

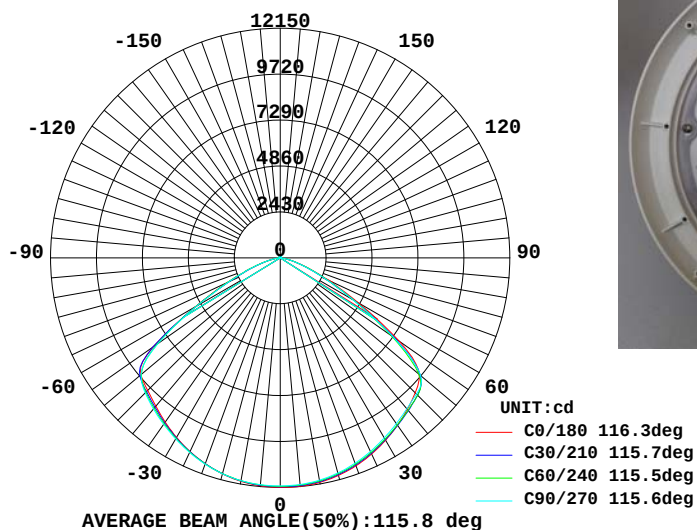
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 200W 5000K 70Ra 120deg		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4972	DIMENSION: 300x300x113	SERIAL No.:

DATA OF LAMP		Imax(cd)	12150	S/MH(C0/180)	1.35
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.38
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	35299.2	Voltage(V)	219.8
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	176.1	Current(A)	0.933
NOMINAL FLUX(lm)	35299.2	η up(%)	1.1	Power(W)	200.3
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	0.977
TEST VOLTAGE(V)	219.8	Effective Flux(lm)	35299.1	EEI	0.077

LUMINOUS INTENSITY DISTRIBUTION



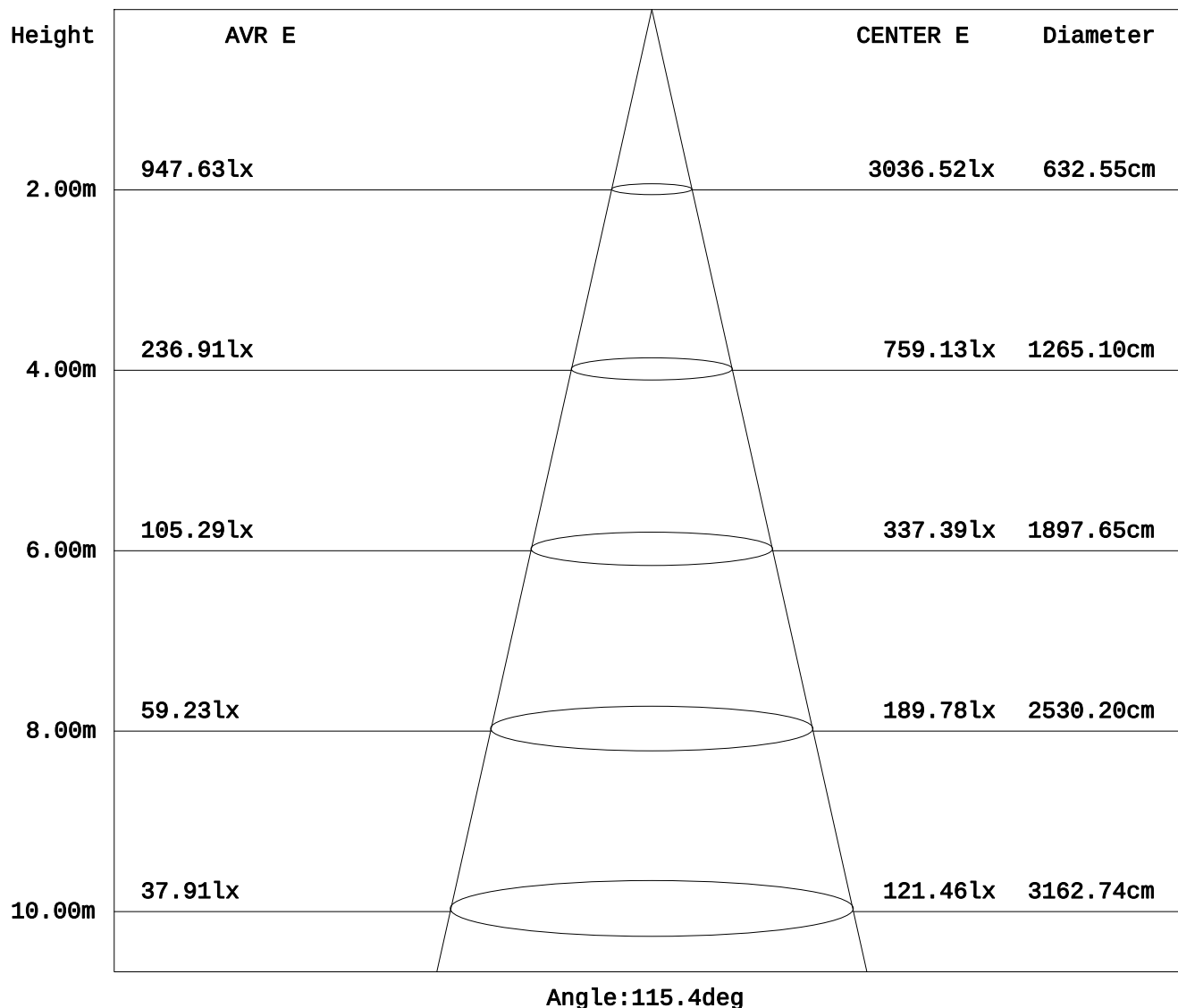
Temperature: 25.3°C
 Operators:
 Test Date: 11-23-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 73Ra 0.1% Flicker 68 Temp

AVERAGE AND CENTER E Figure

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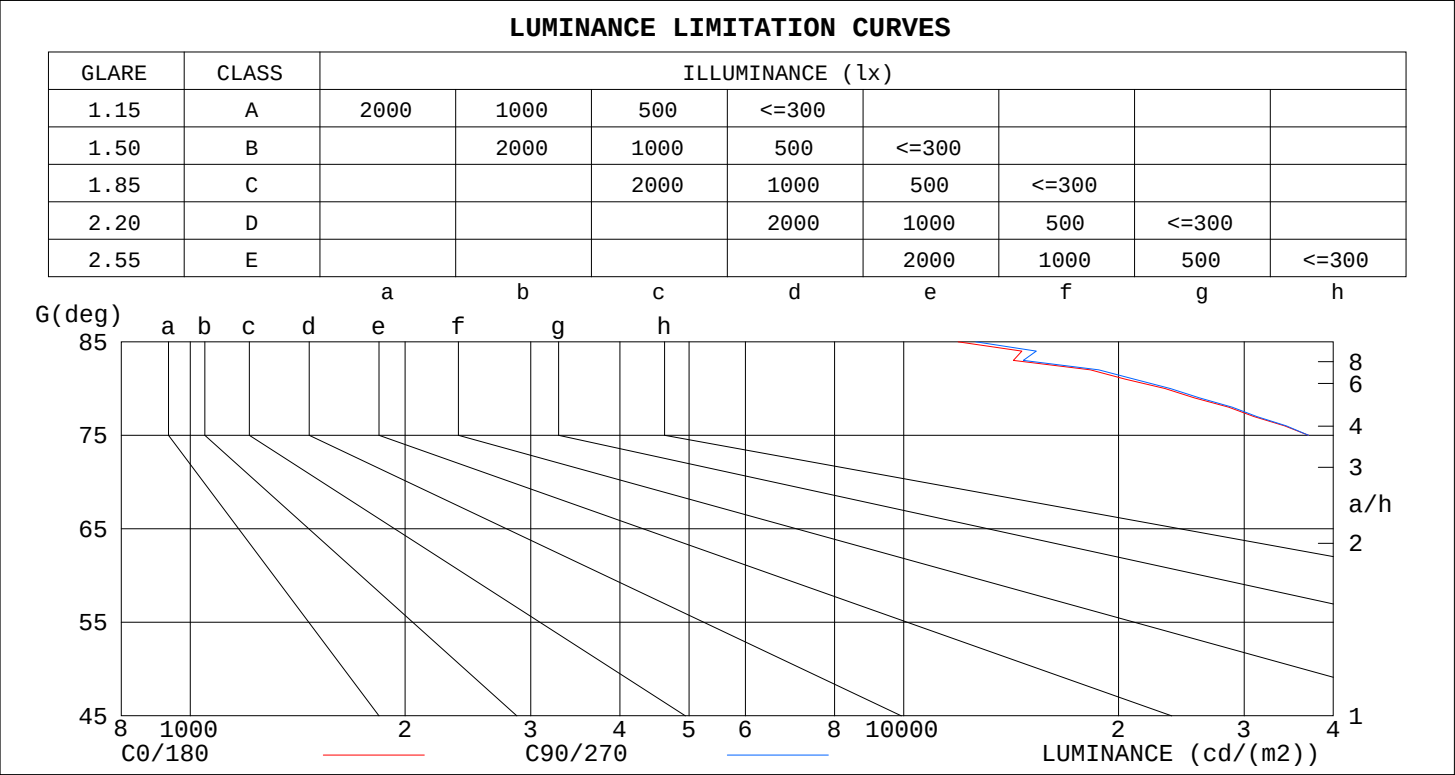
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	11920	12621
80	23246	23649
75	36928	36924
70	56140	55270
65	80822	79297
60	115011	113409
55	158694	152865
50	166374	166215
45	155862	158712

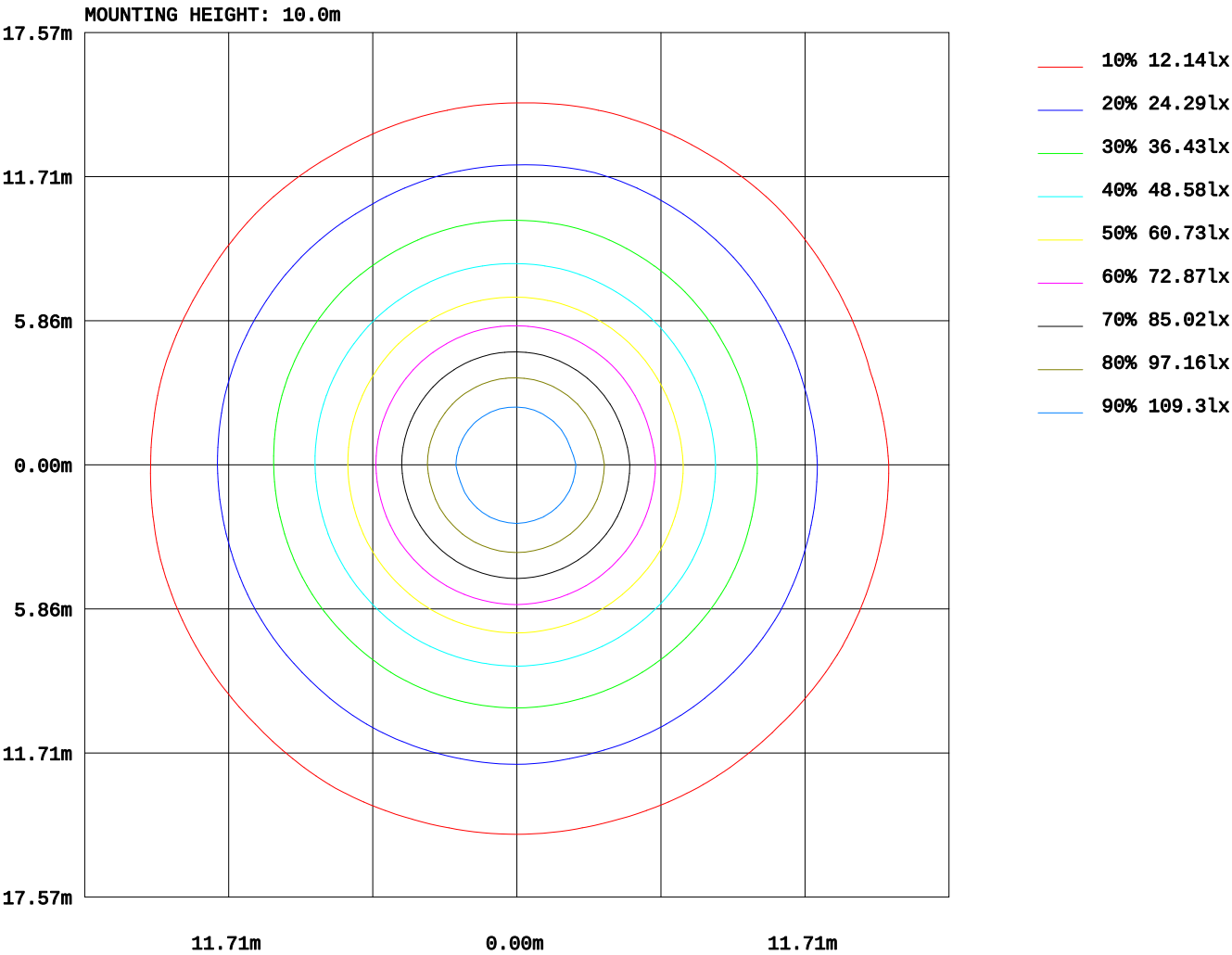
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ISOLUX DIAGRAM

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UGR Table

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ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	30.3	31.8	30.6	32.0	32.2	30.2	31.7	30.5	31.9	32.1
3H	30.6	31.9	30.9	32.2	32.4	30.6	31.9	30.9	32.1	32.4
4H	30.6	31.9	31.0	32.1	32.4	30.6	31.8	30.9	32.1	32.4
6H	30.6	31.8	30.9	32.0	32.3	30.5	31.7	30.9	32.0	32.3
8H	30.5	31.7	30.9	32.0	32.3	30.5	31.6	30.9	31.9	32.2
12H	30.5	31.6	30.9	31.9	32.2	30.5	31.5	30.8	31.8	32.2
4H 2H	30.5	31.8	30.8	32.0	32.3	30.4	31.7	30.8	32.0	32.2
3H	30.9	32.0	31.3	32.3	32.6	30.9	31.9	31.2	32.3	32.6
4H	31.0	31.9	31.4	32.3	32.6	30.9	31.9	31.3	32.3	32.6
6H	31.0	31.8	31.4	32.2	32.6	30.9	31.8	31.3	32.2	32.5
8H	30.9	31.7	31.4	32.1	32.5	30.9	31.7	31.3	32.1	32.5
12H	30.9	31.6	31.3	32.0	32.4	30.9	31.6	31.3	32.0	32.4
8H 4H	30.9	31.7	31.3	32.1	32.5	30.9	31.7	31.3	32.1	32.5
6H	30.9	31.6	31.4	32.0	32.5	30.9	31.6	31.4	32.0	32.4
8H	30.9	31.5	31.4	31.9	32.4	30.9	31.5	31.4	31.9	32.4
12H	30.9	31.4	31.4	31.8	32.3	30.9	31.4	31.4	31.8	32.3
12H 4H	30.9	31.6	31.3	32.0	32.4	30.9	31.6	31.3	32.0	32.4
6H	30.9	31.5	31.4	31.9	32.4	30.9	31.5	31.4	31.9	32.4
8H	30.9	31.4	31.4	31.8	32.3	30.9	31.4	31.4	31.8	32.3

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.3	+ 0.2 / - 0.3
1.5H	+ 0.8 / - 1.4	+ 0.7 / - 1.3
2.0H	+ 1.4 / - 2.1	+ 1.3 / - 1.9

CIE Pub.117 Corrected 35299 lm Total Lamp Luminous Flux.(8log(F/F0) = 12.4)

Temperature:25.3'C
Operators:
Test Date:11-23-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 73Ra 0.1% Flicker 68 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
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SPECIFICATION:				CCT(K): 4972				DIMENSION: 300x300x113				SERIAL No.:			

UNIT: iA10cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1215	1213	1211	1210	1209	1208	1207	1206	1206	1205	1205	1204	1215	1213	1211
5.0	1211	1209	1208	1206	1206	1205	1205	1204	1204	1204	1205	1204	1213	1212	1210
10.0	1201	1199	1198	1197	1197	1197	1197	1197	1197	1197	1198	1198	1206	1205	1202
15.0	1183	1182	1182	1181	1182	1181	1182	1182	1183	1183	1184	1184	1192	1190	1188
20.0	1160	1158	1160	1159	1161	1160	1162	1161	1163	1163	1165	1164	1171	1170	1167
25.0	1131	1130	1132	1132	1134	1134	1136	1136	1138	1138	1140	1140	1145	1144	1141
30.0	1097	1097	1100	1100	1103	1103	1106	1106	1108	1108	1110	1110	1115	1114	1112
35.0	1061	1061	1066	1066	1071	1072	1075	1074	1076	1074	1077	1076	1081	1083	1082
40.0	1024	1026	1032	1034	1039	1039	1044	1042	1043	1039	1041	1041	1047	1053	1055
45.0	992	994	1001	1001	1006	1005	1010	1008	1008	1002	1003	1004	1010	1022	1027
50.0	962	963	970	961	960	951	962	958	962	953	957	954	960	969	967
55.0	819	823	823	799	796	785	789	793	802	787	785	785	771	763	739
60.0	518	514	514	505	511	502	510	502	510	496	505	499	483	479	456
65.0	307	309	298	305	308	304	302	304	290	304	304	303	305	274	263
70.0	173	158	167	163	173	167	170	159	162	162	172	164	155	156	149
75.0	86.0	78.3	84.7	80.0	86.6	81.4	86.0	78.6	82.5	79.5	86.6	80.4	75.4	79.1	73.7
80.0	36.3	35.9	36.3	36.9	36.2	36.8	36.9	35.6	36.3	36.3	37.4	35.7	35.7	33.5	25.9
85.0	9.35	4.13	9.85	4.04	9.45	4.13	9.90	4.64	10.4	4.99	10.5	5.68	4.00	8.97	3.25
90.0	2.16	1.05	2.14	1.04	2.15	1.04	2.15	1.03	2.15	1.05	2.19	1.06	1.12	2.16	1.10
95.0	2.29	1.55	2.25	1.52	2.24	1.52	2.24	1.52	2.26	1.55	2.28	1.56	1.67	2.35	1.65
100.0	2.75	2.24	2.70	2.20	2.68	2.20	2.69	2.21	2.71	2.24	2.73	2.24	2.41	2.85	2.38
105.0	3.43	3.09	3.37	3.05	3.36	3.05	3.37	3.06	3.38	3.07	3.39	3.07	3.30	3.57	3.28
110.0	4.24	4.04	4.17	3.99	4.14	3.99	4.17	4.00	4.17	4.00	4.17	3.99	4.29	4.43	4.25
115.0	5.15	5.00	5.06	4.94	5.03	4.95	5.08	4.96	5.05	4.93	5.04	4.93	5.27	5.32	5.21
120.0	6.05	5.93	5.94	5.87	5.91	5.91	5.99	5.90	5.91	5.84	5.89	5.84	6.23	6.21	6.11
125.0	6.89	6.82	6.71	6.67	6.70	6.81	6.85	6.78	6.67	6.63	6.65	6.74	7.13	7.04	6.96
130.0	7.72	7.64	7.48	7.47	7.50	7.65	7.69	7.61	7.42	7.42	7.45	7.57	7.96	7.86	7.80
135.0	8.49	8.45	8.28	8.32	8.33	8.46	8.46	8.40	8.24	8.28	8.27	8.40	8.74	8.65	8.66
140.0	9.24	9.24	9.05	9.15	9.12	9.30	9.17	9.17	9.01	9.10	9.08	9.24	9.52	9.43	9.47
145.0	10.0	10.0	9.86	9.98	9.92	10.1	9.95	9.95	9.80	9.91	9.87	10.1	10.3	10.2	10.2
150.0	10.9	10.9	10.6	10.8	10.7	11.0	10.7	10.7	10.6	10.7	10.7	11.0	11.1	11.1	11.0
155.0	11.6	11.6	11.4	11.5	11.5	11.8	11.5	11.5	11.3	11.5	11.4	11.7	11.7	11.8	11.7
160.0	12.2	12.2	12.0	12.1	12.1	12.3	12.1	12.0	11.9	12.0	12.0	12.3	12.3	12.4	12.2
165.0	12.7	12.5	12.4	12.5	12.5	12.7	12.6	12.4	12.3	12.4	12.4	12.6	12.7	12.7	12.5
170.0	13.1	12.8	12.7	12.7	12.8	12.9	13.0	12.7	12.6	12.7	12.7	12.8	13.1	13.0	12.8
175.0	13.4	13.0	13.0	13.0	13.0	13.0	13.2	12.9	12.9	12.9	13.0	13.0	13.4	13.1	13.0
180.0	13.4	13.1	13.1	13.0	13.0	13.0	13.3	13.0	13.0	13.0	13.0	13.0	13.5	13.2	13.1

Temperature:25.3'C
Operators:
Test Date:11-23-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 73Ra 0.1% Flicker 68 Temp

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UNIT: iÁ10cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1210	1209	1208	1207	1206	1206	1205	1205	1204
5.0	1208	1207	1205	1204	1203	1202	1201	1200	1200
10.0	1201	1198	1197	1194	1194	1191	1191	1190	1189
15.0	1186	1183	1181	1178	1177	1174	1174	1172	1171
20.0	1165	1162	1160	1156	1155	1151	1150	1148	1147
25.0	1140	1137	1135	1130	1128	1124	1122	1119	1119
30.0	1112	1108	1106	1101	1098	1092	1090	1086	1085
35.0	1083	1079	1077	1071	1067	1060	1056	1050	1049
40.0	1058	1053	1050	1043	1039	1030	1025	1017	1015
45.0	1034	1029	1027	1020	1016	1004	996	986	984
50.0	967	956	964	969	983	972	963	947	947
55.0	734	719	726	731	757	763	769	760	761
60.0	458	453	456	448	455	459	484	474	488
65.0	273	269	277	262	268	263	277	304	285
70.0	158	151	159	147	155	147	157	155	162
75.0	79.8	74.1	78.8	72.6	78.3	72.7	79.1	75.5	79.7
80.0	33.1	35.9	32.4	25.7	32.2	26.1	33.0	35.9	32.4
85.0	8.02	3.08	8.03	2.87	7.57	2.99	8.19	3.07	7.51
90.0	2.15	1.10	2.15	1.10	2.13	1.09	2.14	1.09	2.14
95.0	2.33	1.64	2.33	1.64	2.31	1.63	2.32	1.63	2.32
100.0	2.82	2.36	2.82	2.37	2.81	2.35	2.81	2.35	2.81
105.0	3.55	3.25	3.54	3.26	3.53	3.23	3.52	3.23	3.53
110.0	4.40	4.22	4.39	4.26	4.38	4.21	4.34	4.20	4.38
115.0	5.28	5.18	5.29	5.25	5.28	5.17	5.26	5.17	5.28
120.0	6.15	6.10	6.19	6.23	6.19	6.08	6.13	6.09	6.17
125.0	6.91	6.94	7.04	7.15	7.04	6.94	6.90	6.94	7.03
130.0	7.70	7.76	7.86	7.99	7.87	7.78	7.69	7.77	7.85
135.0	8.52	8.60	8.64	8.77	8.66	8.64	8.51	8.60	8.62
140.0	9.29	9.41	9.37	9.53	9.43	9.45	9.28	9.41	9.36
145.0	10.0	10.1	10.1	10.2	10.2	10.2	10.0	10.1	10.1
150.0	10.8	10.9	10.8	11.0	11.1	11.0	10.9	10.9	10.9
155.0	11.5	11.6	11.5	11.6	11.8	11.7	11.6	11.6	11.6
160.0	12.1	12.1	12.1	12.2	12.3	12.2	12.1	12.1	12.1
165.0	12.4	12.4	12.4	12.6	12.7	12.5	12.5	12.4	12.5
170.0	12.7	12.7	12.7	13.0	12.9	12.8	12.7	12.7	12.7
175.0	13.0	12.9	12.9	13.2	13.1	12.9	13.0	12.9	13.0
180.0	13.1	13.0	13.1	13.3	13.1	13.0	13.0	13.0	13.1

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