

## Appendix B

## 240 Angle DORT Quadrature

Table B1. Angular intervals used in the discrete ordinates calculation for Hiroshima

	weight	mu	eta		weight	mu	eta
1	0.0000+00	-6.41230-02	-9.97942-01	60	3.26901-03	5.24503-01	-5.28222-01
2	1.02900-03	-4.21582-02	-9.97942-01	61	7.16550-03	7.95106-01	-5.28222-01
3	1.02900-03	4.21582-02	-9.97942-01	62	0.00000+00	-8.85925-01	-4.63828-01
4	0.00000+00	-1.42963-01	-9.89728-01	63	7.45915-03	-8.29582-01	-4.63828-01
5	3.07825-03	-9.39923-02	-9.89728-01	64	3.40298-03	-5.47246-01	-4.63828-01
6	3.07825-03	9.39923-02	-9.89728-01	65	5.55965-03	-1.91013-01	-4.63828-01
7	0.00000+00	-2.29252-01	-9.73367-01	66	5.55965-03	1.91013-01	-4.63828-01
8	5.10200-03	-1.50724-01	-9.73367-01	67	3.40298-03	5.47246-01	-4.63828-01
9	5.10200-03	1.50724-01	-9.73367-01	68	7.45915-03	8.29582-01	-4.63828-01
10	0.00000+00	-3.15291-01	-9.48995-01	69	0.00000+00	-9.17890-01	-3.96835-01
11	7.08425-03	-2.07291-01	-9.48995-01	70	7.75565-03	-8.59514-01	-3.96835-01
12	7.08425-03	2.07291-01	-9.48995-01	71	3.53825-03	-5.66991-01	-3.96835-01
13	0.00000+00	-3.99349-01	-9.16799-01	72	5.78064-03	-1.97905-01	-3.96835-01
14	9.01350-03	-2.62555-01	-9.16799-01	73	5.78064-03	1.97905-01	-3.96835-01
15	9.01350-03	2.62555-01	-9.16799-01	74	3.53825-03	5.66991-01	-3.96835-01
16	0.00000+00	-4.72796-01	-8.81172-01	75	7.75565-03	8.59514-01	-3.96835-01
17	5.63869-03	-4.11087-01	-8.81172-01	76	0.00000+00	-9.44812-01	-3.27613-01
18	3.16131-03	-1.43488-01	-8.81172-01	77	4.89468-03	-9.22954-01	-3.27613-01
19	3.16131-03	1.43488-01	-8.81172-01	78	3.86282-03	-7.65692-01	-3.27613-01
20	5.63869-03	4.11087-01	-8.81172-01	79	5.13536-03	-5.05099-01	-3.27613-01
21	0.00000+00	-5.37046-01	-8.43553-01	80	3.64389-03	-1.76303-01	-3.27613-01
22	6.41385-03	-4.66952-01	-8.43553-01	81	3.64389-03	1.76303-01	-3.27613-01
23	3.59590-03	-1.62988-01	-8.43553-01	82	5.13536-03	5.05099-01	-3.27613-01
24	3.59590-03	1.62988-01	-8.43553-01	83	3.86282-03	7.65692-01	-3.27613-01
25	6.41385-03	4.66952-01	-8.43553-01	84	4.89468-03	9.22954-01	-3.27613-01
26	0.00000+00	-5.98374-01	-8.01217-01	85	0.00000+00	-9.66490-01	-2.56704-01
27	7.14976-03	-5.20275-01	-8.01217-01	86	5.00102-03	-9.44130-01	-2.56704-01
28	4.00849-03	-1.81600-01	-8.01217-01	87	3.94674-03	-7.83260-01	-2.56704-01
29	4.00849-03	1.81600-01	-8.01217-01	88	5.24693-03	-5.16688-01	-2.56704-01
30	7.14976-03	5.20275-01	-8.01217-01	89	3.72306-03	-1.80348-01	-2.56704-01
31	0.00000+00	-6.56401-01	-7.54412-01	90	3.72306-03	1.80348-01	-2.56704-01
32	7.84547-03	-5.70729-01	-7.54412-01	91	5.24693-03	5.16688-01	-2.56704-01
33	4.39853-03	-1.99211-01	-7.54412-01	92	3.94674-03	7.83260-01	-2.56704-01
34	4.39853-03	1.99211-01	-7.54412-01	93	5.00102-03	9.44130-01	-2.56704-01
35	7.84547-03	5.70729-01	-7.54412-01	94	0.00000+00	-9.82847-01	-1.84425-01
36	0.00000+00	-7.11034-01	-7.03158-01	95	5.08580-03	-9.60108-01	-1.84425-01
37	8.57529-03	-6.18231-01	-7.03158-01	96	4.01365-03	-7.96516-01	-1.84425-01
38	4.80771-03	-2.15791-01	-7.03158-01	97	5.33587-03	-5.25433-01	-1.84425-01
39	4.80771-03	2.15791-01	-7.03158-01	98	3.78617-03	-1.83400-01	-1.84425-01
40	8.57529-03	6.18231-01	-7.03158-01	99	3.78617-03	1.83400-01	-1.84425-01
41	0.00000+00	-7.61567-01	-6.48086-01	100	5.33587-03	5.25433-01	-1.84425-01
42	6.42875-03	-7.13133-01	-6.48086-01	101	4.01365-03	7.96516-01	-1.84425-01
43	2.93289-03	-4.70428-01	-6.48086-01	102	5.08580-03	9.60108-01	-1.84425-01
44	4.79164-03	-1.64201-01	-6.48086-01	103	0.00000+00	-9.93815-01	-1.11045-01
45	4.79164-03	1.64201-01	-6.48086-01	104	5.15474-03	-9.70823-01	-1.11045-01
46	2.93289-03	4.70428-01	-6.48086-01	105	4.06806-03	-8.05405-01	-1.11045-01
47	6.42875-03	7.13133-01	-6.48086-01	106	5.40820-03	-5.31297-01	-1.11045-01
48	0.00000+00	-8.07567-01	-5.89776-01	107	3.83750-03	-1.85447-01	-1.11045-01
49	6.81415-03	-7.56207-01	-5.89776-01	108	3.83750-03	1.85447-01	-1.11045-01
50	3.10872-03	-4.98843-01	-5.89776-01	109	5.40820-03	5.31297-01	-1.11045-01
51	5.07890-03	-1.74119-01	-5.89776-01	110	4.06806-03	8.05405-01	-1.11045-01
52	5.07890-03	1.74119-01	-5.89776-01	111	5.15474-03	9.70823-01	-1.11045-01
53	3.10872-03	4.98843-01	-5.89776-01	112	0.00000+00	-9.99313-01	-3.70540-02
54	6.81415-03	7.56207-01	-5.89776-01	113	5.17107-03	-9.76194-01	-3.70540-02
55	0.00000+00	-8.49108-01	-5.28222-01	114	4.08094-03	-8.09860-01	-3.70540-02
56	7.16550-03	-7.95106-01	-5.28222-01	115	5.42534-03	-5.34236-01	-3.70540-02
57	3.26901-03	-5.24503-01	-5.28222-01	116	3.84965-03	-1.86473-01	-3.70540-02
58	5.34077-03	-1.83075-01	-5.28222-01	117	3.84965-03	1.86473-01	-3.70540-02
59	5.34077-03	1.83075-01	-5.28222-01	118	5.42534-03	5.34236-01	-3.70540-02

# Radiation Transport Calculations for Hiroshima and Nagasaki

**Table B1. Continued**

	weight	mu	eta		weight	mu	eta
119	4.08094-03	8.09860-01	-3.70540-02	180	3.26901-03	5.24503-01	5.28222-01
120	5.17107-03	9.76194-01	-3.70540-02	181	7.16550-03	7.95106-01	5.28222-01
121	0.00000+00	-6.41230-02	9.97942-01	182	0.00000+00	-8.85925-01	4.63828-01
122	1.02900-03	-4.21582-02	9.97942-01	183	7.45915-03	-8.29582-01	4.63828-01
123	1.02900-03	4.21582-02	9.97942-01	184	3.40298-03	-5.47246-01	4.63828-01
124	0.00000+00	-1.42963-01	9.89728-01	185	5.55965-03	-1.91013-01	4.63828-01
125	3.07825-03	-9.39923-02	9.89728-01	186	5.55965-03	1.91013-01	4.63828-01
126	3.07825-03	9.39923-02	9.89728-01	187	3.40298-03	5.47246-01	4.63828-01
127	0.00000+00	-2.29252-01	9.73367-01	188	7.45915-03	8.29582-01	4.63828-01
128	5.10200-03	-1.50724-01	9.73367-01	189	0.00000+00	-9.17890-01	3.96835-01
129	5.10200-03	1.50724-01	9.73367-01	190	7.75565-03	-8.59514-01	3.96835-01
130	0.00000+00	-3.15291-01	9.48995-01	191	3.53825-03	-5.66991-01	3.96835-01
131	7.08425-03	-2.07291-01	9.48995-01	192	5.78064-03	-1.97905-01	3.96835-01
132	7.08425-03	2.07291-01	9.48995-01	193	5.78064-03	1.97905-01	3.96835-01
133	0.00000+00	-3.99349-01	9.16799-01	194	3.53825-03	5.66991-01	3.96835-01
134	9.01350-03	-2.62555-01	9.16799-01	195	7.75565-03	8.59514-01	3.96835-01
135	9.01350-03	2.62555-01	9.16799-01	196	0.00000+00	-9.44812-01	3.27613-01
136	0.00000+00	-4.72796-01	8.81172-01	197	4.89468-03	-9.22954-01	3.27613-01
137	5.63869-03	-4.11087-01	8.81172-01	198	3.86282-03	-7.65692-01	3.27613-01
138	3.16131-03	-1.43488-01	8.81172-01	199	5.13536-03	-5.05099-01	3.27613-01
139	3.16131-03	1.43488-01	8.81172-01	200	3.64389-03	-1.76303-01	3.27613-01
140	5.63869-03	4.11087-01	8.81172-01	201	3.64389-03	1.76303-01	3.27613-01
141	0.00000+00	-5.37046-01	8.43553-01	202	5.13536-03	5.05099-01	3.27613-01
142	6.41385-03	-4.66952-01	8.43553-01	203	3.86282-03	7.65692-01	3.27613-01
143	3.59590-03	-1.62988-01	8.43553-01	204	4.89468-03	9.22954-01	3.27613-01
144	3.59590-03	1.62988-01	8.43553-01	205	0.00000+00	-9.66490-01	2.56704-01
145	6.41385-03	4.66952-01	8.43553-01	206	5.00102-03	-9.44130-01	2.56704-01
146	0.00000+00	-5.98374-01	8.01217-01	207	3.94674-03	-7.83260-01	2.56704-01
147	7.14976-03	-5.20275-01	8.01217-01	208	5.24693-03	-5.16688-01	2.56704-01
148	4.00849-03	-1.81600-01	8.01217-01	209	3.72306-03	-1.80348-01	2.56704-01
149	4.00849-03	1.81600-01	8.01217-01	210	3.72306-03	1.80348-01	2.56704-01
150	7.14976-03	5.20275-01	8.01217-01	211	5.24693-03	5.16688-01	2.56704-01
151	0.00000+00	-6.56401-01	7.54412-01	212	3.94674-03	7.83260-01	2.56704-01
152	7.84547-03	-5.70729-01	7.54412-01	213	5.00102-03	9.44130-01	2.56704-01
153	4.39853-03	-1.99211-01	7.54412-01	214	0.00000+00	-9.82847-01	1.84425-01
154	4.39853-03	1.99211-01	7.54412-01	215	5.08580-03	-9.60108-01	1.84425-01
155	7.84547-03	5.70729-01	7.54412-01	216	4.01365-03	-7.96516-01	1.84425-01
156	0.00000+00	-7.11034-01	7.03158-01	217	5.33587-03	-5.25433-01	1.84425-01
157	8.57529-03	-6.18231-01	7.03158-01	218	3.78617-03	-1.83400-01	1.84425-01
158	4.80771-03	-2.15791-01	7.03158-01	219	3.78617-03	1.83400-01	1.84425-01
159	4.80771-03	2.15791-01	7.03158-01	220	5.33587-03	5.25433-01	1.84425-01
160	8.57529-03	6.18231-01	7.03158-01	221	4.01365-03	7.96516-01	1.84425-01
161	0.00000+00	-7.61567-01	6.48086-01	222	5.08580-03	9.60108-01	1.84425-01
162	6.42875-03	-7.13133-01	6.48086-01	223	0.00000+00	-9.93815-01	1.11045-01
163	2.93289-03	-4.70428-01	6.48086-01	224	5.15474-03	-9.70823-01	1.11045-01
164	4.79164-03	-1.64201-01	6.48086-01	225	4.06806-03	-8.05405-01	1.11045-01
165	4.79164-03	1.64201-01	6.48086-01	226	5.40820-03	-5.31297-01	1.11045-01
166	2.93289-03	4.70428-01	6.48086-01	227	3.83750-03	-1.85447-01	1.11045-01
167	6.42875-03	7.13133-01	6.48086-01	228	3.83750-03	1.85447-01	1.11045-01
168	0.00000+00	-8.07567-01	5.89776-01	229	5.40820-03	5.31297-01	1.11045-01
169	6.81415-03	-7.56207-01	5.89776-01	230	4.06806-03	8.05405-01	1.11045-01
170	3.10872-03	-4.98843-01	5.89776-01	231	5.15474-03	9.70823-01	1.11045-01
171	5.07890-03	-1.74119-01	5.89776-01	232	0.00000+00	-9.99313-01	3.70540-02
172	5.07890-03	1.74119-01	5.89776-01	233	5.17107-03	-9.76194-01	3.70540-02
173	3.10872-03	4.98843-01	5.89776-01	234	4.08094-03	-8.09860-01	3.70540-02
174	6.81415-03	7.56207-01	5.89776-01	235	5.42534-03	-5.34236-01	3.70540-02
175	0.00000+00	-8.49108-01	5.28222-01	236	3.84965-03	-1.86473-01	3.70540-02
176	7.16550-03	-7.95106-01	5.28222-01	237	3.84965-03	1.86473-01	3.70540-02
177	3.26901-03	-5.24503-01	5.28222-01	238	5.42534-03	5.34236-01	3.70540-02
178	5.34077-03	-1.83075-01	5.28222-01	239	4.08094-03	8.09860-01	3.70540-02
179	5.34077-03	1.83075-01	5.28222-01	240	5.17107-03	9.76194-01	3.70540-02