

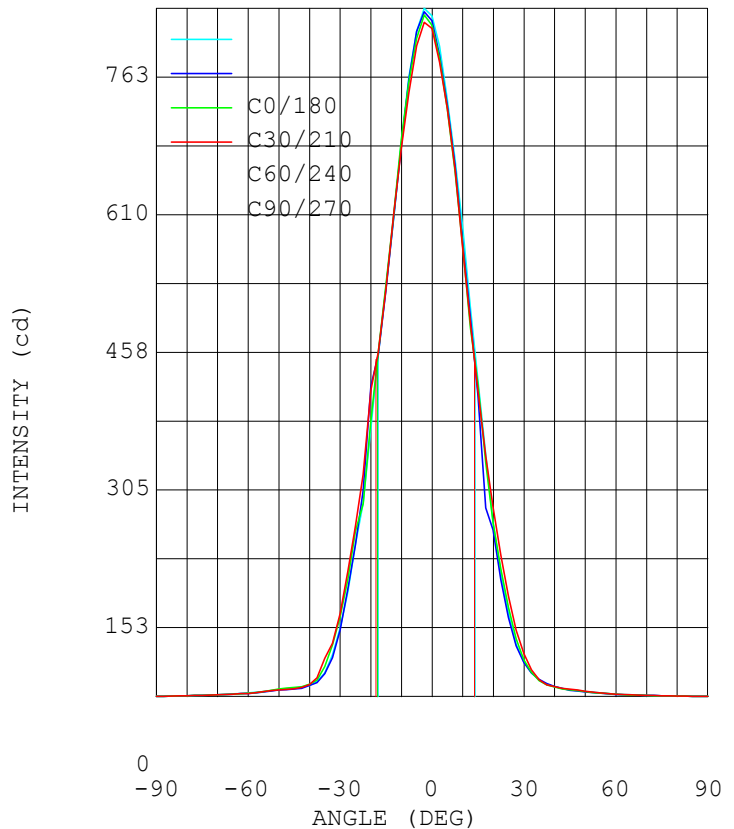
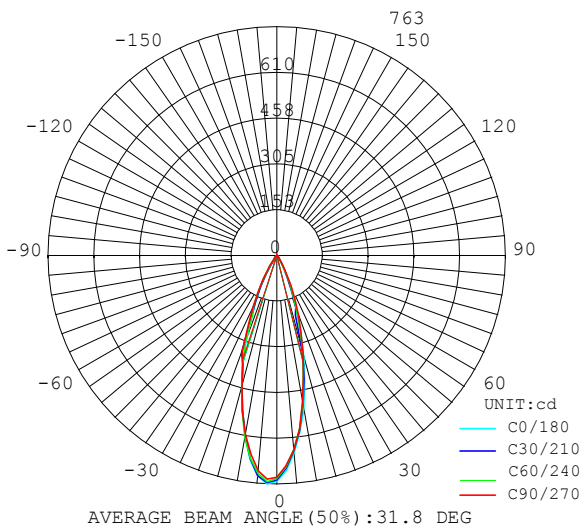
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 002

MANUFACTURER: Ultra Max		Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:	
SPECIFICATION:GU10	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	762.9	S/MH(C0/180)	0.57
MODEL	GU10	EFFICIENCY (%)	100.0	S/MH(C90/270)	0.58
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	240.57	Voltage(V)	230.0
RATED VOLTAGE(V)	230.0	EFFICIENCY(lm/W)	63.3	Current(A)	0.016
NOMINAL FLUX(lm)	240.6	η_{up} (%)	0.4	Power(W)	3.800
LAMPS QUANTITY	1	η_{down} (%)	99.6	Power Factor(PF)	1.000
TEST VOLTAGE(V)	230.0	Effective Flux(lm)	229.1	E EI	0.155

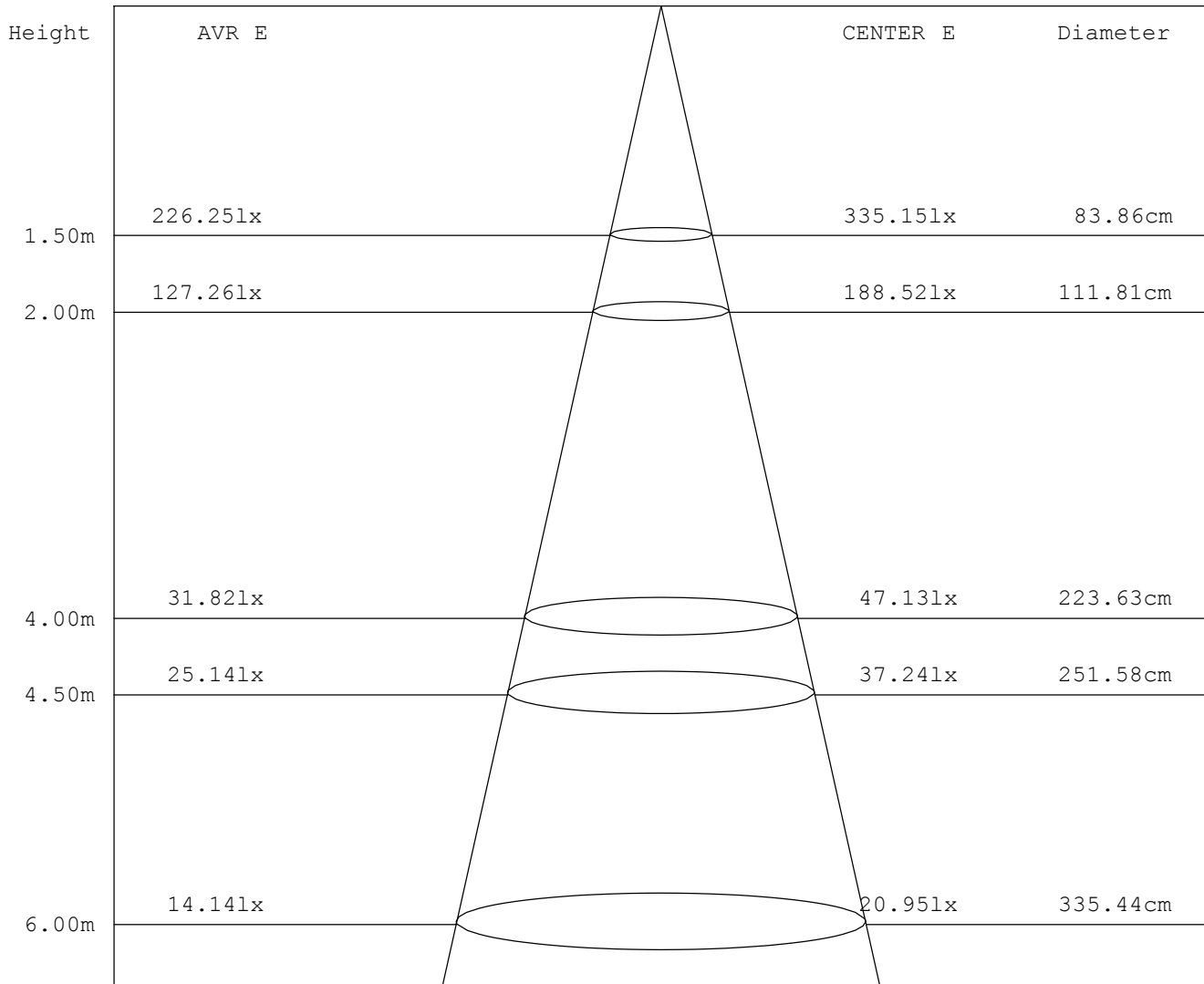
LUMINOUS INTENSITY DISTRIBUTION



AVERAGE AND CENTER E Figure

Report number: 002

MANUFACTURER: Ultra Max	Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:
SPECIFICATION:GU10	DIMENSION:	SERIAL No.:



Angle: 31.2deg

Ultra Max Batteries, Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
 Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com

ZONAL FLUX DIAGRAM

Report number: 002

MANUFACTURER: Ultra Max	Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:
SPECIFICATION: GU10	DIMENSION:	SERIAL No.:

y	c0	c45	c90	c135	c180	c225	c270	c315	y	Φ zone	Φ total
5.0	737.0	733.3	721.4	707.3	661.4	653.1	651.7	663.2	0- 5	16.74	16.74
10.0	613.8	613.8	607.5	593.1	520.3	501.7	497.1	521.6	5- 10	42.14	58.88
15.0	452.9	452.2	450.8	429.0	349.9	339.6	338.4	371.2	10- 15	51.40	110.2
20.0	297.8	325.0	339.5	279.7	193.2	188.6	209.6	224.1	15- 20	47.34	157.6
25.0	168.8	175.7	188.8	157.3	92.87	93.43	111.6	129.4	20- 25	33.91	191.5
30.0	75.88	80.86	91.81	74.79	38.41	39.21	47.81	56.77	25- 30	19.94	211.5
35.0	26.11	29.28	42.20	29.61	18.22	18.28	18.48	18.97	30- 35	9.606	221.1
40.0	12.31	12.46	13.28	13.53	10.65	10.71	10.31	11.36	35- 40	4.612	225.7
45.0	9.176	9.077	8.662	8.982	7.405	7.177	8.017	9.197	40- 45	3.358	229.0
50.0	7.737	7.814	7.419	7.205	5.494	5.267	6.001	6.734	45- 50	2.907	231.9
55.0	5.640	5.303	5.369	5.354	3.999	3.711	3.979	4.539	50- 55	2.264	234.2
60.0	3.967	3.545	3.524	3.622	2.699	2.390	2.665	3.145	55- 60	1.635	235.8
65.0	2.910	2.568	2.495	2.440	1.870	1.711	1.892	2.193	60- 65	1.219	237.1
70.0	2.085	1.841	1.821	1.839	1.356	1.234	1.359	1.637	65- 70	0.905	238.0
75.0	1.500	1.347	1.314	1.291	1.009	0.913	1.007	1.224	70- 75	0.675	238.6
80.0	1.052	0.969	0.970	0.978	0.738	0.647	0.658	0.756	75- 80	0.501	239.1
85.0	0.516	0.456	0.488	0.574	0.352	0.293	0.289	0.329	80- 85	0.281	239.4
90.0	0.055	0.060	0.080	0.125	0.037	0.040	0.044	0.038	85- 90	0.072	239.5
95.0	0.049	0.038	0.028	0.039	0.035	0.039	0.045	0.039	90- 95	0.021	239.5
100.0	0.047	0.039	0.032	0.041	0.040	0.042	0.046	0.042	95-100	0.022	239.5
105.0	0.049	0.041	0.036	0.045	0.046	0.046	0.050	0.047	100-105	0.023	239.6
110.0	0.052	0.045	0.042	0.050	0.052	0.052	0.054	0.052	105-110	0.025	239.6
115.0	0.056	0.049	0.049	0.057	0.060	0.058	0.061	0.058	110-115	0.028	239.6
120.0	0.063	0.056	0.058	0.066	0.071	0.067	0.070	0.068	115-120	0.030	239.6
125.0	0.072	0.063	0.070	0.075	0.083	0.078	0.083	0.076	120-125	0.033	239.7
130.0	0.082	0.071	0.085	0.086	0.099	0.091	0.102	0.089	125-130	0.036	239.7
135.0	0.101	0.087	0.106	0.108	0.141	0.132	0.151	0.125	130-135	0.043	239.8
140.0	0.145	0.119	0.163	0.165	0.239	0.214	0.260	0.192	135-140	0.060	239.8
145.0	0.218	0.169	0.245	0.231	0.337	0.279	0.337	0.250	140-145	0.078	239.9
150.0	0.270	0.196	0.269	0.247	0.339	0.280	0.328	0.262	145-150	0.078	240.0
155.0	0.247	0.188	0.240	0.225	0.293	0.268	0.280	0.257	150-155	0.063	240.0
160.0	0.249	0.231	0.237	0.297	0.467	0.460	0.368	0.436	155-160	0.063	240.1
165.0	0.656	0.579	0.663	0.649	1.064	1.007	0.984	0.962	160-165	0.110	240.2
170.0	1.192	1.158	1.213	1.220	1.657	1.661	1.662	1.575	165-170	0.148	240.4
175.0	1.626	1.670	1.757	1.721	1.994	2.004	1.971	1.917	170-175	0.124	240.5
180.0	1.908	1.960	1.948	1.939	1.925	1.958	1.926	1.936	175-180	0.046	240.5
DEG	LUMINOUS INTENSITY: cd									UNIT :lm	

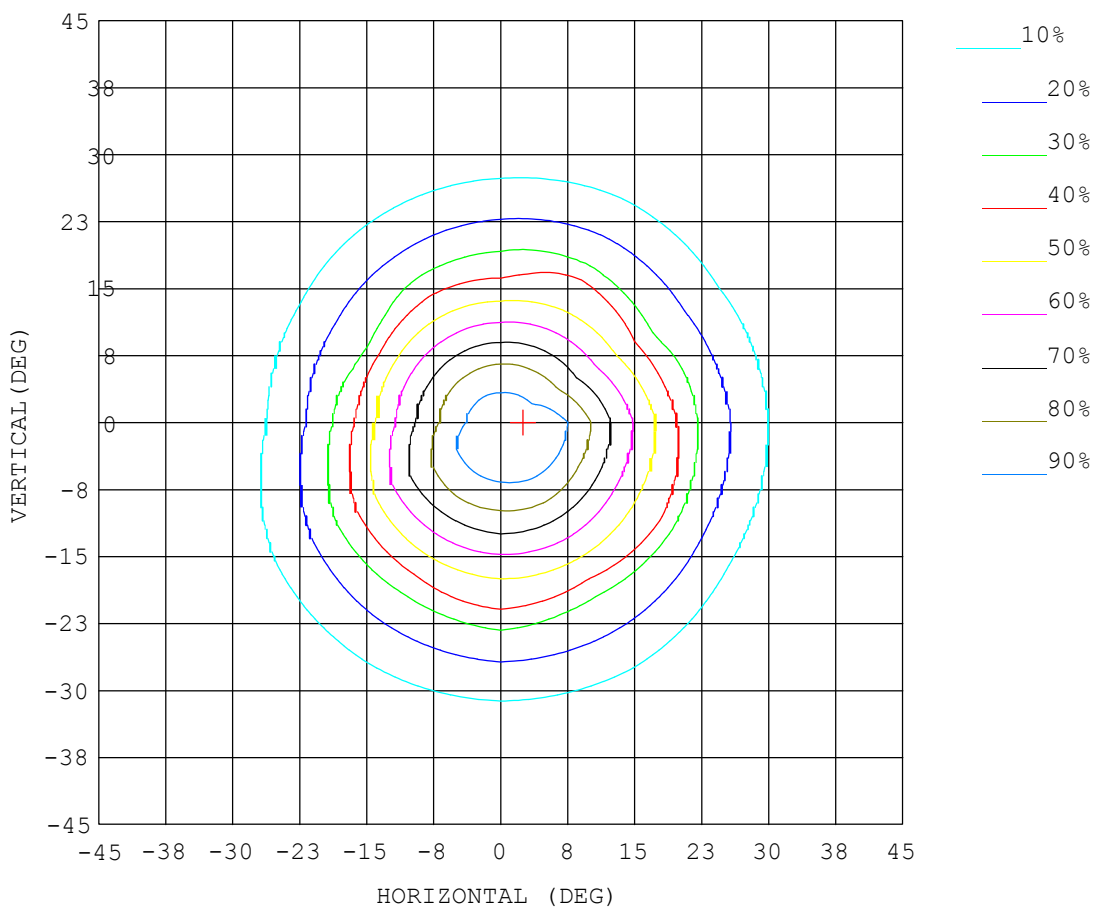
Ultra Max Batteries, Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
 Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com

ISOCANDELA DIAGRAM

Report number: 002

MANUFACTURER: Ultra Max	Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:
SPECIFICATION: GU10	DIMENSION:	SERIAL No.:

UNIT: cd



Ultra Max Batteries, Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
 Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com

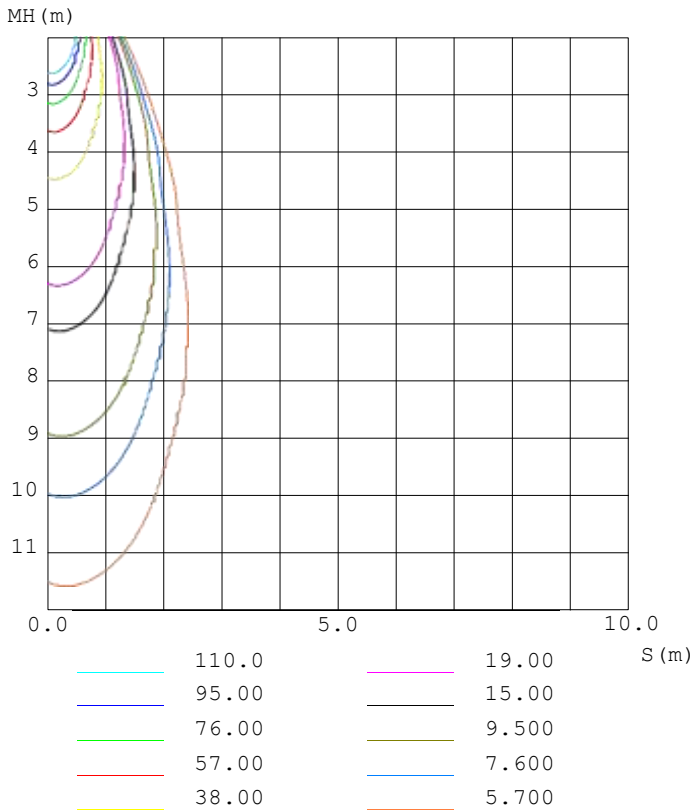
BULUMX-GU10WW3B1-RIG-TEC-I14

ISOLUX DIAGRAM

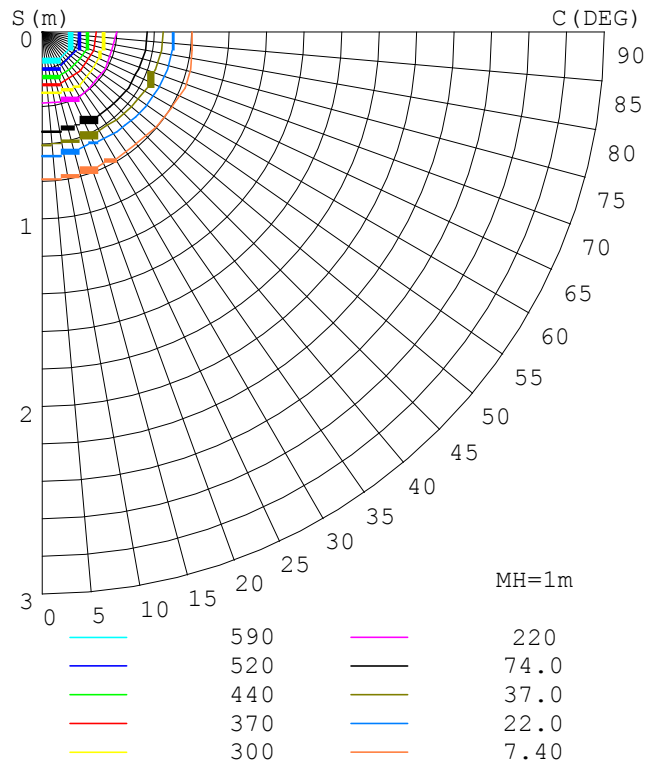
Report number: 002

MANUFACTURER: Ultra Max	Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:
SPECIFICATION: GU10	DIMENSION:	SERIAL No.:

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PLANAR ISOLUX DIAGRAM (UNIT:lx)



Ultra Max Batteries, Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
 Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 002

MANUFACTURER: Ultra Max	Address:	
NAME: GU10 230V 3W	TYPE: Reflector lamp	WEIGHT:
SPECIFICATION:GU10	DIMENSION:	SERIAL No.:

UNIT: cd

y (DEG) \ C (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	754	749	744	740	740	744	754	749	744	740	740	744
5.0	737	737	729	721	711	704	661	655	651	652	658	669
10.0	614	611	617	608	601	585	520	504	500	497	514	529
15.0	453	449	455	451	439	420	350	333	346	338	364	379
20.0	298	344	306	340	291	269	193	185	193	210	231	217
25.0	169	168	183	189	170	145	92.8	87.7	99.1	112	128	131
30.0	75.8	73.5	88.1	91.8	82.0	67.4	38.4	37.7	40.7	47.8	55.3	58.2
35.0	26.1	25.3	33.2	42.2	31.7	27.4	18.2	18.8	17.6	18.4	19.2	18.7
40.0	12.3	11.1	13.7	13.2	13.9	13.1	10.6	11.1	10.3	10.3	10.3	12.3
45.0	9.17	8.20	9.95	8.66	9.03	8.93	7.40	7.07	7.28	8.01	8.10	10.2
50.0	7.73	7.17	8.45	7.41	7.25	7.15	5.49	5.12	5.41	6.00	6.14	7.32
55.0	5.64	4.99	5.60	5.36	5.32	5.38	3.99	3.64	3.77	3.97	4.13	4.94
60.0	3.96	3.44	3.64	3.52	3.53	3.70	2.69	2.27	2.50	2.66	2.83	3.45
65.0	2.91	2.55	2.58	2.49	2.30	2.57	1.87	1.72	1.69	1.89	2.07	2.30
70.0	2.08	1.81	1.86	1.82	1.85	1.82	1.35	1.26	1.20	1.35	1.49	1.77
75.0	1.50	1.31	1.37	1.31	1.33	1.25	1.00	0.93	0.89	1.00	1.10	1.34
80.0	1.05	0.94	1.00	0.97	1.00	0.96	0.74	0.67	0.62	0.66	0.67	0.84
85.0	0.52	0.42	0.49	0.49	0.58	0.57	0.35	0.32	0.27	0.29	0.28	0.38
90.0	0.05	0.03	0.09	0.08	0.13	0.12	0.04	0.05	0.03	0.04	0.03	0.05
95.0	0.05	0.03	0.05	0.03	0.05	0.03	0.04	0.05	0.03	0.05	0.03	0.05
100.0	0.05	0.03	0.05	0.03	0.05	0.04	0.04	0.05	0.04	0.05	0.04	0.05
105.0	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.05	0.04	0.05
110.0	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
115.0	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06
120.0	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.07
125.0	0.07	0.06	0.06	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.07	0.08
130.0	0.08	0.07	0.07	0.09	0.08	0.10	0.10	0.09	0.10	0.10	0.09	0.09
135.0	0.10	0.09	0.08	0.11	0.09	0.12	0.14	0.12	0.14	0.15	0.13	0.13
140.0	0.14	0.12	0.12	0.16	0.14	0.19	0.24	0.21	0.22	0.26	0.19	0.20
145.0	0.22	0.18	0.16	0.25	0.19	0.28	0.34	0.28	0.28	0.34	0.23	0.27
150.0	0.27	0.21	0.18	0.27	0.20	0.30	0.34	0.28	0.28	0.33	0.23	0.29
155.0	0.25	0.20	0.17	0.24	0.19	0.26	0.29	0.27	0.26	0.28	0.25	0.27
160.0	0.25	0.27	0.19	0.24	0.27	0.32	0.47	0.46	0.46	0.37	0.45	0.42
165.0	0.66	0.57	0.58	0.66	0.59	0.71	1.06	0.97	1.04	0.98	1.00	0.93
170.0	1.19	1.11	1.19	1.21	1.16	1.27	1.65	1.63	1.69	1.66	1.61	1.53
175.0	1.62	1.64	1.69	1.75	1.67	1.76	1.99	1.97	2.03	1.97	1.95	1.88
180.0	1.90	1.93	1.98	1.94	1.90	1.96	1.92	1.91	2.00	1.92	1.92	1.94

Ultra Max Batteries, Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
 Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com