November 4, 2022

ATTN: Document Control Desk / Exempt Distribution
Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555–0001

REF: Request for Additional Information
Venture Lighting International, Inc.
6675 Parkland Blvd., #100
Solon, OH 44139
Distribution License Number: 34-26659-03E
Docket No. 030-38541

1) 10 CFR 40.52(b)(2) requires the applicant to submit details of construction and design of each product containing source material (thorium).

(a) Arc tube

The arc tube is a formed quartz body. An exhaust tube is fused to the side of the body. One electrode is inserted into each end, and the two ends are then sealed by a heating and pinching operation. The arc tube is flushed twice with Argon gas. Next the arc tube is filled with a Krypton - Argon gas mixture, which contains up to a maximum of 0.1 μCi of Krypton-85. Finally, the exhaust tube is pinched, sealing the arc tube.

(b) Lamp

The lamp consists basically of an arc tube, a glass sheath around the arc tube, a base, a mount which holds the arc tube, and a glass envelope. The mount is sealed into the glass envelope and held in place at the top by means of a loop that sits over a dimple in the envelope. The base is then affixed to the bottom of the sealed envelope, and the two wires are attached to the base for electrical contact.

2) 10 CFR 40.52(b)(3) require the applicant submit quality control procedures to be followed in the fabrication of production lots of the product and the quality control standards the product will be required to meet. Specifically address how you will ensure that each lamp will not exceed 50 milligrams of thorium as required under 10 CFR Paragraph 40.13(c)(1)(iv). Please include associated calculations.

See attached procedure / calculations. Venture Lighting can confirm each lamp will not exceed 50 milligrams of thorium.

3) 10 CFR 40.52(b)(4) require the applicant to submit the proposed method of labeling or marking each unit, and/or its container with the identification of the manufacturer or initial transferor of the product and the source material in the product. Please provide legible copies of the labels that will be used on each type of product (or immediate container where the product is too small to be labeled).

Each container will include a label that states thorium is present. See attached for label examples.

4) 10 CFR 40.42(b)(1) requires applicant to provide the maximum quantity of source material in each product.

See attached document for thorium quantity in each product.

5) Address Change

Venture Lighting International Distribution Center was previously located at 7905 Cochran Rd. #300, Glenwillow, OH 44139. On September 15th, 2022, Venture Lighting International completed moving locations to 6680 Parkland Blvd., Solon, OH 44139.

The new mailing address for Venture Lighting is 6675 Parkland Blvd. #100, Solon, OH 44139.

Sincerely,

Brian Glazer
Radiation Safety Officer

10 CFR 40.52 (b)(3) Quality Control Procedure and Calculations:

There are two sources of Thorium in a metal halide lamp.

1. As ThO2 in electrode shank (tungsten wire)
2. As ThI4 in metal halide salts.

Design documents (BoMs and Drawings) control:

- Length, diameter and ThO2 doping of electrode shank.
- Number of shanks per arc tube
- Mass and ThI4 wt% of halide pill
- Number of pills per arc tube.
- Number of arc tubes per lamp

Products are manufactured as per active design documents.

Before release of design, amount of thorium per lamp is calculated as follows:

If
L = Shank length (mm)
d = Shank diameter (mm)
Th = ThO2 doping in wt %
Atomic mass of Thorium = 232.03806 u
Atomic mass of Oxygen = 15.999 u

Thorium in single electrode (g)
X1 =(PI*L*(d/2)^2*0.001)*19.3*Th/100*(232.038/(232.038+(15.999*2)))

Thorium from electrode per arc tube = X1 * Number of electrodes per arc tube.

If
N = Number of halide pills per arc tube
W = weight per pill (mg)
P = ThI4 content in wt %
Atomic mass of Iodine = 126.90447 u

Thorium from halide dose per arc tube (g)

=(N*W*(P/100)*(232.038/(232.038+(126.904*4))))/1000

Thorium per arc tube = Thorium from electrode per arc tube + Thorium from halide dose per arc tube.

Thorium per lamp = Thorium per arc tube * number of arc tubes per lamp.

This value is verified for conformance to regulations.

MPI 400W/BU/LU

METAL HALIDE LAMPS

VENTURE®

LIGHTING INTERNATIONAL

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400W	**BASE:** MOGUL (EX39)
	BULB: ED37
OPEN/ENCLOSED LUMINAIRE	**FINISH:** CLEAR
Kr85 Thorium	**POSITION:** BU ± 15°
6.75 LBS 3.06 KGS	**ANSI:** S51/O COMP.
CASE QTY: 6	
LUMENS: 39000	**LPW:** 91 **CRI:** 65

10044

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Model Number	Model Description	AT Exh	No of AT	Th in 2 electrodes (g)	Activity from Th in electrode (Bq / arc tube)	Th in dose (g)	Activity from Th in dose (Bq / arc tube)	Total Thorium / arctube (mg)	Thorium / lamp (mg)
10044	MPI 400W/BU/LU	208-573	1	0.0051167	41.65	0.0001897	1.54	5.3064354	5.306435
10079	MS 450W/V/PS/740	208-267	1	0.00770049	62.68	0.0001897	1.54	7.89022701	7.890227
10202	MPR350/VBU/PA GE	208-620	1	0.00577692	47.02	0.0001506	1.23	5.9275039	5.927504
10206	MPI 250W/C/BU/LU	208-259	1	0.00261607	21.29	0.0002599	2.12	2.87594804	2.875948
10226	MP 50W/U/PS/3K	208-519	1	0.00013188	1.07	0	0	0.13187982	0.13188
10237	MHL 200W/C/H75/ED28/PS/7	208-070	2	0.00214858	17.49	0.0001897	1.54	2.33830815	4.676616
10361	MXR50/U/MED GE	208-617	1	0.00013188	1.07	0	0	0.13187982	0.13188
10364	MXR50/C/U/MED GE	208-617	1	0.00013188	1.07	0	0	0.13187982	0.13188
10381	MP 50W/C/U/PS/3K	208-519	1	0.00013188	1.07	0	0	0.13187982	0.13188
11245	MP 100W/C/U/PS/3K	208-537	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
11250	MH 1250W/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
11278	MP 100W/C/U/PS	208-433	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
11295	MH-DE 150W/UVS/3K	208-320	1	0.00056615	4.61	0	0	0.56615075	0.566151
11650	MPR250/C/VBU/O GE	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
12106	HIT 150W/G12/UVS/3K	208-121	1	0.00056615	4.61	9.537E-05	0.78	0.66151906	0.661519
12108	HIT 70W/G12/UVS/3K	208-563	1	0.00022314	1.82	0	0	0.22313533	0.223135
12130	MH 1000W/U/BT37 GENERIC	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
12158	MH 1500W/HBU GENERIC	208-220	1	0.01131849	92.13	0	0	11.3184859	11.31849
12180	MH 70W/C/U/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
12342	MH 1500W/U/XL	208-239	1	0.01798361	146.39	0	0	17.9836122	17.98361
12377	MXR70/U/MED/O GE	208-530	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
12381	MXR100/U/MED/O GE	208-537	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
12577	MXR70/C/U/MED/O GE	208-530	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
12579	MXR100/C/U/MED/O GE	208-537	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
12594	MVR70/C/U/MED GE	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
12598	MVR150/U/MED GE	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
12652	MVR100/U/MED GE	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
12653	MVR100/C/U/MED GE	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
12718	MH 320W/U/ED28/PS/740	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
12762	MVR 250/VBU/R GE	208-012	1	0.00261607	21.29	0.0002599	2.12	2.87594804	2.875948
12770	MVR400/VBU/R GE	208-397	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
130393	MP320/BU/PS/ED37	208-681	1	0.00307773	25.05	7.529E-05	0.61	3.15301948	3.153019
130674	MP360/BU/EW	208-362	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
13090	MS 1000W/BU/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
13093	MH 50W/C/U/PS	208-287	1	0.00013188	1.07	1.88E-05	0.15	0.15070252	0.150703
131623	MH1500/U	208-239	1	0.01798361	146.39	0	0	17.9836122	17.98361
133322	MP400/BU	208-510	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
133348	MP400/BU/PS	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
13481	MVR150/U/WM GE	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
13490	MVR150/C/U/WM GE	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
135400	MS750/BU/PS	208-333	1	0.00984783	80.16	0.0003514	2.86	10.1991829	10.19918
13556	MH 150W/U/ED28/PS/740	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
140822	MH250/U 3PK	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
140855	MH175/U 3PK	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
14611	MP 70W/C/U/PS/3K	208-530	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
15332	MH 1000W/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
15332-CHILE	MH 1000W/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
15332-T	MH 1000W/U/BT37 TEFLON	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
15556	MH 175W/U/MED	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
15632	MHL 70W/U/ED17/PS/740	208-424	2	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.521561
15823	MH 100W/C/U/PS	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
16017	MH 70W/U/ED28/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
16017-CHILE	MH 70W/U/ED28/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
16419	MS 1650W/HOR/XP/SPORT60	208-236	1	0.01798361	146.39	0	0	17.9836122	17.98361
16497	MS 175W/BU/MED/PS/740	208-461	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
16557	HT 121 3000W GENERIC	208-098	1	0.02098088	170.78	0	0	20.9808808	20.98088
16786	MH-DE 70W/UVS/3K	208-247	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
17840	MH 175W/U/PS (GENERIC)	208-332	1	0.00056615	4.61	9.411E-05	0.77	0.66026422	0.660264
17921	MHL 575W/H75/BT37/PS/EM/	208-308	2	0	0	0.00096	7.81	0.95995733	1.919915
18360	MH 1500W/HBU	208-220	1	0.01131849	92.13	0	0	11.3184859	11.31849
18477	MS 250W/C/BU/3K	208-143	1	0.00056615	4.61	0	0	0.56615075	0.566151
18520	MH 400W/U	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
18679	MXR100/C/U/MED GE	208-522	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
18680	MXR100/U/MED GE	208-522	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
18692	MP 350W/400W/U/ED28/PS/	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291

18692-T	MP 350W/400W/U/ED28/PS/	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
18717	MP 175W/U/PS/740	208-18717-01	1	0.00056615	4.61	0.0001129	0.92	0.67908691	0.679087
19523	MP 250W/BU/PS/EM/950	208-262	1	0	0	0.000576	4.69	0.5759744	0.575974
19525	MP 250W/C/BU/PS/EM/950	208-262	1	0	0	0.000576	4.69	0.5759744	0.575974
19609	MPR320/C/PA/ED28 GE	208-395	1	0.00369327	30.06	7.529E-05	0.61	3.76856522	3.768565
19824	MH 400W/U/ED28/PS/740	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
20116	MHL 320W/H75/ED28/PS/740	208-396	2	0	0	0.0003162	2.57	0.31622124	0.632442
20753	MH 400W/C/U/ED28	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
207563	MP250/BU/PS	208-430	1	0.00214858	17.49	5.019E-05	0.41	2.19876926	2.198769
20897	MHL 575W/H75/BT37/PS/740	208-524	2	0.00853478	69.47	0.0004427	3.6	8.97749228	17.95498
20981	MS 175W/C/BU/3K	208-127	1	0.00056615	4.61	0	0	0.56615075	0.566151
21344	MH 150W/C/U/ED28/PS/737	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
21652	NUARC GW 114 1000W	200-018	1	0.01282762	104.42	0	0	12.8276173	12.82762
21785	MH 320W/U/ED37/PS/740	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
21929	MS 400W/HOR/ED28	208-043	1	0.00577692	47.02	0.0003795	3.09	6.15638784	6.156388
21982	MHL 100W/U/ED17/PS/740	208-774	2	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.660059
22132	MBIL S 2000W	208-075	1	0.01282762	104.42	0.0005195	4.23	13.3471236	13.34712
22145	MP 100W/C/U/ED28/PS/3K	208-537	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
22147	MP 200W/V/PS/740	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
22149	MP 350W/V/UVS/PS/740	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
22151	MBIL S 1500W	208-174	1	0.01131849	92.13	0.000253	2.06	11.5714628	11.57146
22158	MXR70/U/MED GE	208-307	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
22162	MXR70/C/U/MED GE	208-307	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
22187	MH 400W/U/BDX	208-694	1	0.00577692	47.02	0	0	5.77692235	5.776922
22365	MH 1000W/U/PDX	208-217	1	0.00984783	80.16	0	0	9.84782601	9.847826
22417	MBIL S 1000W	208-173	1	0.01131849	92.13	0.0003896	3.17	11.7081156	11.70812
22455	MP 150W/U/PS/740	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
22466	MP 70W/C/U/ED28/PS/3K	208-530	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
22486	MH 250W/U/BDX	208-842	1	0.00056615	4.61	0	0	0.56615075	0.566151
22522	MP 150W/U/PS/732	208-405	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
22528	MH-DE 1500W/T8/F	208-22528-04	1	0.01282762	104.42	0.0005844	4.76	13.4120619	13.41206
22619	MS 875W/BU/BT37/PS/740	208-312	1	0	0	0.0003012	2.45	0.30116308	0.301163
22888	MP 150W/C/U/PS/737	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
22935	MXR150/U/MED GE	208-122	1	0.00056615	4.61	0	0	0.56615075	0.566151
22936	MXR150/C/U/MED GE	208-122	1	0.00056615	4.61	0	0	0.56615075	0.566151
22961	MP 150W/C/U/PS/EM/950	208-369	1	0	0	0.000288	2.34	0.2879872	0.287987
232520	MS400/BU/ED28/PS	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
232538	MS400/HOR/ED28/PS	208-399	1	0.0051167	41.65	0.000506	4.12	5.62265664	5.622657
232801	MS250/U/PS	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
232835	MS400/U/PS	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
23498	MH 250W/U/GDX	208-762	1	0.00056615	4.61	0	0	0.56615075	0.566151
23589	MP 350W/400W/U/PS/740	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
24573	MS 400W/C/HOR/ED28	208-043	1	0.00577692	47.02	0.0003795	3.09	6.15638784	6.156388
24785	MPI 250W/BU/LU	208-259	1	0.00261607	21.29	0.0002599	2.12	2.87594804	2.875948
24983	MP 775W/BU/BT37/PS/950	208-286	1	0	0	0.0011519	9.38	1.1519488	1.151949
24988	MP 775W/BD/BT37/PS/950	208-286	1	0	0	0.0011519	9.38	1.1519488	1.151949
24999	MS 775W/H75/BT37/PS/950	208-515	1	0	0	0.0008047	6.55	0.80467012	0.80467
25028	MP 250W/U/PS/740	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
25029	MP 250W/C/U/PS/737	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
25532	MVR1650/HOR GE	208-236	1	0.01798361	146.39	0	0	17.9836122	17.98361
25779	HIT 150W/G12/UVS/4K	208-702	1	0.00056615	4.61	0	0	0.56615075	0.566151
25813	MP 125W/V/ED28/PS	208-171	1	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.33003
25950	MH 250W/U/PS GENERIC	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
26091	MPI 400W/C/BU	208-510	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
26189	MH 350W/400W/U/PS/740	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
26519	MH 1000W/U/BT37/PS	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
26851	MVR400/U/ED28/R GE	208-397	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
27252	MH 250W/U/5K	208-015	1	0.00056615	4.61	0	0	0.56615075	0.566151
27266	MH 100W/U/PS	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
274845	MH250/U	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
27564	MPI 250W/U	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
276618	MS250/BU/PS	208-430	1	0.00214858	17.49	5.019E-05	0.41	2.19876926	2.198769
276626	MS175/BU/PS	208-625	1	0.00214858	17.49	5.082E-05	0.41	2.19939668	2.199397
27845	MP 350W/C/V/PS/732	208-832	1	0.0051167	41.65	0.0003162	2.57	5.4329239	5.432924
281188	MP1000/BU	208-804	1	0.00984783	80.16	0	0	9.84782601	9.847826
281196	MP175/BU	208-244	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
281246	MP250/BU	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
28614	MH 400W/U/PS/740	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
28715	MPI 400W/U	208-510	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478

287284	MH175/C/U	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
287334	MH175/U	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
29145	MH 175W/U/PS/740	208-332	1	0.00056615	4.61	9.411E-05	0.77	0.66026422	0.660264
291690	MH250/C/U	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
29320	HID 10265 6500W	208-147	1	0.01282762	104.42	0	0	12.8276173	12.82762
30041	MP 50W/C/U/PS	208-287	1	0.00013188	1.07	1.88E-05	0.15	0.15070252	0.150703
30128	MH 200W/U/ED28/PS/740	208-30128-04	1	0.00214858	17.49	0.0001318	1.07	2.28033426	2.280334
30751	MH 1000W/U/PS GENERIC	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
30968	MXR70/U/MED/O GE	208-307	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
313585	MH175/U/M	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
313593	MH175/C/U/M	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
31928	MP 175W/C/U/PS/737	208-18717-01	1	0.00056615	4.61	0.0001129	0.92	0.67908691	0.679087
32028	MP 320W/U/ED28/PS/740	208-647	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
32029	MP 320W/C/U/ED28/PS/737	208-647	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
32037	MP 320W/U/ED37/PS/740	208-32037-02	1	0	0	0.0001004	0.82	0.1003877	0.100388
32039	MP 320W/C/U/ED37/PS/737	208-32037-02	1	0	0	0.0001004	0.82	0.1003877	0.100388
32100	MP 50W/U/PS	208-287	1	0.00013188	1.07	1.88E-05	0.15	0.15070252	0.150703
32147	MP 150W/C/U/ED28/PS/737	208-699	1	0.00056615	4.61	0	0	0.56615075	0.566151
321505	MH1000/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
32225	MS 400W/HOR/T15/3K	208-068	1	0.00577692	47.02	0	0	5.77692235	5.776922
32337	MH 1050W/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
32519	MPI 175W/BU	208-244	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
32520	MPI 175W/C/BU	208-244	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
325449	LUMAPRO GR MH250/U 12PK,	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
325456	LUMAPRO GR MH175/U 12PK,	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
325472	LUMAPRO GR MH175/U/M	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
325480	LUMAPRO GR MH1000/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
325514	LUMAPRO MS1000/BU/BT37PS	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
32556	MH 1050W/U	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
325613	LUMAPRO GR MH1000/U 6PK,	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
32587	HID 10888 1000W	208-097	1	0.01282762	104.42	0	0	12.8276173	12.82762
32840	MH 320W/U/ED28/PS (GENER	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
33149	MP 350W/BU/ED28/PS/EM/95	208-056	1	0	0	0.000672	5.47	0.67197013	0.67197
33479	MH 250W/U/T15	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
33851	MH-DE 150W/UVS/GDX	208-256	1	0.00214858	17.49	0	0	2.14857541	2.148575
33940	MH 750W/U/LU/BT37	208-698	1	0.01798361	146.39	0.0001897	1.54	18.1733449	18.17334
33950	HIT 250W/U/EURO/4K	208-166	1	0.00056615	4.61	0.0001907	1.55	0.75688737	0.756887
35281	MH 175W/C/U/PS/737	208-332	1	0.00056615	4.61	9.411E-05	0.77	0.66026422	0.660264
35426	MS 875W/BD/BT37/PS/740	208-312	1	0	0	0.0003012	2.45	0.30116308	0.301163
354621	MH150/U/M	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
35638	MH 125W/C/HBU/PS	208-171	1	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.33003
35892	MS 1000W/V/LU/BT37	208-214	1	0.00984783	80.16	0	0	9.84782601	9.847826
35914	MH 1000W/U/5K	208-218	1	0.00984783	80.16	0	0	9.84782601	9.847826
35985	MHL 150W/U/ED17/PS/740	208-754	1	0.00056615	4.61	0	0	0.56615075	0.566151
360198	MS1000/BU/BT37/PS	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
36297	MS 250W/BU	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
36813	MH 400W/U/5K	208-126	1	0.00577692	47.02	0	0	5.77692235	5.776922
37292	MP 575W/U/BT37/PS/740	208-60023-01	1	0	0	0.0002635	2.15	0.2635177	0.263518
37517	MH 250W/U/PS/740	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
37999	MH 1000W/U/BT37/PS/740	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
38029	MPI 360W/BU/EM	208-362	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
38063	HID 10266A 2000W	208-102	1	0.01282762	104.42	0	0	12.8276173	12.82762
38163	10266A 2000W GENERIC	208-102	1	0.01282762	104.42	0	0	12.8276173	12.82762
38197	MP 350W/C/BU/PS/EM/950	208-056	1	0	0	0.000672	5.47	0.67197013	0.67197
383810	MS320/U/PS	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
383877	MS350/BU/PS	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
39083	MH 150W/C/U/EM	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
391011	MP350/BU/PS	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
40013	MS 400W/BU/ED28	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
40020	MP 400W/U/ED28/UVS/PS/	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
40022	MP 400W/C/U/ED28/PS/737	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
40037	MP 400W/U/UVS/PS/740	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
40039	MP 400W/C/U/UVS/PS/737	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
40124	MS 400W/H75/ED28/PS/740	208-399	1	0.0051167	41.65	0.000506	4.12	5.62265664	5.622657
40335	MH 175W/U/T15	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
40389	MP 70W/U/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
40509	MS 400W/HOR	208-043	1	0.00577692	47.02	0.0003795	3.09	6.15638784	6.156388
40812	MH 250W/C/U/PS/737	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
40950	MH 400W/U/PS GENERIC	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993

41256	MHL 125W/U/ED17/PS/740	208-352	2	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.660059
415224	MH1000/U	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
41569	MH 320W/C/U/ED37/PS/737	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
41686	MP 875W/C/BU/BT37/PS/737	208-313	1	0	0	0.0002008	1.63	0.20077539	0.200775
432302	MH400/C/U	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
43926	MHL 575W/BU/BT37/PS/EM/	208-303	2	0	0	0.0012479	10.16	1.24794453	2.495889
43934	MH 400W/C/U/PS/737	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
44810	MH 150W/U/EM	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
44872	MP 200W/C/V/PS/732	208-425	1	0.00214858	17.49	0.0001299	1.06	2.27851473	2.278515
45424	MP 70W/U/PS/3K	208-530	1	0.00022314	1.82	5.019E-05	0.41	0.27332918	0.273329
45541	MP 400W/C/V/PS/737	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
45666	MVR320/VBU/XHO/PA GE	208-395	1	0.00369327	30.06	7.529E-05	0.61	3.76856522	3.768565
45669	MVR320/C/VBU/XHO/PA GE	208-395	1	0.00369327	30.06	7.529E-05	0.61	3.76856522	3.768565
45670	MXR50/U/MED/O GE	208-519	1	0.00013188	1.07	0	0	0.13187982	0.13188
45671	MXR50/C/U/MED/O GE	208-519	1	0.00013188	1.07	0	0	0.13187982	0.13188
45683	MXR150/U/MED/O GE	208-405	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
45688	MXR150/C/U/MED/O GE	208-405	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
46105	MHL 150W/U/ED28/PS/740	208-754	2	0.00056615	4.61	0	0	0.56615075	1.132302
46271	MVR400/VBU/ED28/PA GE	208-398	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
46272	MVR400/C/VBU/ED28/PA GE	208-398	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
46273	MPR400/VBU/XHO/PA GE	208-398	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
46274	MPR400/C/VBU/XHO/PA GE	208-398	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
46275	MPR320/VBU/XHO/PA GE	208-395	1	0.00369327	30.06	7.529E-05	0.61	3.76856522	3.768565
46276	MPR320/C/VBU/XHO/PA GE	208-395	1	0.00369327	30.06	7.529E-05	0.61	3.76856522	3.768565
46959	MS 350W/H75/ED28/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
47503	MS 1000W/HOR/SPORT60	208-234	1	0.01131849	92.13	0	0	11.3184859	11.31849
47549	MS 320W/H75/ED28/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
47642	NUARC KT 38 5000W	208-099	1	0.02098088	170.78	0	0	20.9808808	20.98088
47742	KT 38 5000W GENERIC	208-099	1	0.02098088	170.78	0	0	20.9808808	20.98088
47815	MH 400W/C/U/ED28/PS/737	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
47856	NUARC PM78 5000W	208-141	1	0.02098088	170.78	0	0	20.9808808	20.98088
47887	MP 350W/V/ED28/UVS/PS/	208-426	1	0	0	0.0001506	1.23	0.15058154	0.150582
47956	PM 78 5000W GENERIC	208-141	1	0.02098088	170.78	0	0	20.9808808	20.98088
48768	HIT 250W/U/LU/740	208-198	1	0.00261607	21.29	0.0002599	2.12	2.87594804	2.875948
48824	MPR350/C/VBU/PA GE	208-620	1	0.00577692	47.02	0.0001506	1.23	5.9275039	5.927504
49111	MS 1000W/HOR/T25/PS/734	208-088	1	0.01131849	92.13	0	0	11.3184859	11.31849
49470	MPR175/VBU/O GE	208-244	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
49471	MPR250/VBU/O GE	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
50250	MH250/U/ED28/PS	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689
50268	MH 350W/400W/U/ED28/PS/	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
50320	MH320/U/ED28/PS	208-297	1	0.00307773	25.05	0.0001004	0.82	3.1781164	3.178116
50400	MH400/U/ED28/PS	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
51352	MP 350W/400W/C/U/PS/737	208-347	1	0	0	7.529E-05	0.61	0.07529077	0.075291
51444	MH 400W/U/ED28/PS(GENERI	208-298	1	0.0051167	41.65	7.529E-05	0.61	5.19199343	5.191993
51628	MP 350W/BU/PS/EM/950	208-056	1	0	0	0.000672	5.47	0.67197013	0.67197
52134	MH 400W/U/LU	208-397	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
52312	MH 50W/U/PS	208-287	1	0.00013188	1.07	1.88E-05	0.15	0.15070252	0.150703
52522	MS 175W/C/BU/MED/3K	208-127	1	0.00056615	4.61	0	0	0.56615075	0.566151
52980	MS 350W/V/ED28/PS/740	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
52983	HIT 70W/G12/UVS/4K	208-316	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
53702	MS 1000W/HOR/BT37/3K	208-234	1	0.01131849	92.13	0	0	11.3184859	11.31849
54231	MHL 100W/C/U/ED17/PS/737	208-774	2	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.660059
54768	M100X/U/MED	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
54843	MS 250W/HOR/T15/3K	208-142	1	0.00056615	4.61	0	0	0.56615075	0.566151
54866	M175X/U/MED	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
55087	MS 175W/BU	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
55100	MS 400W/HOR/T15	208-043	1	0.00577692	47.02	0.0003795	3.09	6.15638784	6.156388
55401	MP 350W/C/V/ED28/PS/737	208-426	1	0	0	0.0001506	1.23	0.15058154	0.150582
55422	MH 400W/U/T15	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
55844	MH 400W/U/ADX	208-557	1	0.00577692	47.02	0	0	5.77692235	5.776922
56412	MHL 875W/H75/BT37/PS/740	208-375	2	0	0	0.0005692	4.63	0.56919823	1.138396
56423	MP 575W/H75/T25/PS/740	208-314	1	0.00853478	69.47	0.0003162	2.57	8.85100378	8.851004
56999	MH 1000W/U/PS/740	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
57129	MP 400W/BU/PS/EM/950	208-060	1	0	0	0.000768	6.25	0.76796587	0.767966
57330	MS 175W/HOR	208-120	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
57518	HID 10431 1000W	208-028	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
57540	MH 400W/U/ED28	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
57625	MS 250W/H75/T15/PS/740	208-534	1	0.00307773	25.05	0.0001265	1.03	3.2042172	3.204217
57626	MS 320W/H75/T15/S/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221

57739	MS 200W/V/PS/740	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
58788	MS 400W/H75/PS/740	208-399	1	0.0051167	41.65	0.000506	4.12	5.62265664	5.622657
58953	MP 875W/BU/BT37/PS/740	208-313	1	0	0	0.0002008	1.63	0.20077539	0.200775
58963	MP 150W/U/ED28/PS/740	208-699	1	0.00056615	4.61	0	0	0.56615075	0.566151
59174	MP 200W/C/V/PS/737	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
59194	MS 320W/V/ED28/PS/740	208-681	1	0.00307773	25.05	7.529E-05	0.61	3.15301948	3.153019
59216	MP 450W/C/BU/PS/737	208-046	1	0.00770049	62.68	0.0001265	1.03	7.82698276	7.826983
59324	MP 250W/H75/T15/PS/EM/95	208-559	1	0	0	0.000576	4.69	0.5759744	0.575974
59441	MH 400W/U/LU/ED28	208-397	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
60020	MP 575W/C/BU/BT37/PS/737	208-231	1	0.00853478	69.47	0.0002008	1.63	8.73555793	8.735558
60023	MP 575W/BU/BT37/PS/740	208-231	1	0.00853478	69.47	0.0002008	1.63	8.73555793	8.735558
60224	MH 320W/U (ED37 PS 4K)	208-681	1	0.00307773	25.05	7.529E-05	0.61	3.15301948	3.153019
60248	MH-DE 70W/UVS/4K	208-572	1	0.00022314	1.82	5.647E-05	0.46	0.27960341	0.279603
60258	MS 350W/H75/T15/S/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
60260	MS 400W/H75/T15/S/PS/740	208-399	1	0.0051167	41.65	0.000506	4.12	5.62265664	5.622657
60375	MHL 200W/H75/ED28/PS/740	208-070	2	0.00214858	17.49	0.0001897	1.54	2.33830815	4.676616
60722	MPI 250W/BU	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
60723	MPI 250W/C/BU	208-261	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
60811	MS 200W/BU/MED/PS/740	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
60812	MS 200W/C/BU/MED/PS/737	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
61290	MH 250W/C/U	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
61325	MPR175/VBU/PA/O GE	208-419	1	0.00056615	4.61	5.647E-05	0.46	0.62261883	0.622619
61326	MPR250/VBU/PA/O GE	208-430	1	0.00214858	17.49	5.019E-05	0.41	2.19876926	2.198769
61914	MH 125W/HBU/ED28/PS	208-171	1	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.33003
62948	MPI 1000W/BU	208-804	1	0.00984783	80.16	0	0	9.84782601	9.847826
63052	MH 250W/U	208-183	1	0.00073577	5.99	0.0002599	2.12	0.99564816	0.995648
63187	MH 175W/C/U/MED	208-315	1	0.00056615	4.61	7.529E-05	0.61	0.64144152	0.641442
65072	MP 450W/BU/PS/740	208-046	1	0.00770049	62.68	0.0001265	1.03	7.82698276	7.826983
65218	MP 350W/H75/PS/740	208-758	1	0	0	0.0002008	1.63	0.20077539	0.200775
65413	MHL 250W/H75/ED28/PS/740	208-534	2	0.00307773	25.05	0.0001265	1.03	3.2042172	6.408434
66525	MPL 100W/U/ED28/PS/740	208-774	2	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.660059
66526	MPL 150W/U/ED28/PS/740	208-363	2	0.00056615	4.61	0	0	0.56615075	1.132302
67115	MP 70W/C/U/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
67293	MPI 360W/C/BU/EM	208-362	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
67712	MS 320W/C/V/ED37/PS/737	208-681	1	0.00307773	25.05	7.529E-05	0.61	3.15301948	3.153019
67868	MH 100W/U/ED28/PS	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
68475	MS 175W/BU/PS/740	208-625	1	0.00214858	17.49	5.082E-05	0.41	2.19939668	2.199397
68735	MHL 575W/BU/BT37/PS/740	208-231	2	0.00853478	69.47	0.0002008	1.63	8.73555793	17.47112
69559	MH 150W/U/ED28/EM	208-317	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
69854	MP 175W/BU/UVS/PS/740	208-419	1	0.00056615	4.61	5.647E-05	0.46	0.62261883	0.622619
70345	MS 200W/C/V/PS/737	208-462	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
70764	MS 200W/H75/T15/PS/740	208-344	1	0	0	0.0001265	1.03	0.1264885	0.126489
71329	MS 350W/C/V/PS/737	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
71638	MHL 250W/C/V/ED28/PS/737	208-757	2	0.00214858	17.49	7.529E-05	0.61	2.22386618	4.447732
71722	MS 1000W/BU/BT37/PS/740	208-337	1	0.00984783	80.16	0	0	9.84782601	9.847826
72047	MH 175W/U GENERIC	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
72051	MH 1000W/U	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
72190	MH 400W/C/U/LU	208-397	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
72315	MP 400W/BU/ED28/PS/EM/95	208-060	1	0	0	0.000768	6.25	0.76796587	0.767966
72882	MVR250/HOR/PA GE	208-505	1	0.00307773	25.05	0.0003162	2.57	3.39394994	3.39395
72884	MVR320HOR/ED28/PA GE	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
72885	MVR400/HOR/ED28/PA GE	208-399	1	0.0051167	41.65	0.000506	4.12	5.62265664	5.622657
73189	MP 400W/H75/T15/L/PS/740	208-295	1	0.0051167	41.65	0	0	5.11670266	5.116703
73531	MS 400W/V/PS/740	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
73532	MS 420W/BU/ER	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
74756	MH-DE 150W/UVS/4K	208-701	1	0.00056615	4.61	0	0	0.56615075	0.566151
74892	MS 875W/H75/BT37/PS/740	208-375	1	0	0	0.0005692	4.63	0.56919823	0.569198
75418	MH 150W/U/ED23.5/PS/740	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
76602	MH 125W/HBU/PS	208-171	1	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.33003
78138	MH 70W/U/PS	208-274	1	0.00022314	1.82	3.765E-05	0.31	0.26078072	0.260781
78952	MS 1000W/BU/T25	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
79710	MS 320W/H75/T15/L/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
79986	MH 100W/C/U/ED28/PS	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
80039	MP 150W/C/U/PS/732	208-405	1	0.00056615	4.61	5.019E-05	0.41	0.6163446	0.616345
80091	MS 1000W/HOR/BT37/4K	208-204	1	0.01131849	92.13	0	0	11.3184859	11.31849
80101	NUARC HT 162 3000W	800-877	1	0.02098088	170.78	0	0	20.9808808	20.98088
80263	MOBI 1500W/CLEAR	208-176	1	0.01131849	92.13	0.000253	2.06	11.5714628	11.57146
82070	MS 1500W/HOR/XP/SPORT60	208-235	1	0.01798361	146.39	0	0	17.9836122	17.98361
83545	MH 400W/C/U	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899

85260	MS 400W/V/ED28/PS/740	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
87645	MPI 330W/U/EM	208-722	1	0.00307773	25.05	7.529E-05	0.61	3.15301948	3.153019
88247	HIE 200W/U/PS/740	208-421	1	0.00056615	4.61	5.647E-05	0.46	0.62261883	0.622619
88353	MS 250W/HOR/T15	208-045	1	0.00056615	4.61	0.0002599	2.12	0.8260294	0.826029
88791	MH 175W/U	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
89410	MP 400W/C/BU/PS/EM/950	208-060	1	0	0	0.000768	6.25	0.76796587	0.767966
89789	HID 10725 1000W	208-146	1	0.01282762	104.42	0	0	12.8276173	12.82762
89887	HIT 100W/G12/UVS/4K	208-121	1	0.00056615	4.61	9.537E-05	0.78	0.66151906	0.661519
89889	10725 1000W GENERIC	208-146	1	0.01282762	104.42	0	0	12.8276173	12.82762
89896	MH 1000W/U/BDX	208-243	1	0.01282762	104.42	0	0	12.8276173	12.82762
90009	MH 400W/U GENERIC	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
90195	MH 875W/U/BT37/PS/740	208-375	1	0	0	0.0005692	4.63	0.56919823	0.569198
90746	MH 100W/U/PS GENERIC	208-117	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
91051	MH 250W/U/LU	208-012	1	0.00261607	21.29	0.0002599	2.12	2.87594804	2.875948
91844	MPI 330W/C/BU/EM	208-721	1	0.00307773	25.05	9.411E-05	0.77	3.17184217	3.171842
93256	MHL 125W/U/ED28/PS/740	208-352	1	0.00029238	2.38	3.765E-05	0.31	0.33002961	0.33003
93749	MS 350W/H75/T15/L/PS/740	208-396	1	0	0	0.0003162	2.57	0.31622124	0.316221
94986	MH 150W/C/U/PS/737	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
95071	MP 70W/U/PS/EM/950	208-299	1	0	0	0.0001008	0.82	0.10079552	0.100796
95100	MP 100W/U/PS/EM/950	208-528	1	0	0	0.000384	3.13	0.38398293	0.383983
95123	MP 320W/C/BU/ED37/PS/EM/	208-543	1	0	0	0.000576	4.69	0.5759744	0.575974
95150	MP 150W/U/PS/EM/950	208-369	1	0	0	0.000288	2.34	0.2879872	0.287987
95152	MP 150W/U/ED28/PS/EM/950	208-369	1	0	0	0.000288	2.34	0.2879872	0.287987
95175	MP 175W/BU/PS/EM/950	208-304	1	0	0	0.000192	1.56	0.19199147	0.191991
95176	MP 175W/BU/MED/PS/EM/950	208-304	1	0	0	0.000192	1.56	0.19199147	0.191991
95200	MP 200W/BU/PS/EM/950	208-302	1	0	0	0.00048	3.91	0.47997867	0.479979
95320	MP 320W/H75/T15/S/PS/EM/	208-523	1	0	0	0.000768	6.25	0.76796587	0.767966
95321	MP 320W/H75/T15/L/PS/EM/	208-523	1	0	0	0.000768	6.25	0.76796587	0.767966
95527	MPI 400W/BU	208-510	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
95575	MP 575W/BU/BT37/PS/EM/	208-323	1	0	0	0.00096	7.81	0.95995733	0.959957
95577	MS 575W/H75/BT37/PS/EM/	208-863	1	0	0	0.0012479	10.16	1.24794453	1.247945
96267	MP 100W/U/PS	208-433	1	0.00035718	2.91	3.765E-05	0.31	0.3948239	0.394824
96627	MH 175W/C/U	208-125	1	0.00056615	4.61	0.0001299	1.06	0.69609008	0.69609
96770	MP 100W/U/PS/3K	208-537	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
98389	MS 350W/V/PS/740	208-361	1	0.0051167	41.65	0.0002008	1.63	5.31747805	5.317478
98434	MHL 200W/V/ED28/PS/740	208-755	1	0.00214858	17.49	5.647E-05	0.46	2.20504349	2.205043
98520	MP 320W/BU/ED37/UVS/PS/	208-543	1	0	0	0.000576	4.69	0.5759744	0.575974
98530	MP 320W/BU/ED28/UVS/PS/	208-543	1	0	0	0.000576	4.69	0.5759744	0.575974
98748	HIT 400W/U/LU/740	208-207	1	0.00577692	47.02	0.0001897	1.54	5.9666551	5.966655
99584	MH 150W/U/PS/740	208-363	1	0.00056615	4.61	0	0	0.56615075	0.566151
22119	MS 400/HOR/AS	208-052	1	0.00577692	47.02	0	0	5.77692235	5.776922
22169	SM.400W.FULLNOVA	208-329	1	0	0	0.000864	7.03	0.8639616	0.863962
22897	MS 1000/HOR/BT37/AS	208-234	1	0.01131849	92.13	0	0	11.3184859	11.31849
41983	SM.1000W.FULLNOVA	208-331	1	0	0	0.0023999	19.54	2.39989333	2.399893
41985	SM.DE.1000W.FULLNOVA	208-348	1	0	0	0.0011519	9.38	1.1519488	1.151949
61492	SM.600W.COOL	208-955	1	0.00980935	79.85	0	0	9.8093544	9.809354
62847	SM.1000W.FINISH	208-512	1	0	0	0.0002008	1.63	0.20077539	0.200775
80099	SM.1000W.COOL	208-059	1	0.01131849	92.13	0	0	11.3184859	11.31849
80150	LM.1000W.U37.4.0K	208-214	1	0.00984783	80.16	0	0	9.84782601	9.847826
80308	SM.1000W.U37.3.2K	208-202	1	0.00984783	80.16	0.0005195	4.23	10.3673323	10.36733
80309	SM.400W.COOL	208-828	1	0.00577692	47.02	0	0	5.77692235	5.776922
80490	SM.600W.FULLNOVA	208-343	1	0	0	0.0013439	10.94	1.34394026	1.34394
190012	MXR100/U/MED/LTP GE	208-522	1	0.00035718	2.91	9.537E-05	0.78	0.45254683	0.452547
24884	MH 250W/U/ADX	208-951	1	0.00056615	4.61	0	0	0.56615075	0.566151
321505	MH1000/U/BT37	208-201	1	0.00984783	80.16	0	0	9.84782601	9.847826
33891	MH 400W/U/PDX	208-885	1	0.00577692	47.02	0	0	5.77692235	5.776922
38163	10266A 2000W GENERIC	208-102	1	0.01282762	104.42	0	0	12.8276173	12.82762
47642	NUARC KT 38 5000W	208-099	1	0.02098088	170.78	0	0	20.9808808	20.98088
51208	MP 350W/H75/T15/L/PS/740	208-758	1	0	0	0.0002008	1.63	0.20077539	0.200775
64171	MS175/PS/BU-ONLY/MED	208-290	1	0.00214858	17.49	5.019E-05	0.41	2.19876926	2.198769
64815	MS175/PS/BU-ONLY	208-625	1	0.00214858	17.49	5.082E-05	0.41	2.19939668	2.199397
71000	MP1000/BU	208-804	1	0.00984783	80.16	0	0	9.84782601	9.847826
72748	MH-DE 250W/UVS/4K/Fc2	208-624	1	0.00307773	25.05	0.0001265	1.03	3.2042172	3.204217
74625	MHL 350W/V/BT37/PS/740	208-309	1	0.0051167	41.65	0.0001506	1.23	5.2672842	5.267284
89113	MS 1000W/BU	208-741	1	0.00984783	80.16	0	0	9.84782601	9.847826
16455	NUARC HT 121 3000W	208-098	1	0.02098088	170.78	0	0	20.9808808	20.98088
18520-T	MH 400W/U TEFLON	208-042	1	0.00577692	47.02	0.000253	2.06	6.02989935	6.029899
22151	MBIL S 1500W	208-174	1	0.01131849	92.13	0.000253	2.06	11.5714628	11.57146
25028-T	MP 250W/U/PS/740	208-400	1	0.00214858	17.49	9.411E-05	0.77	2.24268887	2.242689

46895	MHL 250W/V/ED28/PS/740	208-757	2	0.00214858	17.49	7.529E-05	0.61	2.22386618	4.447732
74625	MHL 350W/V/BT37/PS/740	208-309	2	0.0051167	41.65	0.0001506	1.23	5.2672842	10.53457
84727	MH-DE 250W/UVS/3K/Fc2	208-612	1	0.00257829	20.99	0	0	2.57829049	2.57829

Max Thorium Content **20.98088**