.8	5.0
90°-100°	311.8	3.1
100°-110°	204.9	2.1
110°-120°	120.8	1.2
120°-130°	61.7	0.6
130°-140°	24.0	0.2
140°-150°	7.9	0.1
150°-160°	4.5	0.0
160°-170°	2.9	0.0
170°-180°	1.0	0.0
0°-30°	2273.7	22.8
0°-40°	3725.6	37.3
0°-60°	6688.1	67.0
0°-90°	9237.4	92.6
90°-120°	637.5	6.4
90°-150°	731.1	7.3
90°-180°	740.0	7.4
0°-180°	9976.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2938	2938	2938	2938	2938	
5°	2924	2921	2925	2932	2924	278
15°	2795	2817	2802	2847	2795	788
25°	2556	2626	2564	2677	2556	1177
35°	2226	2370	2236	2437	2226	1392
45°	1838	2073	1839	2153	1838	1417
55°	1409	1741	1412	1837	1409	1259
65°	957	1380	960	1488	957	946
75°	499	1001	502	1111	499	529
85°	115	650	116	728	115	130
90°	37	542	31	598	37	22
95°	32	467	26	514	32	25
105°	26	333	23	378	26	28
115°	22	220	20	256	22	22
125°	17	128	16	154	17	15
135°	13	56	11	73	13	10
145°	10	11	9	17	10	7
155°	9	8	9	12	9	4
165°	10	8	12	10	10	3
175°	12	9	14	9	12	1
180°	12	12	12	12	12	



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1
1°	2938.1	2938.1	2937.9	2937.0	2936.4	2936.2	2936.8	2936.6	2937.3	2938.1	2938.1
2°	2937.7	2937.2	2935.6	2934.5	2934.5	2933.3	2934.1	2934.5	2935.4	2937.0	2937.0
3°	2934.3	2933.5	2931.6	2930.4	2931.2	2929.3	2931.0	2931.8	2933.1	2934.9	2935.2
4°	2929.7	2928.9	2927.0	2925.1	2926.8	2924.5	2925.8	2927.2	2929.7	2930.8	2932.7
5°	2923.9	2922.2	2921.6	2919.1	2920.7	2918.4	2920.3	2921.2	2924.7	2926.2	2928.7
6°	2916.6	2914.7	2914.5	2912.2	2914.5	2911.5	2913.6	2914.3	2918.6	2919.9	2923.2
7°	2908.0	2905.7	2906.5	2904.4	2907.6	2904.4	2905.9	2905.9	2910.7	2912.8	2917.0
8°	2897.7	2895.4	2897.1	2895.0	2899.4	2895.7	2896.9	2895.9	2901.3	2904.0	2909.7
9°	2886.7	2883.9	2885.8	2886.2	2890.0	2886.2	2886.0	2884.8	2890.8	2894.2	2901.1
10°	2874.5	2871.6	2873.7	2875.4	2880.2	2875.6	2874.7	2873.1	2879.5	2883.1	2891.7
11°	2861.2	2858.4	2860.9	2863.3	2869.7	2864.3	2861.8	2859.7	2866.0	2870.8	2880.6
12°	2846.7	2844.2	2846.9	2851.5	2858.4	2852.6	2849.2	2845.7	2851.8	2857.4	2869.1
13°	2831.1	2829.0	2833.1	2837.9	2846.1	2839.4	2835.0	2830.0	2836.3	2843.2	2855.9
14°	2813.5	2811.8	2817.3	2824.1	2832.1	2824.8	2819.6	2813.1	2820.4	2828.5	2842.3
15°	2795.3	2794.9	2799.9	2810.1	2817.2	2810.3	2804.1	2794.1	2802.0	2811.4	2827.3
16°	2776.5	2776.5	2781.7	2793.8	2801.4	2794.3	2786.9	2774.2	2782.5	2791.8	2811.4
17°	2757.0	2757.5	2763.1	2776.9	2785.1	2777.5	2767.9	2754.1	2762.5	2772.7	2794.5
18°	2735.5	2737.4	2743.7	2758.5	2767.7	2759.1	2747.9	2732.6	2740.9	2752.4	2776.1
19°	2713.3	2715.6	2724.4	2740.9	2749.5	2739.1	2728.0	2710.6	2718.4	2731.1	2756.6
20°	2689.7	2691.8	2703.7	2720.7	2729.9	2720.0	2707.5	2687.2	2695.4	2708.8	2736.6
21°	2664.9	2668.6	2681.6	2701.2	2710.0	2699.5	2685.8	2663.4	2671.1	2685.5	2716.7
22°	2638.9	2643.1	2658.2	2680.7	2690.1	2678.6	2663.4	2639.6	2645.8	2661.5	2695.6
23°	2612.2	2617.4	2634.5	2658.0	2668.8	2657.3	2640.4	2615.9	2619.7	2636.8	2673.0
24°	2584.6	2590.4	2609.4	2635.6	2647.9	2634.8	2616.3	2590.0	2592.3	2610.9	2650.4
25°	2556.3	2563.2	2584.2	2613.0	2625.8	2612.2	2591.3	2563.5	2564.3	2584.2	2626.6
26°	2527.1	2535.4	2557.2	2589.2	2603.4	2588.1	2565.8	2534.8	2534.8	2557.4	2602.1
27°	2496.8	2506.0	2530.4	2564.7	2579.1	2563.7	2540.3	2506.8	2505.5	2529.0	2576.6
28°	2465.0	2475.7	2502.4	2539.6	2554.7	2538.4	2512.0	2476.3	2474.0	2499.9	2550.9
29°	2433.6	2444.7	2474.0	2513.5	2529.6	2512.7	2483.8	2445.6	2442.6	2470.0	2523.5
30°	2400.8	2412.9	2445.1	2486.3	2503.5	2486.7	2455.2	2415.0	2409.6	2438.9	2496.3
31°	2367.2	2380.5	2415.2	2459.1	2478.0	2459.6	2425.7	2382.4	2376.6	2408.6	2467.7
32°	2332.9	2347.1	2385.1	2431.7	2451.6	2431.8	2395.2	2349.4	2342.7	2376.8	2439.7
33°	2298.2	2313.4	2353.4	2403.5	2424.8	2402.9	2364.2	2315.5	2307.8	2343.9	2409.2
34°	2262.0	2279.4	2322.6	2374.5	2397.0	2374.5	2333.3	2281.2	2272.4	2311.8	2379.7
35°	2226.5	2244.2	2290.4	2346.2	2369.5	2346.2	2301.3	2245.7	2235.7	2277.9	2348.6
36°	2189.7	2209.1	2257.6	2316.3	2341.7	2316.1	2268.1	2209.9	2197.8	2243.4	2318.2
37°	2152.2	2172.7	2226.2	2286.7	2314.0	2286.7	2235.4	2173.4	2159.3	2208.5	2286.2
38°	2114.6	2136.3	2191.8	2257.8	2285.2	2257.2	2201.4	2135.1	2120.7	2173.1	2253.8
39°	2075.9	2098.9	2157.7	2228.3	2256.8	2226.5	2166.5	2096.6	2082.6	2136.6	2221.6
40°	2037.7	2060.7	2122.3	2198.0	2226.5	2195.5	2131.1	2058.2	2041.9	2099.8	2187.6
41°	1999.8	2023.2	2087.9	2166.0	2196.4	2165.0	2095.4	2020.1	2002.6	2063.6	2154.7
42°	1959.7	1984.6	2052.5	2134.3	2166.3	2133.2	2059.2	1981.4	1962.2	2025.1	2120.7



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1837.8	1867.8	1944.7	2038.5	2073.4	2036.2	1948.8	1860.9	1839.2	1909.0	2016.2
46°	1796.3	1828.4	1909.0	2005.1	2042.1	2002.8	1911.6	1820.8	1798.2	1869.2	1981.4
47°	1754.0	1787.3	1872.7	1971.0	2008.8	1969.1	1873.4	1780.2	1756.4	1830.1	1945.9
48°	1711.8	1746.5	1836.3	1938.0	1976.8	1935.9	1836.0	1739.0	1714.8	1790.9	1910.5
49°	1669.0	1704.9	1799.3	1904.0	1944.4	1901.9	1797.7	1697.0	1672.2	1750.0	1874.2
50°	1626.9	1663.9	1761.8	1870.5	1910.9	1866.7	1759.5	1654.7	1630.1	1709.6	1839.1
51°	1583.2	1622.5	1724.6	1835.4	1878.1	1832.9	1721.1	1613.7	1587.4	1668.4	1803.0
52°	1540.2	1580.0	1686.8	1801.5	1844.2	1797.5	1681.8	1570.8	1543.7	1626.9	1765.7
53°	1497.0	1538.4	1649.2	1766.7	1809.9	1761.9	1642.8	1528.6	1500.4	1585.5	1729.0
54°	1453.1	1495.9	1611.3	1730.5	1775.3	1726.1	1603.7	1486.1	1456.4	1544.6	1691.5
55°	1409.2	1453.5	1572.6	1695.7	1741.1	1690.1	1564.5	1442.9	1412.4	1502.4	1653.8
56°	1365.1	1411.3	1533.9	1659.5	1705.8	1654.4	1524.8	1400.0	1368.2	1460.1	1616.8
57°	1320.8	1368.5	1495.3	1623.1	1670.4	1617.9	1485.6	1356.9	1323.9	1418.5	1579.0
58°	1276.3	1325.2	1457.0	1585.3	1636.5	1581.0	1446.0	1313.7	1278.9	1375.9	1541.3
59°	1231.4	1282.7	1418.5	1548.4	1600.2	1543.7	1407.2	1269.8	1234.3	1333.9	1502.5
60°	1186.0	1240.5	1379.8	1511.0	1564.3	1506.1	1367.5	1227.3	1189.7	1292.0	1465.3
61°	1139.9	1197.1	1340.8	1472.6	1528.7	1468.8	1327.8	1183.0	1143.7	1249.6	1427.8
62°	1094.1	1154.9	1302.0	1436.4	1491.5	1430.9	1288.3	1139.0	1097.6	1207.7	1389.3
63°	1048.4	1112.4	1263.1	1398.3	1455.5	1393.0	1249.4	1095.7	1051.9	1165.8	1351.6
64°	1003.2	1069.6	1224.9	1362.3	1418.2	1355.5	1209.8	1052.9	1006.3	1122.7	1313.8
65°	956.7	1027.4	1186.1	1325.9	1380.0	1316.7	1169.7	1009.7	959.9	1080.6	1274.8
66°	910.4	984.4	1146.6	1287.5	1344.2	1279.2	1130.2	966.9	913.9	1039.3	1237.5
67°	864.4	942.0	1106.5	1250.4	1305.2	1241.1	1089.9	924.3	867.8	996.7	1199.0
68°	818.4	899.1	1066.2	1211.6	1268.8	1202.9	1050.4	881.6	822.2	954.4	1160.3
69°	772.9	856.9	1027.4	1174.0	1230.7	1164.7	1009.9	838.8	775.7	911.9	1121.5
70°	726.5	815.4	988.0	1134.8	1191.7	1126.6	969.7	797.2	730.7	870.3	1083.1
71°	680.4	773.1	949.2	1095.5	1153.7	1087.6	930.5	754.6	683.7	828.5	1043.8
72°	635.2	732.2	910.2	1055.9	1116.0	1050.0	891.7	713.3	638.7	787.3	1005.7
73°	589.3	690.8	872.1	1016.1	1077.5	1011.0	853.1	672.0	592.1	747.1	966.9
74°	544.0	651.8	834.0	977.3	1039.1	972.7	814.4	630.9	547.0	706.1	928.3
75°	499.2	611.4	795.7	938.2	1000.9	935.4	776.2	590.4	501.9	665.9	889.8
76°	455.5	572.2	756.9	900.4	962.4	897.7	738.1	550.4	457.6	627.0	851.2
77°	412.0	533.0	719.2	863.7	925.6	860.7	701.1	512.4	414.6	588.8	813.1
78°	369.2	494.7	680.8	827.0	888.1	823.3	663.1	473.7	371.8	550.9	774.8
79°	327.7	457.8	645.0	790.8	851.3	786.7	627.1	438.0	329.8	513.0	737.1
80°	287.8	422.5	609.1	754.7	815.8	751.4	591.9	401.4	290.6	476.2	701.9
81°	248.5	387.7	573.9	719.4	779.3	715.3	556.3	366.3	252.4	440.1	664.9
82°	211.2	354.6	540.3	684.8	746.4	681.6	523.6	332.6	215.2	404.8	629.8
83°	176.2	323.4	507.4	651.8	711.6	649.0	490.2	300.3	179.4	371.1	595.9
84°	144.5	292.6	477.0	620.2	680.6	617.9	460.7	270.1	146.6	338.2	564.1
85°	115.4	265.3	450.2	590.1	650.4	588.6	432.2	242.2	116.2	307.7	533.0
86°	90.6	239.9	425.2	563.9	622.8	560.8	406.0	216.6	89.6	279.0	502.7
87°	69.4	218.2	400.8	539.2	596.6	535.8	381.9	194.9	68.4	253.9	474.2



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	37.0	172.3	350.5	483.6	542.1	482.5	332.4	148.5	31.1	197.6	410.2
91°	35.1	163.2	338.5	469.7	526.0	466.8	319.1	139.5	28.9	185.9	394.3
92°	34.2	154.2	326.5	455.7	511.0	453.5	307.8	131.1	28.0	175.5	380.1
93°	33.2	145.5	314.8	441.6	496.3	439.0	296.7	123.0	27.2	165.8	366.3
94°	32.4	137.6	303.3	428.6	480.6	425.1	285.6	115.4	26.8	156.2	352.7
95°	31.8	129.4	291.5	415.3	467.1	412.1	274.4	108.2	25.9	146.9	339.6
96°	31.1	122.0	280.7	403.3	452.4	397.9	263.7	101.2	25.3	138.4	326.3
97°	30.5	114.8	269.7	390.3	439.2	385.3	254.1	94.8	25.1	129.9	313.4
98°	29.7	108.4	259.7	377.9	424.5	372.6	244.0	88.6	25.0	122.2	301.5
99°	29.3	101.8	249.3	365.5	410.8	360.4	234.0	82.9	24.8	114.2	289.4
100°	28.9	95.8	238.8	353.2	396.8	348.2	223.5	77.2	24.7	107.3	277.7
101°	28.4	89.9	228.7	341.2	384.3	335.8	213.9	72.4	24.5	100.4	266.6
102°	28.0	84.9	219.1	329.1	370.3	322.9	204.6	67.1	24.1	94.1	255.9
103°	27.6	79.5	209.6	316.6	358.5	311.4	196.1	62.4	23.3	87.8	245.4
104°	27.0	74.5	200.4	304.9	344.7	299.1	187.0	58.2	23.0	82.2	234.6
105°	26.4	70.1	191.8	293.7	333.1	288.5	178.8	54.2	22.6	76.8	224.2
106°	25.9	65.6	183.0	282.0	320.4	277.3	170.0	49.9	22.6	71.3	214.3
107°	25.3	61.6	174.9	271.1	308.2	267.3	161.8	46.1	22.0	66.4	204.2
108°	24.7	57.3	166.6	260.6	296.6	256.8	152.9	42.3	21.6	62.0	194.7
109°	24.3	53.2	158.7	249.7	285.1	246.6	145.1	39.2	21.5	57.5	185.3
110°	23.9	49.3	150.9	239.2	273.2	236.0	137.4	35.3	21.4	52.9	176.2
111°	23.5	45.6	143.2	229.3	262.9	225.8	130.3	32.3	21.3	48.7	167.6
112°	23.0	41.9	135.9	218.9	251.7	215.1	123.3	29.4	21.2	44.6	159.1
113°	23.0	38.6	128.5	209.1	241.2	205.2	116.3	26.4	21.0	40.4	150.9
114°	22.4	35.6	121.5	199.6	230.5	195.0	109.3	24.0	20.8	36.9	142.7
115°	22.0	32.3	114.4	190.0	219.9	185.2	102.8	21.9	20.1	33.4	134.8
116°	21.6	29.8	108.0	180.8	210.3	175.3	96.3	20.0	19.3	29.9	127.0
117°	21.2	27.4	101.8	171.9	199.5	167.0	90.3	19.2	19.3	26.8	119.7
118°	20.7	25.1	95.2	163.4	190.6	158.5	84.1	18.6	18.5	24.1	112.1
119°	20.3	23.4	89.2	154.8	180.9	150.3	78.2	18.1	18.3	21.4	105.0
120°	19.9	22.8	83.2	146.7	171.7	142.1	72.4	17.9	17.9	19.1	98.5
121°	19.3	22.4	77.4	138.4	162.4	133.9	66.5	17.5	17.9	18.0	91.8
122°	18.7	22.0	71.7	130.3	154.3	126.0	61.8	17.3	17.7	17.6	85.4
123°	18.1	21.2	66.3	122.9	144.9	117.9	56.2	16.5	16.8	17.2	78.5
124°	17.2	21.2	61.3	115.1	136.9	110.6	51.3	16.2	16.2	16.6	72.8
125°	17.0	20.7	56.0	107.8	127.7	103.0	46.4	15.9	15.8	16.4	66.7
126°	16.4	19.9	50.9	100.3	120.4	95.8	41.4	15.4	15.3	15.8	61.2
127°	16.0	19.7	46.0	93.5	112.3	88.7	37.1	15.2	14.7	15.4	55.9
128°	15.6	19.3	41.5	86.6	104.7	81.8	33.1	14.8	14.2	15.1	50.2
129°	15.1	18.7	36.9	79.9	97.1	74.8	28.3	14.6	13.7	14.9	45.0
130°	15.1	18.3	32.5	73.3	90.2	68.7	24.8	14.6	13.1	14.7	40.1
131°	14.5	18.0	28.7	67.1	82.1	62.6	21.2	13.5	12.7	14.5	34.8
132°	14.1	17.4	24.8	61.1	76.1	56.6	18.0	13.1	12.2	13.5	30.4



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLT-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	12.9	15.8	16.7	44.0	56.2	40.0	12.6	11.9	11.4	12.7	18.2
136°	12.7	15.4	16.3	39.0	50.0	34.8	12.2	11.9	10.2	12.5	14.6
137°	12.2	15.1	15.5	34.1	44.3	30.2	11.8	12.1	9.8	12.2	12.8
138°	12.0	14.7	15.3	29.5	38.5	25.7	11.4	11.9	9.5	11.9	12.2
139°	11.8	14.3	14.5	24.7	33.1	21.3	10.9	10.8	9.4	11.6	11.6
140°	11.6	13.7	14.4	20.7	28.0	17.5	10.5	10.2	8.9	11.4	11.4
141°	11.0	13.5	14.2	17.1	23.1	13.9	10.1	10.0	8.8	11.0	11.1
142°	10.9	13.1	13.8	14.6	18.5	11.5	9.7	9.6	8.7	10.7	10.3
143°	10.7	12.6	13.2	13.8	14.4	11.1	9.7	9.2	8.6	10.3	9.7
144°	10.5	12.4	12.8	13.6	11.7	10.7	9.6	8.8	8.6	10.0	9.3
145°	10.4	12.2	12.6	13.6	10.6	10.5	9.5	8.8	8.7	9.8	9.1
146°	10.2	11.6	12.3	13.2	10.0	10.2	9.5	8.7	8.7	9.7	8.5
147°	10.0	11.2	11.9	12.8	9.8	9.8	9.4	8.6	8.7	9.5	8.3
148°	9.8	10.8	11.6	12.6	9.4	9.6	9.3	8.5	8.7	9.4	8.4
149°	9.5	10.8	11.2	12.4	9.2	9.4	8.7	8.5	8.7	9.4	8.4
150°	9.5	10.6	10.9	12.2	8.8	9.2	8.4	8.5	8.7	9.4	8.5
151°	9.3	10.2	11.1	11.9	8.8	9.0	8.4	8.6	8.7	9.4	8.5
152°	9.1	10.0	10.9	11.7	9.0	8.9	8.3	8.6	8.7	9.3	8.5
153°	8.9	9.8	10.7	11.5	8.8	8.7	8.3	8.6	8.7	9.3	8.6
154°	8.9	9.8	10.5	11.4	8.0	8.6	8.3	8.7	8.7	9.3	8.6
155°	8.8	9.8	10.7	11.2	8.0	8.4	8.3	8.7	8.7	9.3	8.7
156°	8.8	9.8	10.7	11.1	8.0	8.0	8.3	8.8	8.7	9.3	8.7
157°	8.8	9.8	10.7	10.9	7.9	8.2	8.2	8.8	8.7	9.3	8.8
158°	8.7	9.8	10.6	10.7	7.9	8.2	8.2	8.9	9.0	9.3	8.8
159°	8.9	9.8	10.6	10.5	7.9	8.2	8.2	8.9	9.3	9.3	8.8
160°	9.0	9.8	10.6	10.4	7.9	8.2	8.2	9.0	9.6	9.3	8.9
161°	9.2	9.8	10.6	10.2	8.0	8.2	8.2	9.0	9.9	9.7	8.9
162°	9.3	9.8	10.6	10.1	8.0	8.2	8.6	9.1	10.2	10.1	9.9
163°	9.4	9.8	10.6	9.9	8.0	8.2	8.8	9.8	10.6	10.8	10.5
164°	9.7	9.8	10.6	9.9	8.1	8.2	8.8	10.2	11.2	11.0	10.9
165°	9.8	9.8	10.6	9.8	8.1	8.2	8.9	10.4	12.0	11.2	11.1
166°	10.4	9.8	10.6	9.7	8.2	8.2	9.3	10.8	12.6	11.8	11.2
167°	11.4	10.0	10.6	9.7	8.2	8.2	9.1	11.2	13.1	11.8	11.8
168°	11.6	10.6	10.6	9.6	8.2	8.2	9.2	11.0	13.3	11.8	12.6
169°	11.8	11.6	10.5	9.5	8.3	8.2	9.3	11.2	13.5	11.8	12.8
170°	11.6	11.8	10.5	9.5	8.3	8.2	9.4	11.2	13.7	11.8	12.8
171°	12.0	11.8	10.5	9.5	8.3	8.2	9.5	11.4	13.9	11.9	12.8
172°	11.9	12.0	10.5	9.4	8.4	8.2	9.6	11.4	14.1	11.9	12.7
173°	11.9	12.4	10.5	9.4	8.4	8.2	9.7	11.5	14.0	11.9	12.7
174°	11.9	12.7	10.5	9.3	8.4	8.6	10.1	11.6	14.0	11.9	12.7
175°	11.8	12.5	10.5	9.3	8.6	8.4	9.9	11.7	14.0	11.9	12.7
176°	11.8	12.5	10.5	9.2	9.0	9.0	9.9	11.8	13.9	12.0	12.6
177°	11.8	12.5	11.1	9.1	9.2	9.2	9.9	11.9	13.9	12.0	12.6



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2938.1	2938.1	2938.1	2938.1	2938.1	2938.1
1°	2937.9	2938.5	2938.9	2938.5	2938.5	2938.1
2°	2937.9	2938.7	2939.3	2938.9	2938.3	2937.7
3°	2936.8	2938.9	2939.3	2938.9	2935.2	2934.3
4°	2933.7	2936.6	2937.5	2937.2	2931.0	2929.7
5°	2930.4	2932.2	2934.3	2934.1	2925.5	2923.9
6°	2925.7	2927.6	2930.4	2930.3	2918.6	2916.6
7°	2919.5	2921.8	2924.9	2925.3	2910.5	2908.0
8°	2913.6	2916.4	2918.6	2918.9	2901.7	2897.7
9°	2906.3	2909.5	2911.3	2910.5	2891.0	2886.7
10°	2898.0	2902.5	2902.6	2901.5	2878.9	2874.5
11°	2888.8	2893.8	2893.3	2891.7	2865.8	2861.2
12°	2878.7	2883.1	2883.7	2880.4	2852.2	2846.7
13°	2867.8	2872.4	2873.1	2867.6	2836.5	2831.1
14°	2855.5	2860.1	2861.6	2853.8	2820.6	2813.5
15°	2843.4	2847.4	2849.5	2839.4	2803.5	2795.3
16°	2829.4	2833.1	2835.6	2823.3	2784.9	2776.5
17°	2815.2	2819.3	2821.8	2806.6	2766.4	2757.0
18°	2799.1	2803.5	2805.3	2788.6	2747.0	2735.5
19°	2782.3	2788.2	2788.6	2769.4	2725.7	2713.3
20°	2764.2	2771.3	2770.2	2749.7	2703.3	2689.7
21°	2744.5	2753.7	2751.4	2730.1	2680.1	2664.9
22°	2724.9	2735.5	2732.4	2708.5	2655.6	2638.9
23°	2704.4	2715.9	2712.7	2685.1	2630.2	2612.2
24°	2684.1	2696.6	2691.6	2661.5	2604.8	2584.6
25°	2663.0	2677.0	2669.5	2637.7	2577.5	2556.3
26°	2642.1	2657.5	2647.5	2612.6	2549.9	2527.1
27°	2619.1	2635.0	2623.3	2586.7	2520.6	2496.8
28°	2595.4	2612.6	2600.3	2559.5	2491.3	2465.0
29°	2571.4	2588.7	2575.0	2532.1	2460.6	2433.6
30°	2547.2	2564.9	2551.3	2503.3	2430.1	2400.8
31°	2522.3	2540.3	2526.0	2474.4	2398.5	2367.2
32°	2495.9	2514.7	2500.3	2445.3	2365.3	2332.9
33°	2469.6	2488.8	2473.8	2414.6	2332.4	2298.2
34°	2443.2	2463.7	2447.9	2383.3	2298.6	2262.0
35°	2415.4	2436.8	2419.6	2352.3	2263.9	2226.5
36°	2386.8	2410.8	2391.8	2319.1	2228.8	2189.7
37°	2357.8	2383.5	2363.8	2286.9	2193.4	2152.2
38°	2329.5	2357.1	2334.5	2253.8	2156.8	2114.6
39°	2300.5	2329.3	2304.9	2220.4	2120.5	2075.9
40°	2271.0	2300.5	2275.2	2185.3	2083.0	2037.7
41°	2242.6	2272.4	2244.9	2151.4	2045.4	1999.8
42°	2212.7	2242.6	2214.1	2115.7	2007.6	1959.7



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2121.5	2153.1	2118.8	2008.6	1891.7	1837.8
46°	2089.9	2121.9	2086.2	1972.2	1852.1	1796.3
47°	2058.0	2090.2	2054.8	1935.4	1812.8	1754.0
48°	2026.2	2059.8	2020.8	1898.1	1772.9	1711.8
49°	1993.6	2027.8	1988.1	1861.4	1732.3	1669.0
50°	1961.0	1996.3	1954.1	1824.2	1691.6	1626.9
51°	1928.3	1964.5	1919.6	1786.5	1649.9	1583.2
52°	1894.2	1932.1	1885.8	1748.9	1609.3	1540.2
53°	1860.9	1901.3	1851.6	1710.8	1567.7	1497.0
54°	1826.8	1868.6	1816.4	1672.8	1526.2	1453.1
55°	1792.4	1836.6	1780.7	1635.2	1484.2	1409.2
56°	1757.2	1803.1	1744.5	1596.7	1442.3	1365.1
57°	1722.8	1769.9	1709.5	1558.6	1399.7	1320.8
58°	1687.0	1734.9	1672.0	1519.4	1357.9	1276.3
59°	1651.5	1700.6	1636.8	1480.8	1315.0	1231.4
60°	1615.7	1666.2	1599.9	1442.5	1272.1	1186.0
61°	1579.1	1630.3	1564.4	1403.9	1229.0	1139.9
62°	1542.4	1595.6	1527.2	1365.1	1186.2	1094.1
63°	1506.1	1559.8	1490.4	1326.4	1142.9	1048.4
64°	1469.1	1524.1	1453.1	1287.3	1100.3	1003.2
65°	1432.7	1488.0	1415.9	1248.6	1056.7	956.7
66°	1396.3	1450.9	1378.7	1210.2	1014.0	910.4
67°	1358.6	1415.2	1341.1	1171.5	971.6	864.4
68°	1321.4	1377.0	1303.4	1132.5	929.2	818.4
69°	1283.7	1341.3	1265.7	1092.5	886.3	772.9
70°	1246.2	1303.7	1228.4	1053.7	844.7	726.5
71°	1207.3	1266.1	1190.6	1014.1	802.1	680.4
72°	1169.2	1228.7	1152.9	975.2	760.9	635.2
73°	1130.8	1190.3	1115.0	935.2	719.2	589.3
74°	1092.4	1152.1	1076.6	896.5	677.6	544.0
75°	1055.7	1111.4	1039.2	857.1	636.7	499.2
76°	1018.3	1071.2	1001.6	818.8	597.0	455.5
77°	981.7	1029.8	963.9	780.0	557.3	412.0
78°	944.3	987.9	926.9	741.7	518.1	369.2
79°	906.4	948.7	887.5	704.9	479.4	327.7
80°	869.4	909.0	851.6	668.8	441.9	287.8
81°	833.5	870.0	814.6	633.9	405.6	248.5
82°	797.3	832.3	778.1	599.6	371.3	211.2
83°	762.9	795.6	742.9	566.8	338.2	176.2
84°	730.0	762.0	708.6	534.5	306.8	144.5
85°	697.6	728.2	675.8	503.9	277.3	115.4
86°	666.8	698.5	645.5	475.2	251.0	90.6
87°	637.8	668.6	616.7	448.8	226.1	69.4



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	568.4	597.5	547.2	384.3	171.4	37.0
91°	549.6	577.9	527.5	369.3	161.1	35.1
92°	533.2	561.2	511.4	355.4	151.6	34.2
93°	517.6	545.1	496.1	342.0	143.0	33.2
94°	501.8	529.7	480.3	328.3	134.2	32.4
95°	486.0	514.1	465.5	315.5	126.2	31.8
96°	470.1	499.6	450.6	304.0	118.6	31.1
97°	455.2	484.9	436.2	293.2	110.8	30.5
98°	440.1	469.9	422.6	281.9	103.5	29.7
99°	424.7	457.2	409.1	270.1	97.1	29.3
100°	410.7	443.1	394.7	259.3	91.2	28.9
101°	396.6	429.2	380.8	248.2	85.2	28.4
102°	381.7	416.7	367.0	238.0	79.6	28.0
103°	369.1	403.6	353.5	227.8	74.8	27.6
104°	354.4	390.5	341.1	217.4	69.7	27.0
105°	341.7	378.3	329.5	207.6	65.0	26.4
106°	328.2	366.0	318.4	197.8	60.8	25.9
107°	315.2	353.3	307.2	188.5	56.8	25.3
108°	302.5	340.6	294.7	179.3	52.8	24.7
109°	290.7	327.9	282.7	170.7	49.0	24.3
110°	278.5	314.7	271.4	162.3	45.1	23.9
111°	267.0	302.3	259.8	153.9	41.7	23.5
112°	255.8	290.0	248.7	145.8	38.5	23.0
113°	245.1	278.1	237.4	138.0	35.4	23.0
114°	234.1	266.6	226.9	130.4	32.5	22.4
115°	223.5	255.7	216.8	123.5	29.9	22.0
116°	213.1	244.3	206.8	116.1	27.3	21.6
117°	203.2	233.0	196.6	109.2	25.4	21.2
118°	192.6	222.5	186.6	102.5	24.2	20.7
119°	183.3	211.9	177.4	96.1	24.2	20.3
120°	174.0	202.0	168.1	89.8	23.7	19.9
121°	164.2	191.7	159.4	83.7	23.1	19.3
122°	155.8	182.0	150.7	77.9	22.7	18.7
123°	146.6	172.4	141.8	71.8	22.3	18.1
124°	138.1	163.0	133.4	66.2	21.9	17.2
125°	129.8	154.0	125.5	61.2	21.4	17.0
126°	121.2	145.0	117.5	55.6	21.2	16.4
127°	113.8	136.0	109.4	50.6	20.4	16.0
128°	105.5	127.6	101.9	45.7	20.0	15.6
129°	98.0	119.1	94.3	40.9	19.8	15.1
130°	90.5	111.2	86.8	36.2	19.1	15.1
131°	83.1	102.8	79.9	32.5	18.5	14.5
132°	76.3	95.0	72.9	28.2	18.1	14.1



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	56.3	73.0	54.3	18.7	16.7	12.9
136°	50.2	66.1	48.6	17.9	16.5	12.7
137°	44.3	60.0	42.8	17.1	15.8	12.2
138°	38.4	53.8	37.6	16.7	15.4	12.0
139°	32.8	47.5	32.6	16.3	15.0	11.8
140°	27.5	41.5	27.7	15.8	14.4	11.6
141°	22.5	36.1	23.1	15.6	14.0	11.0
142°	17.8	30.7	19.2	15.0	13.7	10.9
143°	13.8	25.6	16.2	14.6	13.3	10.7
144°	11.9	20.8	15.6	14.2	13.1	10.5
145°	11.5	17.1	15.0	13.6	12.5	10.4
146°	11.3	15.1	14.7	13.4	12.3	10.2
147°	11.1	14.5	14.7	12.8	11.5	10.0
148°	10.3	14.3	14.3	12.5	11.7	9.8
149°	9.9	14.1	14.1	12.1	11.4	9.5
150°	9.7	13.7	13.7	11.9	11.0	9.5
151°	9.5	13.3	13.3	11.5	11.0	9.3
152°	8.8	13.1	12.7	11.3	10.4	9.1
153°	8.9	12.5	12.5	11.1	10.4	8.9
154°	8.6	12.5	12.5	11.1	10.4	8.9
155°	8.5	11.9	11.9	11.1	10.4	8.8
156°	8.4	11.7	11.9	11.1	10.4	8.8
157°	8.3	11.5	11.5	11.1	10.5	8.8
158°	8.2	11.3	11.3	11.1	10.5	8.7
159°	8.1	11.2	11.1	11.2	10.5	8.9
160°	8.0	11.0	11.3	11.2	10.5	9.0
161°	8.2	11.0	11.1	11.2	10.5	9.2
162°	8.4	10.8	10.8	11.2	10.6	9.3
163°	8.8	10.7	10.7	11.2	10.6	9.4
164°	9.1	10.6	10.6	11.2	11.2	9.7
165°	9.5	10.5	10.5	11.2	11.3	9.8
166°	9.5	10.4	10.5	11.2	11.7	10.4
167°	9.7	10.2	10.4	11.3	11.5	11.4
168°	10.3	10.0	10.4	11.3	11.7	11.6
169°	10.1	10.0	10.3	11.3	12.0	11.8
170°	10.5	9.8	10.3	11.3	12.2	11.6
171°	10.5	9.6	10.2	11.3	12.4	12.0
172°	10.6	9.6	10.2	11.4	12.7	11.9
173°	10.6	9.5	10.1	11.4	12.9	11.9
174°	10.7	9.4	10.1	11.4	13.3	11.9
175°	10.8	9.2	10.0	11.4	13.3	11.8
176°	10.8	9.1	10.0	11.5	13.3	11.8
177°	10.9	9.0	10.0	11.7	13.7	11.8



TEST NUMBER: P861218

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	12.0	12.0	12.0	12.0	12.0	12.0



Report Generated By 670246072 / DESKTOP-50001EG





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







43°	1919.3	1946.9	2016.2	2102.1	2135.5	2100.8	2023.0	1941.5	1921.2	1986.2	2085.8
44°	1878.5	1908.2	1981.2	2070.1	2104.6	2068.6	1986.2	1901.8	1880.4	1948.0	2051.1



88°	51.8	198.9	380.8	518.5	576.3	516.1	363.1	176.1	51.2	232.5	449.1
89°	41.7	182.9	363.5	499.2	557.0	496.8	346.1	160.1	38.8	213.6	428.3



133°	13.5	17.0	21.5	55.2	68.6	50.8	15.2	12.7	11.8	13.1	26.2
134°	13.3	16.6	18.3	49.7	62.6	45.3	13.0	12.5	11.8	12.9	21.9



178°	12.0	12.5	10.9	9.1	9.2	9.0	9.9	11.9	13.5	12.0	12.6
179°	12.0	12.5	10.9	9.1	9.2	9.0	9.9	11.9	13.5	12.0	12.6





43°	2182.3	2213.5	2183.2	2080.9	1969.1	1919.3
44°	2152.2	2182.3	2151.2	2045.2	1930.4	1878.5



88°	612.4	642.0	590.7	424.8	205.1	51.8
89°	587.6	618.9	567.5	403.9	185.6	41.7



133°	69.1	87.5	66.4	24.5	17.9	13.5
134°	62.8	80.4	60.6	21.2	17.1	13.3



178°	10.9	9.0	<i>10.0</i>	11.9	13.5	12.0
179°	10.9	9.0	<i>10.0</i>	12.1	13.5	12.0



(END OF REPORT)