

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

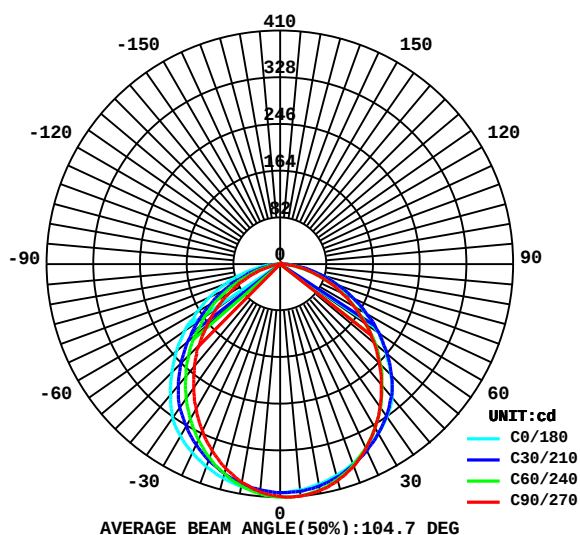
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

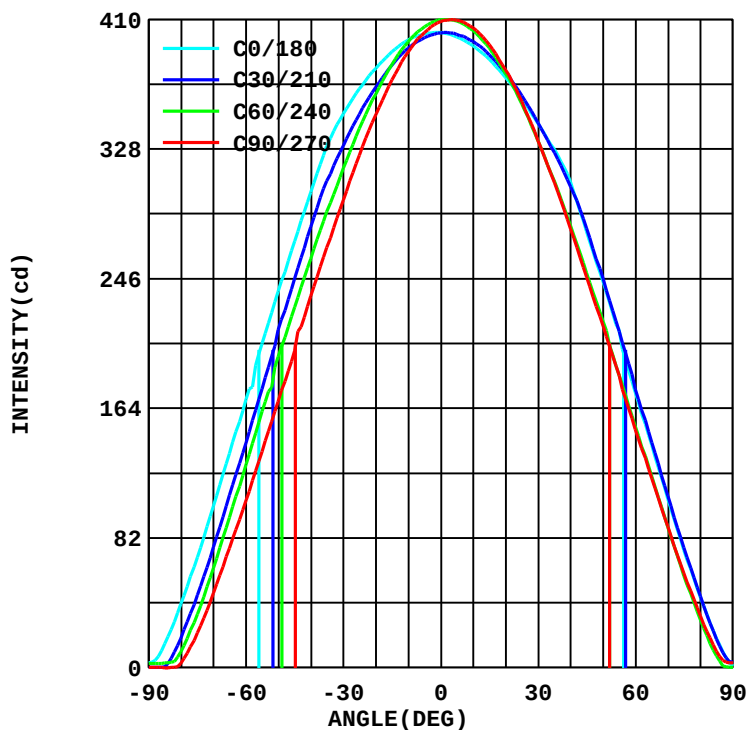
MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	409.8	S/MH(C0/180)	1.30
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.10
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1048.0	Voltage(V)	24.01
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	93.5	Current(A)	0.466
NOMINAL FLUX(lm)	1048.1	η up(%)	1.1	Power(W)	11.21
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1018.4	EEI	0.144

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

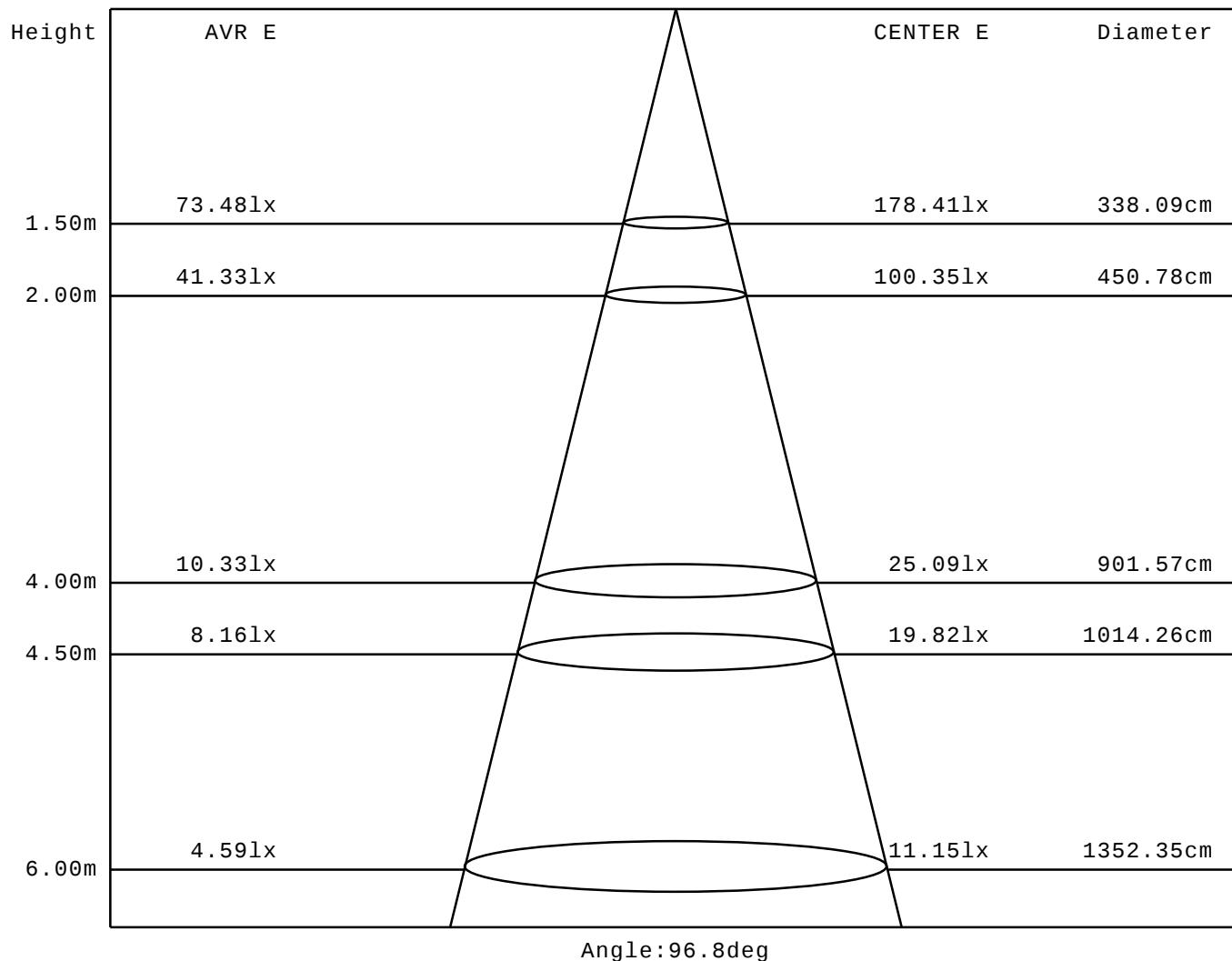
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	400.7	401.8	401.5	390.2	398.8	404.5	409.3	394.0	0- 5	9.574	9.574
10.0	396.6	393.5	389.1	382.0	393.1	399.2	404.3	389.5	5- 10	28.33	37.90
15.0	389.3	381.2	371.5	369.9	384.6	389.6	393.7	381.1	10- 15	45.94	83.85
20.0	379.0	364.9	349.6	354.3	373.1	375.9	378.0	368.6	15- 20	61.73	145.5
25.0	365.8	345.2	323.7	335.3	359.6	358.9	357.8	352.9	20- 25	75.14	220.7
30.0	350.3	322.9	295.4	313.8	344.0	338.7	333.3	334.0	25- 30	85.76	306.5
35.0	329.8	297.9	265.7	289.9	327.3	316.3	306.4	312.4	30- 35	93.33	399.8
40.0	300.3	268.5	234.7	262.0	306.9	291.8	277.4	288.9	35- 40	97.41	497.2
45.0	269.5	237.1	200.4	231.4	275.6	263.6	247.1	261.4	40- 45	97.61	594.8
50.0	237.6	204.9	168.1	198.1	243.6	232.2	215.9	230.7	45- 50	93.89	688.7
55.0	204.8	169.0	136.6	164.5	213.4	198.6	184.6	197.8	50- 55	86.71	775.4
60.0	169.6	135.4	105.6	131.8	174.3	164.5	150.8	164.2	55- 60	76.70	852.1
65.0	135.3	101.8	75.60	99.12	140.5	131.6	119.7	131.2	60- 65	64.58	916.7
70.0	102.0	69.69	47.11	67.90	106.5	98.67	89.11	98.49	65- 70	50.84	967.6
75.0	69.79	39.76	21.91	38.88	74.27	66.99	59.71	67.27	70- 75	36.14	1004
80.0	40.11	14.31	2.450	14.14	44.31	37.52	32.76	38.29	75- 80	21.62	1025
85.0	15.12	1.715	0	1.750	18.55	12.63	10.43	13.51	80- 85	9.291	1035
90.0	3.220	1.330	0.070	1.295	1.120	1.750	2.870	1.715	85- 90	2.224	1037
95.0	2.870	1.295	0.140	1.225	0.700	1.575	2.520	1.505	90- 95	0.819	1038
100.0	2.660	1.260	0.280	1.225	0.980	1.540	2.380	1.505	95-100	0.783	1038
105.0	2.520	1.330	0.420	1.260	1.190	1.575	2.240	1.470	100-105	0.782	1039
110.0	2.520	1.365	0.560	1.330	1.400	1.680	2.240	1.575	105-110	0.792	1040
115.0	2.520	1.435	0.700	1.400	1.540	1.715	2.240	1.645	110-115	0.798	1041
120.0	2.520	1.540	0.770	1.470	1.680	1.855	2.240	1.750	115-120	0.804	1042
125.0	2.590	1.575	0.980	1.540	1.820	1.890	2.310	1.820	120-125	0.804	1042
130.0	2.590	1.750	1.120	1.645	1.960	1.995	2.310	1.890	125-130	0.790	1043
135.0	2.590	1.820	1.260	1.750	2.100	2.030	2.380	1.960	130-135	0.770	1044
140.0	2.590	1.890	1.400	1.820	2.170	2.135	2.450	1.995	135-140	0.735	1045
145.0	2.660	1.995	1.540	1.925	2.240	2.170	2.520	2.100	140-145	0.688	1045
150.0	2.660	2.100	1.680	1.995	2.380	2.205	2.520	2.135	145-150	0.630	1046
155.0	2.730	2.170	1.820	2.135	2.450	2.310	2.590	2.205	150-155	0.561	1047
160.0	2.800	2.275	1.960	2.205	2.520	2.380	2.590	2.275	155-160	0.482	1047
165.0	2.800	2.310	2.170	2.240	2.660	2.485	2.660	2.345	160-165	0.392	1048
170.0	2.870	2.415	2.240	2.310	2.730	2.450	2.730	2.345	165-170	0.289	1048
175.0	2.870	2.415	2.310	2.380	2.730	2.520	2.730	2.415	170-175	0.178	1048
180.0	2.870	2.485	2.450	2.380	2.940	2.450	2.730	2.415	175-180	0.060	1048
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

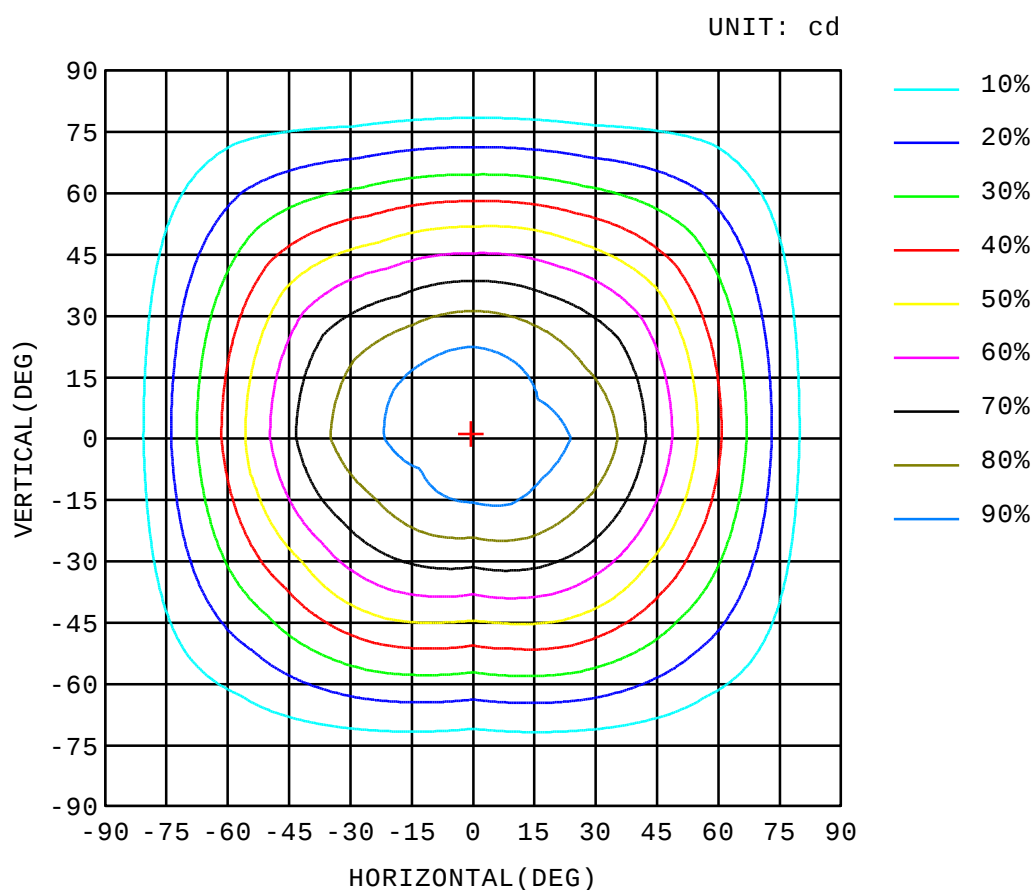
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
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Operators:
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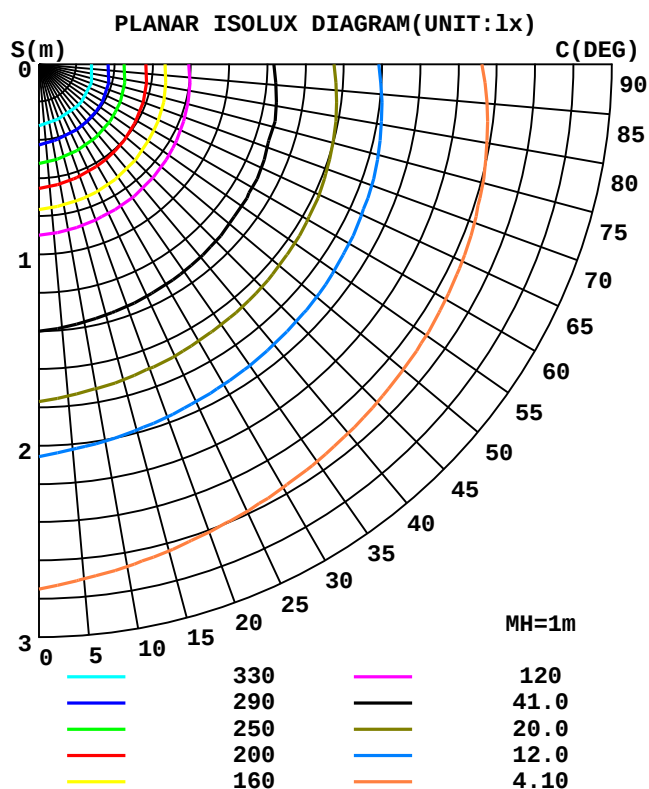
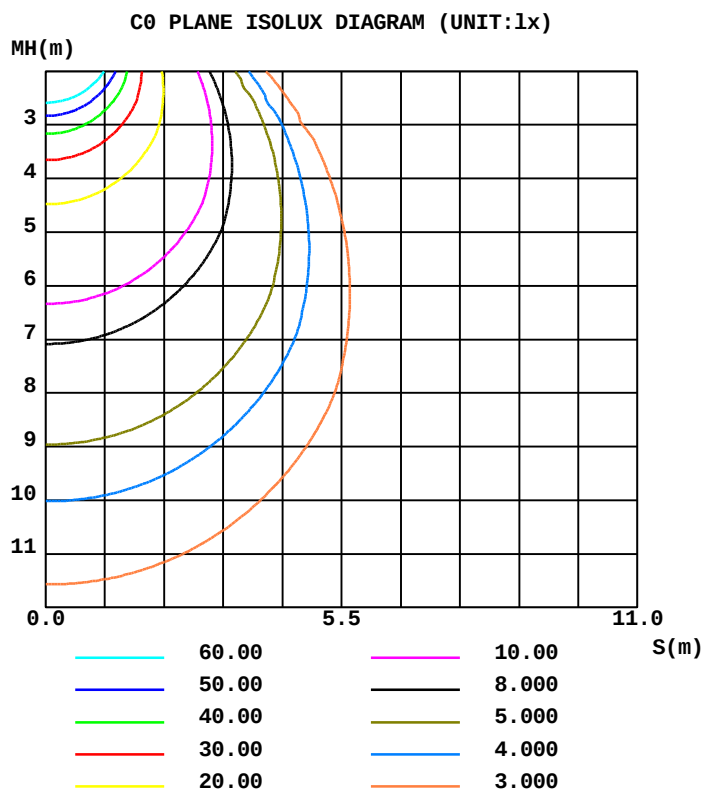
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:44%
Test Distance:8.367 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	401	401	410	408	400	389	401	401	410	408	400	389
5.0	401	398	405	402	395	386	399	400	409	409	400	388
10.0	397	392	396	389	385	379	393	396	403	404	395	384
15.0	389	381	381	372	371	369	385	388	392	394	386	376
20.0	379	367	363	350	354	355	373	376	376	378	372	365
25.0	366	350	341	324	332	338	360	362	356	358	355	351
30.0	350	330	316	295	309	319	344	344	333	333	333	335
35.0	330	308	288	266	282	298	327	325	307	306	308	317
40.0	300	279	259	235	254	270	307	304	279	277	281	296
45.0	270	246	228	200	224	239	276	278	250	247	252	271
50.0	238	213	196	168	193	203	244	246	219	216	222	240
55.0	205	176	162	137	158	171	213	213	185	185	188	208
60.0	170	142	129	106	126	138	174	176	153	151	156	172
65.0	135	109	94.8	75.6	92.6	106	141	142	121	120	123	140
70.0	102	76.4	62.9	47.1	61.6	74.2	107	109	88.6	89.1	90.0	107
75.0	69.7	45.8	33.6	21.9	32.9	44.8	74.2	75.8	58.1	59.7	59.5	75.0
80.0	40.1	18.5	10.0	2.45	9.87	18.4	44.3	45.0	30.0	32.7	31.5	45.0
85.0	15.1	0.56	2.87	0.00	2.87	0.63	18.5	17.9	7.35	10.4	8.61	18.4
90.0	3.22	0.14	2.52	0.07	2.52	0.07	1.12	3.36	0.14	2.87	0.14	3.29
95.0	2.87	0.28	2.31	0.14	2.24	0.21	0.70	2.94	0.21	2.52	0.21	2.80
100.0	2.66	0.42	2.10	0.28	2.10	0.35	0.98	2.73	0.35	2.38	0.35	2.66
105.0	2.52	0.56	2.10	0.42	2.03	0.49	1.19	2.66	0.49	2.24	0.42	2.52
110.0	2.52	0.70	2.03	0.56	2.03	0.63	1.40	2.66	0.70	2.24	0.63	2.52
115.0	2.52	0.84	2.03	0.70	2.03	0.77	1.54	2.59	0.84	2.24	0.77	2.52
120.0	2.52	1.05	2.03	0.77	2.03	0.91	1.68	2.66	1.05	2.24	0.98	2.52
125.0	2.59	1.12	2.03	0.98	2.03	1.05	1.82	2.59	1.19	2.31	1.12	2.52
130.0	2.59	1.33	2.17	1.12	2.10	1.19	1.96	2.66	1.33	2.31	1.26	2.52
135.0	2.59	1.40	2.24	1.26	2.17	1.33	2.10	2.59	1.47	2.38	1.40	2.52
140.0	2.59	1.54	2.24	1.40	2.17	1.47	2.17	2.66	1.61	2.45	1.47	2.52
145.0	2.66	1.68	2.31	1.54	2.24	1.61	2.24	2.66	1.68	2.52	1.68	2.52
150.0	2.66	1.82	2.38	1.68	2.31	1.68	2.38	2.66	1.75	2.52	1.75	2.52
155.0	2.73	1.89	2.45	1.82	2.38	1.89	2.45	2.73	1.89	2.59	1.89	2.52
160.0	2.80	2.03	2.52	1.96	2.45	1.96	2.52	2.73	2.03	2.59	1.96	2.59
165.0	2.80	2.10	2.52	2.17	2.45	2.03	2.66	2.80	2.17	2.66	2.10	2.59
170.0	2.87	2.24	2.59	2.24	2.52	2.10	2.73	2.73	2.17	2.73	2.10	2.59
175.0	2.87	2.24	2.59	2.31	2.59	2.17	2.73	2.73	2.31	2.73	2.24	2.59
180.0	2.87	2.38	2.59	2.45	2.52	2.24	2.94	2.59	2.31	2.73	2.24	2.59

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