

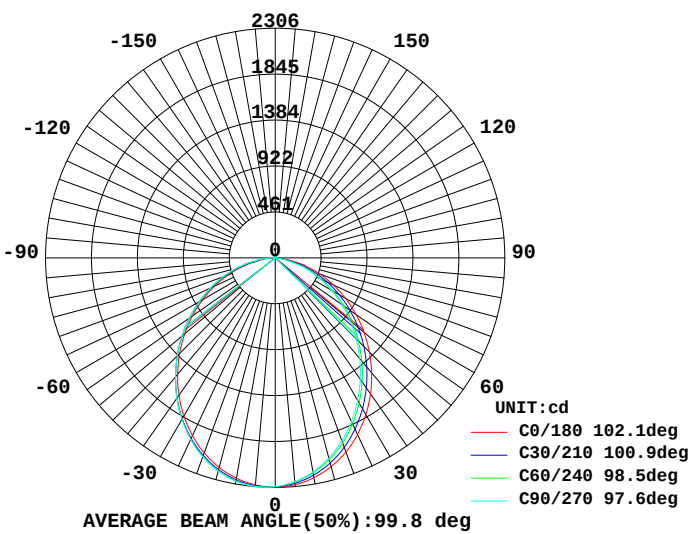
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LPO Advanced 5000K 90Ra 30min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5208	DIMENSION: 1300x230x65	SERIAL No.:

DATA OF LAMP		Imax(cd)	2306	S/MH(C0/180)	1.19
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.22
NOMINAL POWER(W)	52	TOTAL FLUX(lm)	5725.6	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	109.0	Current(A)	0.242
NOMINAL FLUX(lm)	5725.6	η up(%)	1.4	Power(W)	52.52
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	5725.6	EEI	0.125

LUMINOUS INTENSITY DISTRIBUTION



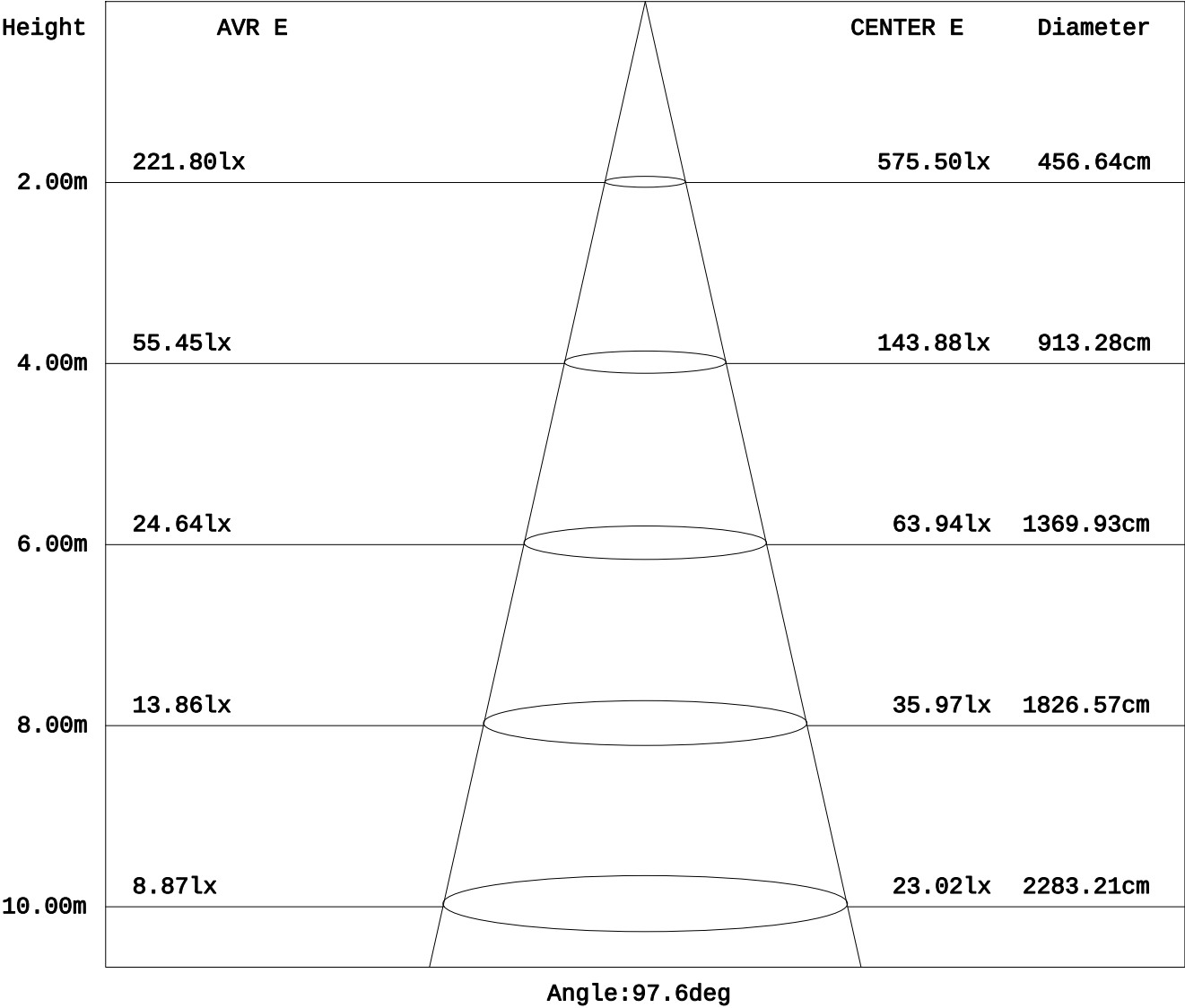
Test System:
Temperature:25.3'C
Operators:
Test Date:03-31-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra. 0% Flicker. 28.4 Temp.

AVERAGE AND CENTER E Figure

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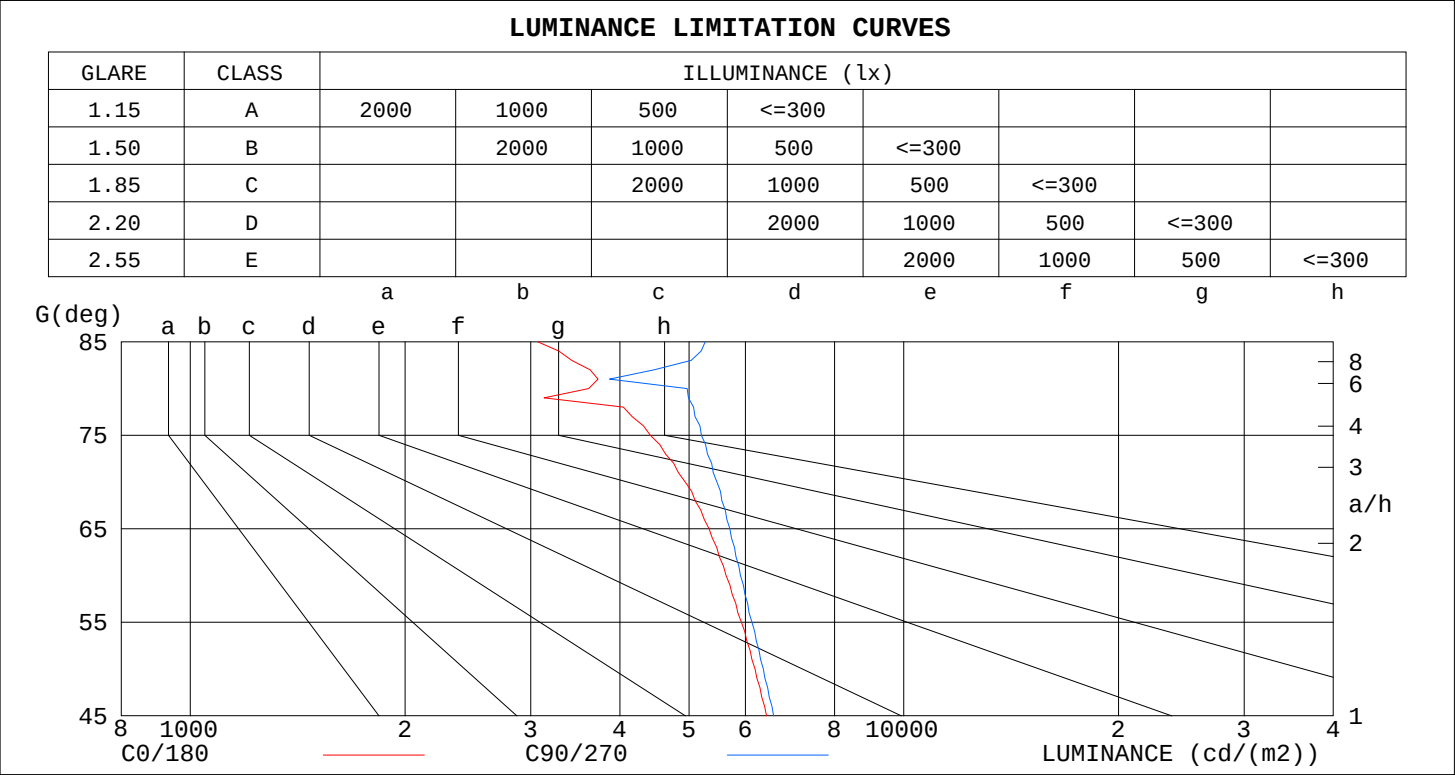
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	3070	5269
80	3617	4971
75	4414	5205
70	4940	5472
65	5335	5707
60	5634	5904
55	5922	6127
50	6186	6355
45	6420	6570

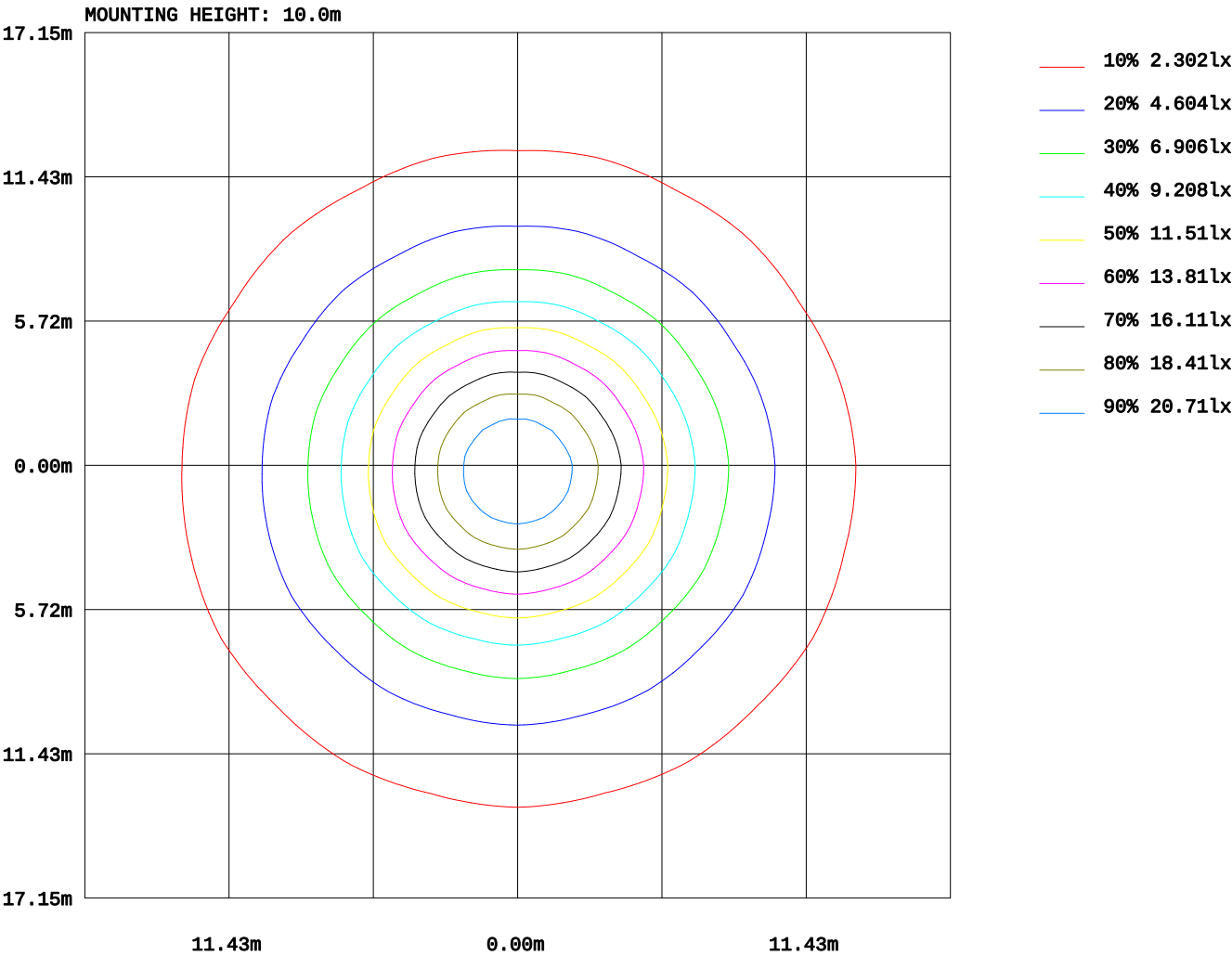
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 5208	DIMENSION: 1300x230x65		SERIAL No.:

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	19.0	20.5	19.3	20.7	21.0	19.2	20.6	19.4	20.8	21.1
3H	20.4	21.7	20.7	22.0	22.3	20.6	22.0	20.9	22.2	22.5
4H	20.9	22.2	21.2	22.4	22.7	21.2	22.5	21.6	22.8	23.1
6H	21.2	22.4	21.6	22.7	23.0	21.7	22.9	22.1	23.2	23.5
8H	21.3	22.5	21.7	22.8	23.1	21.9	23.0	22.2	23.3	23.6
12H	21.3	22.5	21.7	22.8	23.1	22.0	23.1	22.4	23.4	23.8
4H 2H	19.6	20.9	20.0	21.2	21.5	19.7	21.0	20.1	21.3	21.6
3H	21.2	22.3	21.6	22.6	23.0	21.4	22.5	21.8	22.8	23.2
4H	21.9	22.9	22.3	23.2	23.6	22.1	23.2	22.5	23.5	23.9
6H	22.3	23.2	22.7	23.5	23.9	22.7	23.6	23.1	24.0	24.4
8H	22.4	23.2	22.8	23.6	24.0	22.9	23.7	23.3	24.1	24.5
12H	22.4	23.2	22.9	23.6	24.1	23.1	23.9	23.5	24.3	24.7
8H 4H	22.1	23.0	22.6	23.4	23.8	22.4	23.2	22.8	23.6	24.0
6H	22.7	23.4	23.1	23.8	24.3	23.1	23.8	23.6	24.2	24.7
8H	22.9	23.5	23.4	23.9	24.4	23.4	24.0	23.9	24.5	24.9
12H	23.0	23.5	23.5	24.0	24.5	23.7	24.2	24.2	24.6	25.2
12H 4H	22.2	22.9	22.6	23.3	23.8	22.4	23.2	22.8	23.6	24.0
6H	22.7	23.3	23.2	23.8	24.3	23.2	23.8	23.6	24.2	24.7
8H	23.0	23.5	23.5	24.0	24.5	23.5	24.0	24.0	24.5	25.0

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.2	+ 0.1 / - 0.1
1.5H	+ 0.2 / - 0.2	+ 0.1 / - 0.2
2.0H	+ 0.2 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117 Corrected 5726 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.1)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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Address:															
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SPECIFICATION:				CCT(K): 5208				DIMENSION: 1300x230x65				SERIAL No.:			

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2302	2301	2300	2301	2299	2300	2297	2300	2297	2298	2297	2297	2302	2301	2300
5.0	2289	2290	2297	2299	2303	2303	2305	2303	2303	2299	2297	2289	2286	2282	2273
10.0	2248	2251	2264	2266	2274	2273	2278	2274	2276	2268	2267	2252	2242	2236	2216
15.0	2178	2183	2201	2201	2213	2209	2217	2211	2217	2207	2206	2187	2171	2162	2133
20.0	2086	2089	2113	2108	2125	2114	2128	2117	2130	2116	2121	2095	2074	2062	2025
25.0	1969	1975	2000	1994	2009	1997	2012	2001	2016	2003	2010	1982	1958	1944	1898
30.0	1834	1839	1867	1856	1872	1857	1873	1861	1880	1867	1878	1847	1820	1804	1752
35.0	1687	1687	1720	1703	1723	1701	1723	1705	1732	1715	1733	1696	1667	1651	1593
40.0	1526	1528	1559	1542	1560	1539	1559	1543	1569	1554	1572	1537	1508	1492	1431
45.0	1357	1358	1391	1372	1390	1368	1389	1372	1399	1384	1403	1368	1338	1323	1259
50.0	1189	1184	1223	1198	1222	1194	1221	1198	1231	1210	1235	1193	1163	1151	1086
55.0	1016	1014	1050	1029	1051	1027	1051	1030	1059	1040	1061	1022	992	982	917
60.0	842	839	877	856	881	857	883	860	889	867	888	847	817	809	746
65.0	674	666	711	687	718	690	721	693	725	696	720	672	644	638	576
70.0	505	500	543	524	555	531	560	534	561	532	551	505	478	475	416
75.0	342	337	380	364	397	375	403	377	402	371	387	341	315	314	248
80.0	188	176	180	204	251	217	258	218	254	209	236	179	157	176	115
85.0	80.0	62.3	111	85.0	130	97.5	137	98.5	133	88.3	114	63.5	47.9	63.7	25.7
90.0	15.4	5.90	25.6	12.3	36.2	18.0	41.1	18.5	37.5	13.2	27.0	6.10	4.90	13.7	4.60
95.0	12.6	5.20	12.4	4.50	12.1	4.10	12.0	4.10	12.2	4.60	12.5	5.20	5.90	12.5	5.60
100.0	12.4	6.20	11.9	5.40	11.4	4.90	11.2	4.90	11.5	5.50	11.9	6.20	7.10	12.3	6.70
105.0	12.5	7.20	11.9	6.40	11.3	5.80	11.0	5.90	11.3	6.50	11.9	7.20	8.29	12.5	7.70
110.0	12.8	8.20	12.1	7.40	11.4	6.80	11.1	6.80	11.4	7.40	12.1	8.29	9.40	12.9	8.70
115.0	13.3	9.20	12.4	8.29	11.7	7.70	11.5	7.80	11.8	8.29	12.5	9.30	10.5	13.4	9.70
120.0	14.0	10.3	12.9	9.30	12.2	8.70	11.9	8.70	12.2	9.30	13.0	10.4	11.5	14.0	10.8
125.0	14.7	11.4	13.5	10.3	12.7	9.70	12.5	9.70	12.8	10.4	13.7	11.5	12.7	14.7	11.9
130.0	15.4	12.5	14.3	11.4	13.4	10.8	13.0	10.8	13.4	11.5	14.4	12.6	13.7	15.5	13.0
135.0	16.2	13.5	15.2	12.6	14.2	11.9	13.9	11.9	14.2	12.6	15.2	13.6	14.7	16.4	14.0
140.0	16.9	14.5	15.9	13.7	15.0	13.0	14.7	13.0	15.0	13.7	16.0	14.7	15.7	17.2	15.0
145.0	17.6	15.2	16.5	14.7	16.1	14.3	15.6	14.1	15.9	14.7	16.6	15.6	16.5	18.0	15.9
150.0	18.1	16.1	17.2	15.6	16.9	15.5	16.5	15.0	16.6	15.6	17.4	16.5	17.2	19.0	16.6
155.0	18.6	16.7	17.9	16.5	17.8	16.5	17.2	16.1	17.4	16.4	18.0	17.2	17.9	19.6	17.6
160.0	19.1	17.5	18.4	17.2	18.5	17.6	18.0	16.9	18.0	17.1	18.6	18.0	18.6	20.1	18.5
165.0	19.6	18.0	18.9	17.8	19.0	18.4	19.0	17.6	18.6	17.8	19.1	18.5	19.2	20.2	19.2
170.0	20.0	18.6	19.3	18.2	19.4	18.9	19.6	18.2	19.1	18.4	19.5	18.9	19.6	20.2	19.4
175.0	20.2	18.9	19.6	18.7	19.6	19.2	20.2	18.9	19.6	18.9	19.7	19.2	20.0	20.1	19.2
180.0	20.2	19.3	19.7	19.2	19.9	19.6	20.6	19.7	20.0	19.5	20.0	19.5	20.4	19.9	19.2

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Humidity:65.0%
Test Distance:10.000 m
Remarks: 93Ra. 0% Flicker. 28.4 Temp.

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2301	2299	2300	2297	2300	2297	2298	2297	2297
5.0	2271	2262	2263	2256	2262	2258	2266	2266	2276
10.0	2213	2193	2196	2182	2194	2188	2206	2207	2227
15.0	2125	2099	2099	2082	2096	2092	2116	2122	2151
20.0	2012	1978	1976	1956	1973	1969	2001	2011	2050
25.0	1882	1840	1838	1814	1833	1832	1870	1883	1930
30.0	1733	1685	1682	1655	1677	1676	1720	1737	1790
35.0	1573	1520	1517	1488	1513	1511	1559	1578	1636
40.0	1410	1354	1352	1321	1348	1345	1397	1416	1478
45.0	1240	1182	1181	1149	1177	1173	1226	1244	1309
50.0	1069	1010	1011	979	1007	1002	1056	1072	1138
55.0	902	845	848	815	844	837	890	904	970
60.0	734	678	684	650	680	671	723	733	798
65.0	569	515	523	490	520	508	559	565	628
70.0	412	362	372	340	369	355	403	405	466
75.0	260	204	179	187	179	199	251	239	306
80.0	136	84.6	111	73.4	109	80.6	129	108	171
85.0	40.0	13.7	29.0	10.2	28.0	12.5	36.5	22.6	59.7
90.0	12.5	4.30	11.8	4.20	11.8	4.40	12.4	4.60	13.4
95.0	11.8	5.30	11.3	5.10	11.2	5.30	11.8	5.60	12.4
100.0	11.7	6.20	11.2	6.00	11.1	6.20	11.7	6.60	12.3
105.0	11.9	7.20	11.4	7.00	11.3	7.20	11.9	7.70	12.4
110.0	12.3	8.29	11.8	8.10	11.8	8.29	12.3	8.70	12.8
115.0	12.8	9.20	12.3	9.09	12.2	9.20	12.8	9.70	13.4
120.0	13.4	10.3	12.9	10.1	12.9	10.3	13.4	10.8	14.0
125.0	14.1	11.3	13.6	11.2	13.6	11.3	14.1	11.9	14.7
130.0	14.9	12.4	14.4	12.2	14.3	12.4	14.9	13.0	15.5
135.0	15.6	13.5	15.2	13.3	15.0	13.5	15.7	14.0	16.2
140.0	16.4	14.5	16.0	14.3	16.0	14.5	16.5	14.9	16.9
145.0	17.2	15.4	16.7	15.2	16.7	15.6	17.2	15.7	17.7
150.0	17.8	16.3	17.5	16.2	17.7	16.5	17.9	16.5	18.4
155.0	18.4	17.0	18.1	17.0	18.6	17.4	18.4	17.2	19.1
160.0	18.9	17.7	18.7	17.9	19.3	18.0	18.9	18.0	19.6
165.0	19.6	18.4	19.3	18.7	19.9	18.6	19.5	18.9	19.9
170.0	20.2	19.4	20.1	19.9	20.5	19.2	20.2	19.5	20.1
175.0	20.2	19.5	20.8	20.5	20.7	19.6	20.4	19.4	20.2
180.0	19.6	19.3	20.1	20.0	20.2	19.4	19.9	19.4	20.0

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