

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

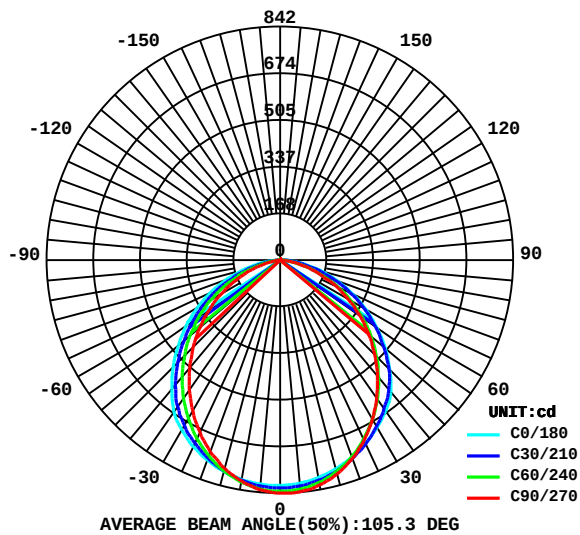
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

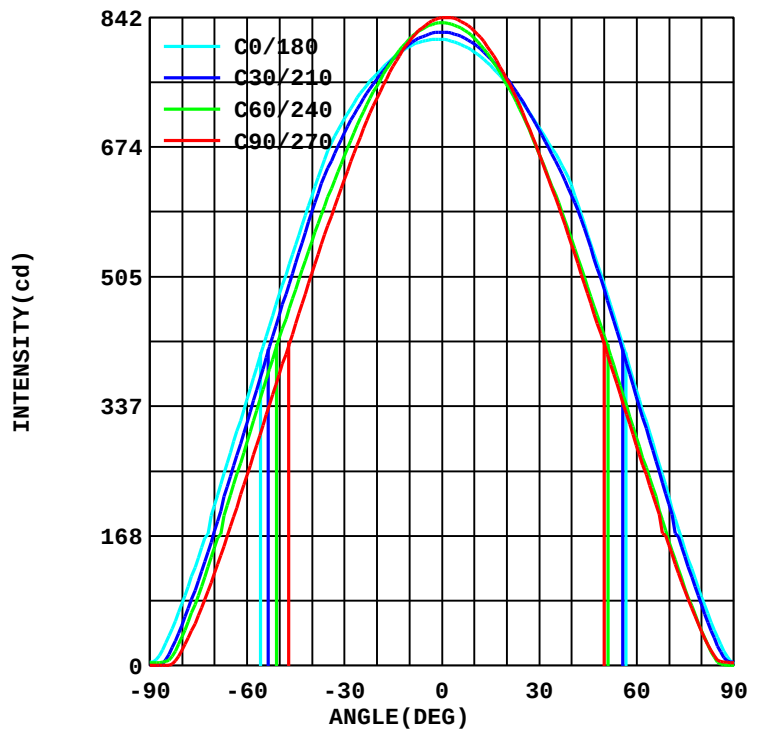
MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	842.3	S/MH(C0/180)	1.30
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.13
NOMINAL POWER(W)	24	TOTAL FLUX(lm)	2154.3	Voltage(V)	23.96
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	92.7	Current(A)	0.969
NOMINAL FLUX(lm)	2154.4	η up(%)	0.9	Power (W)	23.24
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	2095.4	EEI	0.151

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00
 Temperature:25.3DEG
 Operators:
 Test Date:04-05-2023

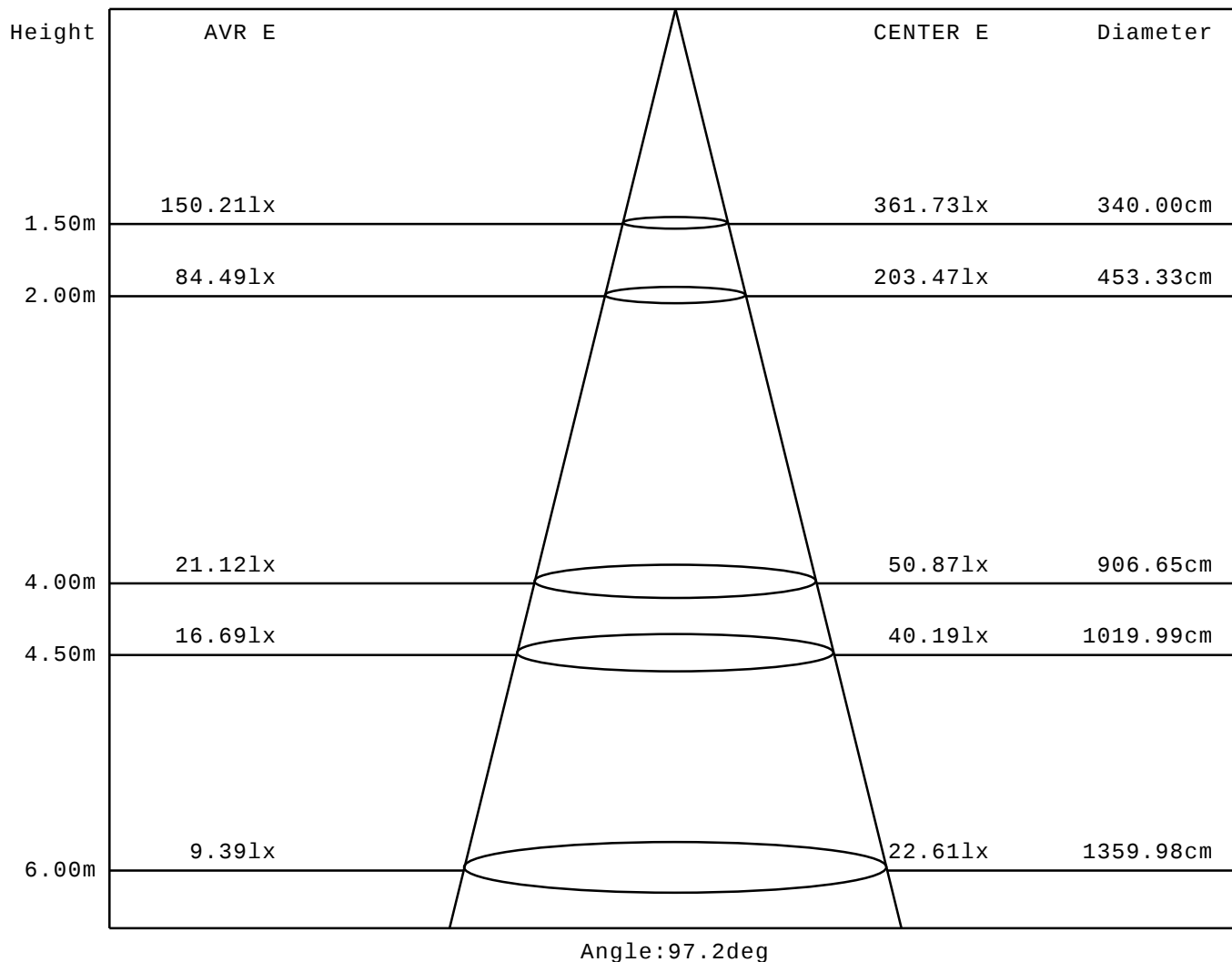
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:25.3DEG
Operators:
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-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	812.4	824.3	832.0	813.5	808.7	824.7	839.6	815.6	0- 5	19.67	19.67
10.0	804.0	810.3	810.6	799.2	797.4	811.4	824.7	803.6	5- 10	58.23	77.91
15.0	789.3	787.8	778.5	776.7	780.1	789.5	799.0	783.4	10- 15	94.45	172.3
20.0	768.8	757.6	737.0	746.6	757.2	759.6	762.9	755.1	15- 20	126.9	299.3
25.0	743.5	720.4	686.8	709.4	730.3	723.5	718.3	720.1	20- 25	154.5	453.9
30.0	710.7	677.3	631.5	666.5	699.6	681.0	665.4	678.6	25- 30	176.5	630.4
35.0	669.2	627.9	571.8	618.3	665.3	634.1	608.1	632.3	30- 35	192.1	822.5
40.0	609.1	569.5	509.3	561.6	623.8	582.6	546.9	581.8	35- 40	200.5	1023
45.0	546.5	506.2	444.6	498.9	560.4	523.9	483.3	523.9	40- 45	200.9	1224
50.0	481.7	439.9	377.8	432.8	495.1	458.9	418.4	459.3	45- 50	193.4	1418
55.0	414.8	372.2	312.0	364.7	427.7	392.1	353.2	392.8	50- 55	179.4	1597
60.0	346.6	303.1	247.0	295.9	359.0	323.6	286.7	324.2	55- 60	159.4	1756
65.0	276.2	233.5	180.8	227.0	289.7	255.3	221.8	255.3	60- 65	134.4	1891
70.0	207.9	163.9	120.5	158.3	220.1	186.0	157.0	185.5	65- 70	105.3	1996
75.0	140.4	100.6	65.45	95.90	150.7	121.0	97.58	120.5	70- 75	73.96	2070
80.0	80.01	44.41	19.25	40.70	89.53	62.34	44.87	62.30	75- 80	43.78	2114
85.0	29.47	6.300	0.420	5.180	36.82	15.33	7.420	15.64	80- 85	17.28	2131
90.0	4.620	2.065	0.280	1.995	2.030	2.520	3.920	2.450	85- 90	3.184	2134
95.0	4.130	1.995	0.420	1.960	1.190	2.450	3.570	2.380	90- 95	1.246	2136
100.0	3.920	2.030	0.630	1.995	1.610	2.520	3.430	2.450	95-100	1.227	2137
105.0	3.850	2.170	0.910	2.135	1.960	2.695	3.430	2.590	100-105	1.265	2138
110.0	3.850	2.310	1.120	2.310	2.380	2.905	3.500	2.835	105-110	1.322	2139
115.0	3.920	2.450	1.400	2.450	2.730	3.150	3.640	3.010	110-115	1.377	2141
120.0	4.060	2.695	1.680	2.695	3.080	3.325	3.850	3.255	115-120	1.426	2142
125.0	4.200	2.870	2.030	2.835	3.360	3.570	3.920	3.430	120-125	1.455	2144
130.0	4.340	3.045	2.310	3.080	3.640	3.710	4.130	3.640	125-130	1.456	2145
135.0	4.480	3.290	2.590	3.325	3.850	3.920	4.340	3.815	130-135	1.432	2147
140.0	4.550	3.535	2.870	3.535	4.130	4.060	4.480	3.990	135-140	1.387	2148
145.0	4.620	3.745	3.150	3.710	4.270	4.200	4.620	4.130	140-145	1.312	2149
150.0	4.830	3.920	3.430	3.920	4.410	4.375	4.760	4.270	145-150	1.209	2151
155.0	4.970	4.130	3.710	4.165	4.620	4.480	4.830	4.410	150-155	1.085	2152
160.0	5.180	4.340	4.060	4.305	4.760	4.620	5.040	4.550	155-160	0.938	2153
165.0	5.250	4.480	4.340	4.515	4.970	4.760	5.180	4.690	160-165	0.763	2153
170.0	5.390	4.655	4.550	4.620	5.110	4.830	5.320	4.760	165-170	0.567	2154
175.0	5.460	4.760	4.760	4.725	5.250	4.865	5.320	4.830	170-175	0.350	2154
180.0	5.460	4.865	4.970	4.760	5.390	4.900	5.320	4.830	175-180	0.118	2154
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

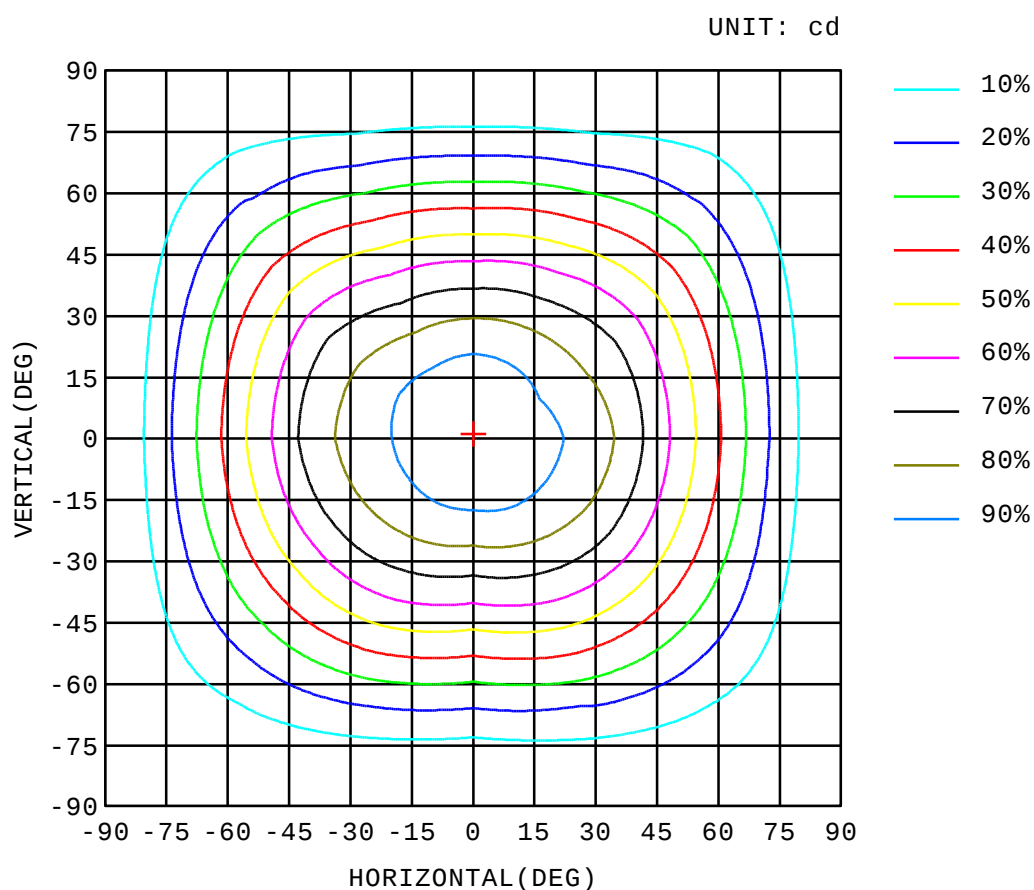
Test System:HOP00
Temperature:25.3DEG
Operators:
Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.367 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



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Temperature:25.3DEG
Operators:
Test Date:04-05-2023

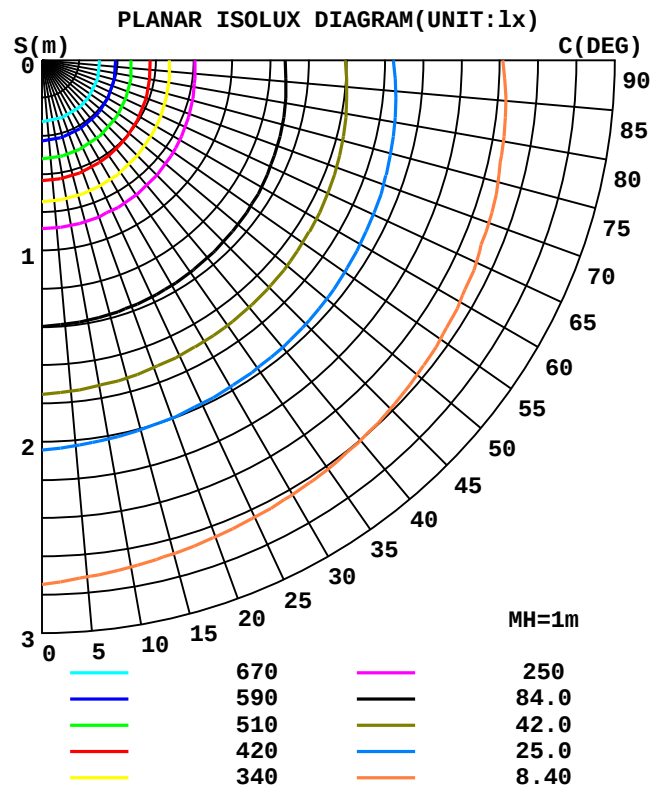
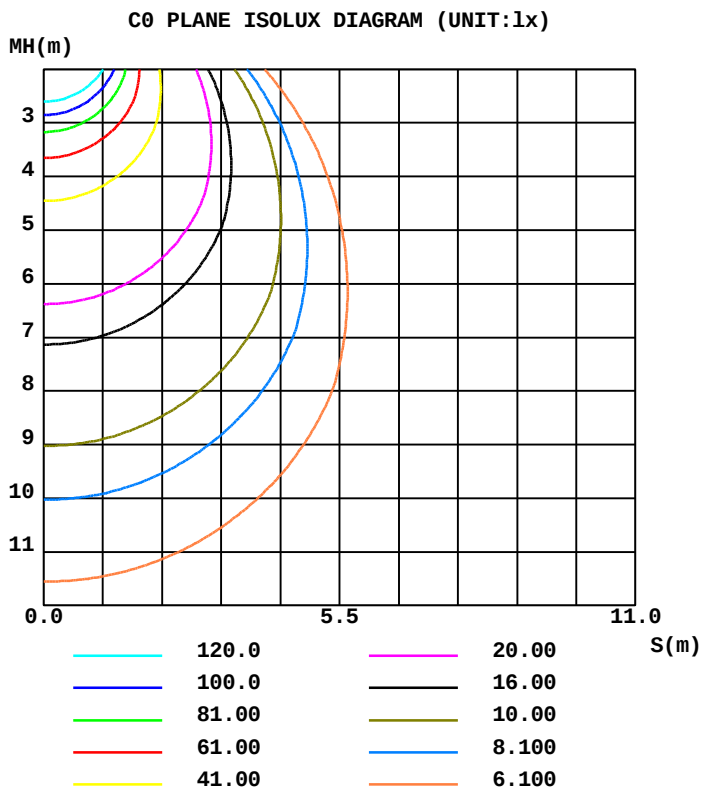
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Remarks:

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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
 Temperature:25.3DEG
 Operators:
 Test Date:04-05-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-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	814	823	835	842	827	811	814	823	835	842	827	811
5.0	812	819	830	832	820	807	809	819	830	840	825	807
10.0	804	807	813	811	803	795	797	808	815	825	812	795
15.0	789	788	788	779	777	776	780	789	790	799	790	777
20.0	769	762	753	737	744	750	757	763	756	763	759	752
25.0	744	730	711	687	702	716	730	733	714	718	719	721
30.0	711	692	663	632	655	678	700	696	666	665	673	685
35.0	669	647	609	572	603	634	665	656	612	608	620	645
40.0	609	589	550	509	545	579	624	611	554	547	563	601
45.0	547	524	489	445	484	514	560	556	492	483	501	547
50.0	482	455	425	378	420	446	495	489	429	418	437	482
55.0	415	386	359	312	353	377	428	421	364	353	372	414
60.0	347	316	291	247	284	308	359	350	297	287	304	344
65.0	276	246	221	181	215	239	290	279	231	222	236	275
70.0	208	175	153	121	148	169	220	210	162	157	165	206
75.0	140	110	90.8	65.4	85.8	106	151	142	100	97.5	102	139
80.0	80.0	51.8	36.9	19.2	33.1	48.3	89.5	79.2	45.4	44.8	46.9	77.6
85.0	29.4	7.56	5.04	0.42	4.83	5.53	36.8	25.7	4.90	7.42	5.88	25.4
90.0	4.62	0.42	3.71	0.28	3.64	0.35	2.03	4.62	0.42	3.92	0.42	4.48
95.0	4.13	0.63	3.36	0.42	3.36	0.56	1.19	4.20	0.70	3.57	0.63	4.13
100.0	3.92	0.84	3.22	0.63	3.15	0.84	1.61	4.06	0.98	3.43	0.91	3.99
105.0	3.85	1.19	3.15	0.91	3.15	1.12	1.96	4.06	1.33	3.43	1.26	3.92
110.0	3.85	1.47	3.15	1.12	3.15	1.47	2.38	4.13	1.68	3.50	1.61	4.06
115.0	3.92	1.75	3.15	1.40	3.22	1.68	2.73	4.27	2.03	3.64	1.89	4.13
120.0	4.06	2.10	3.29	1.68	3.36	2.03	3.08	4.34	2.31	3.85	2.24	4.27
125.0	4.20	2.31	3.43	2.03	3.43	2.24	3.36	4.48	2.66	3.92	2.52	4.34
130.0	4.34	2.52	3.57	2.31	3.57	2.59	3.64	4.55	2.87	4.13	2.87	4.41
135.0	4.48	2.80	3.78	2.59	3.78	2.87	3.85	4.69	3.15	4.34	3.08	4.55
140.0	4.55	3.15	3.92	2.87	3.92	3.15	4.13	4.76	3.36	4.48	3.36	4.62
145.0	4.62	3.36	4.13	3.15	3.99	3.43	4.27	4.83	3.57	4.62	3.57	4.69
150.0	4.83	3.57	4.27	3.43	4.20	3.64	4.41	4.97	3.78	4.76	3.78	4.76
155.0	4.97	3.78	4.48	3.71	4.41	3.92	4.62	5.04	3.92	4.83	3.99	4.83
160.0	5.18	4.06	4.62	4.06	4.55	4.06	4.76	5.11	4.13	5.04	4.20	4.90
165.0	5.25	4.20	4.76	4.34	4.76	4.27	4.97	5.18	4.34	5.18	4.41	4.97
170.0	5.39	4.41	4.90	4.55	4.83	4.41	5.11	5.25	4.41	5.32	4.48	5.04
175.0	5.46	4.55	4.97	4.76	4.97	4.48	5.25	5.18	4.55	5.32	4.55	5.11
180.0	5.46	4.76	4.97	4.97	4.97	4.55	5.39	5.11	4.69	5.32	4.62	5.04

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Operators:
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