

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

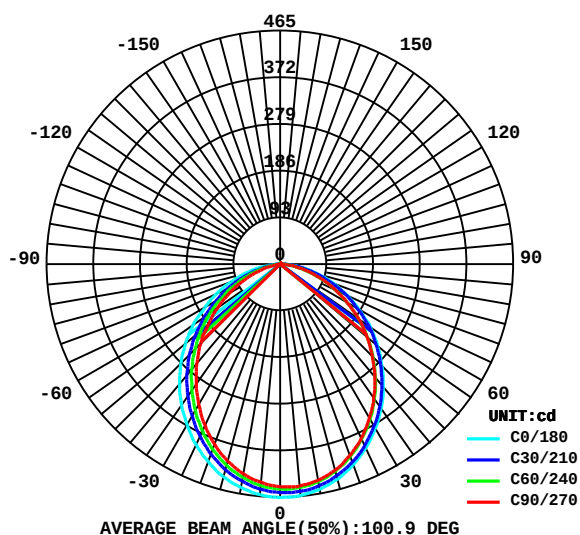
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

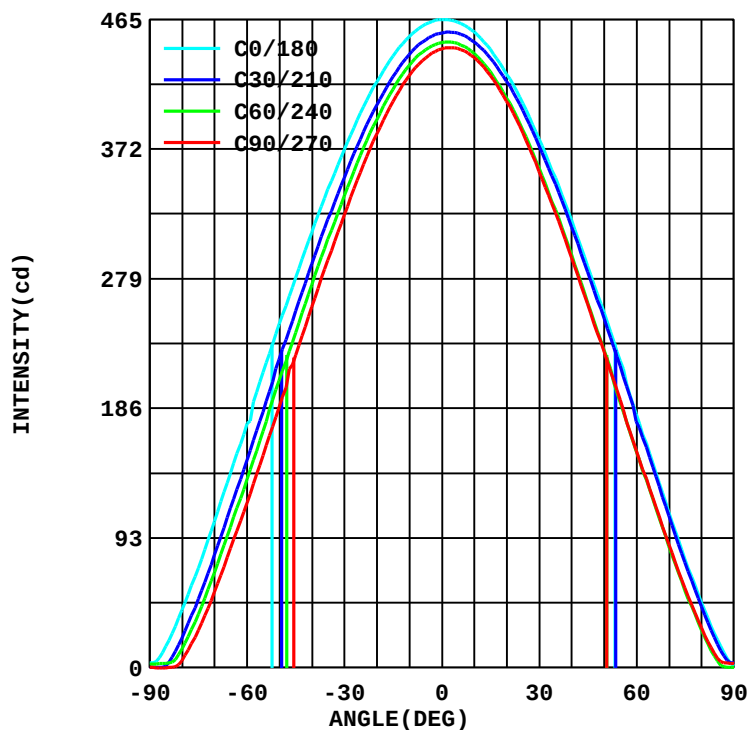
MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	464.7	S/MH(C0/180)	1.20
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.11
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1107.2	Voltage(V)	24.01
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	88.0	Current(A)	0.524
NOMINAL FLUX(lm)	1107.3	η up(%)	1.0	Power(W)	12.59
LAMPS QUANTITY	1	η down(%)	99.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1072.4	EEI	0.155

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

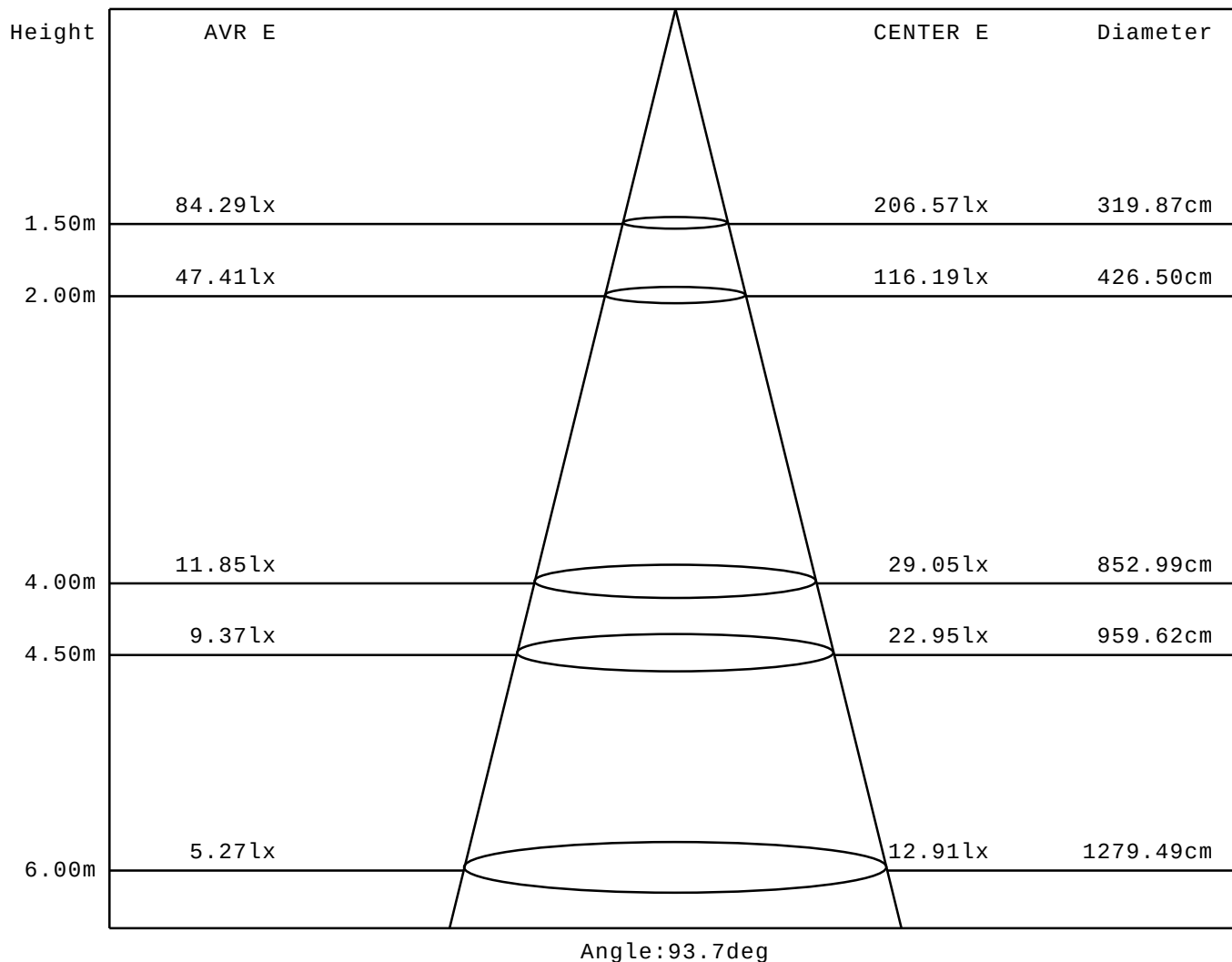
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:44%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

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MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
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Humidity:44%
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-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	461.2	446.5	437.0	435.3	462.8	451.0	443.7	439.6	0- 5	10.69	10.69
10.0	452.1	435.4	424.3	424.5	455.6	444.3	437.2	432.9	5- 10	31.57	42.27
15.0	438.2	419.2	406.0	408.6	443.2	432.0	424.7	420.8	10- 15	51.00	93.27
20.0	419.8	398.2	382.7	388.2	425.7	414.3	406.4	403.6	15- 20	68.10	161.3
25.0	397.4	373.0	354.8	363.6	404.2	392.4	383.3	382.0	20- 25	82.19	243.5
30.0	371.5	344.8	324.5	336.0	379.3	366.3	355.9	356.4	25- 30	92.78	336.3
35.0	343.1	314.2	292.1	306.0	351.2	337.4	326.0	328.1	30- 35	99.64	436.0
40.0	311.8	281.7	258.5	274.1	320.7	306.1	293.9	297.5	35- 40	102.6	538.6
45.0	279.4	248.0	224.3	241.2	287.9	272.9	260.6	265.1	40- 45	101.9	640.6
50.0	246.0	213.4	186.3	207.7	254.2	238.9	226.4	232.0	45- 50	97.69	738.3
55.0	211.7	176.5	152.0	171.6	219.8	203.1	192.2	196.9	50- 55	89.93	828.2
60.0	174.8	142.0	118.1	137.8	181.9	165.9	155.5	161.8	55- 60	79.25	907.5
65.0	139.2	107.5	85.40	104.2	146.7	132.3	121.6	128.1	60- 65	66.47	973.9
70.0	104.8	74.48	54.53	72.17	111.2	97.97	88.48	94.68	65- 70	52.14	1026
75.0	71.54	43.71	26.88	42.28	77.70	65.38	56.98	62.93	70- 75	36.86	1063
80.0	40.88	17.11	4.970	16.48	46.62	35.38	28.70	33.84	75- 80	21.81	1085
85.0	15.19	2.100	0	2.100	19.81	10.64	6.650	9.800	80- 85	8.921	1094
90.0	3.290	1.365	0.070	1.330	1.260	1.750	2.870	1.610	85- 90	1.960	1096
95.0	2.940	1.330	0.140	1.260	0.630	1.610	2.590	1.540	90- 95	0.830	1097
100.0	2.730	1.295	0.280	1.260	0.840	1.575	2.450	1.505	95-100	0.797	1097
105.0	2.660	1.365	0.420	1.260	1.050	1.610	2.380	1.540	100-105	0.789	1098
110.0	2.520	1.400	0.560	1.365	1.260	1.715	2.310	1.645	105-110	0.800	1099
115.0	2.520	1.505	0.700	1.400	1.470	1.820	2.380	1.715	110-115	0.813	1100
120.0	2.590	1.575	0.910	1.505	1.680	1.890	2.380	1.820	115-120	0.828	1101
125.0	2.590	1.680	1.050	1.575	1.820	2.030	2.380	1.890	120-125	0.832	1101
130.0	2.590	1.715	1.190	1.680	2.030	2.100	2.450	1.995	125-130	0.825	1102
135.0	2.660	1.890	1.330	1.820	2.100	2.135	2.520	2.100	130-135	0.804	1103
140.0	2.730	1.995	1.470	1.890	2.310	2.275	2.590	2.170	135-140	0.773	1104
145.0	2.730	2.100	1.680	2.030	2.450	2.310	2.660	2.240	140-145	0.730	1105
150.0	2.800	2.170	1.820	2.100	2.520	2.415	2.730	2.310	145-150	0.669	1105
155.0	2.870	2.275	1.960	2.170	2.660	2.485	2.730	2.415	150-155	0.598	1106
160.0	2.940	2.345	2.100	2.275	2.800	2.555	2.800	2.450	155-160	0.515	1106
165.0	3.010	2.450	2.240	2.380	2.870	2.590	2.870	2.520	160-165	0.419	1107
170.0	3.080	2.555	2.450	2.450	2.940	2.660	2.940	2.590	165-170	0.310	1107
175.0	3.080	2.590	2.520	2.520	3.010	2.695	3.010	2.590	170-175	0.191	1107
180.0	3.080	2.660	2.590	2.555	3.150	2.695	2.940	2.555	175-180	0.065	1107
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

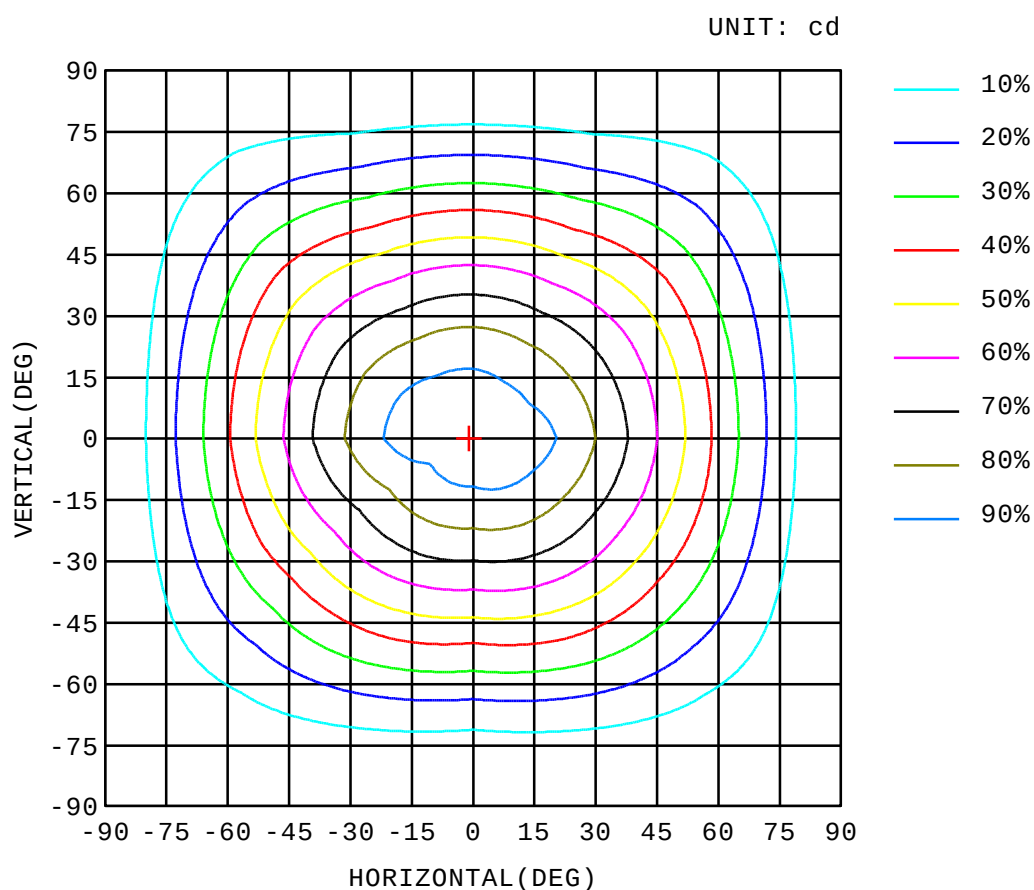
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

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-24-30K-H0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



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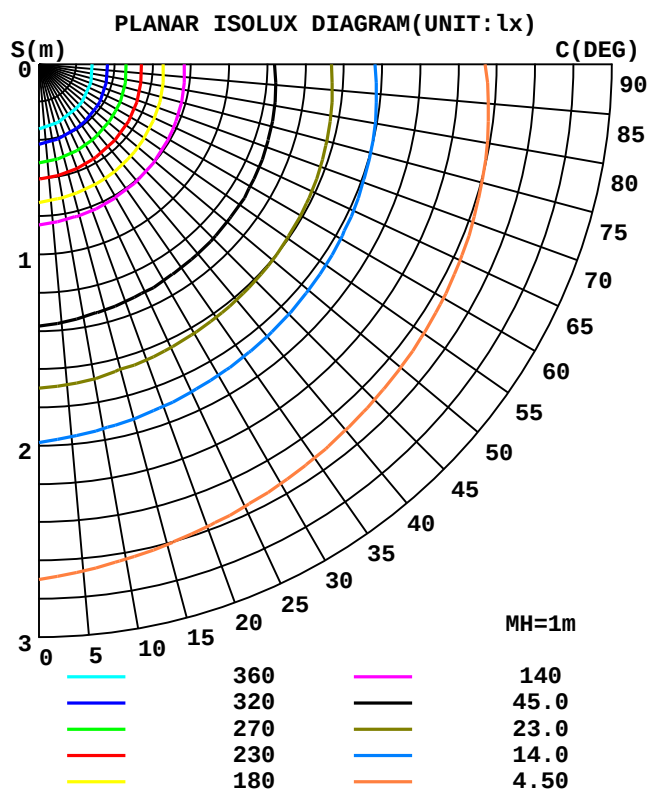
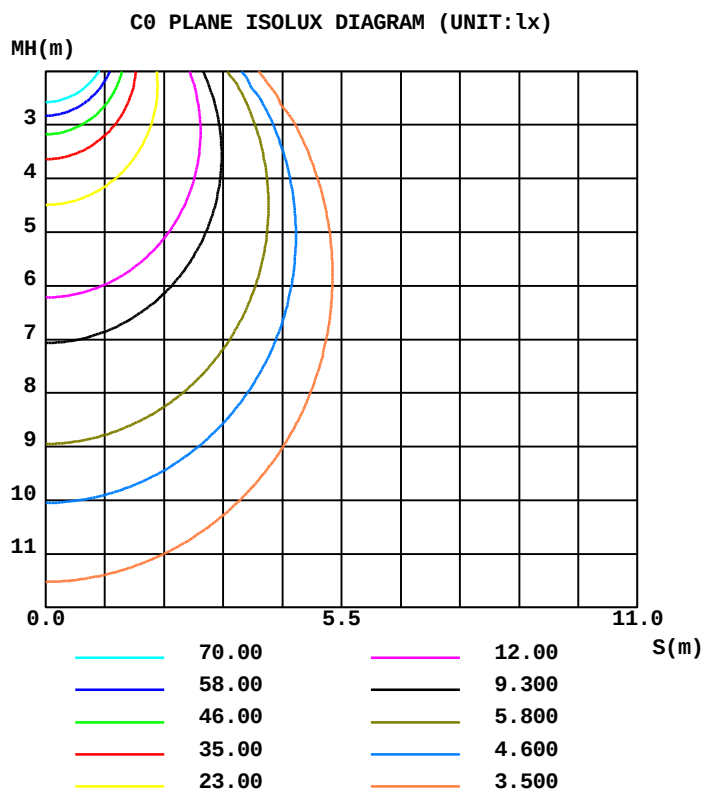
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-H0-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-24-30K-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	465	455	448	444	441	440	465	455	448	444	441	440
5.0	461	450	443	437	436	435	463	455	447	444	440	439
10.0	452	439	432	424	425	424	456	448	440	437	433	433
15.0	438	424	415	406	408	409	443	437	427	425	420	421
20.0	420	403	393	383	387	390	426	420	408	406	402	405
25.0	397	379	367	355	361	366	404	399	385	383	379	385
30.0	372	351	338	325	333	339	379	374	358	356	352	360
35.0	343	321	307	292	302	310	351	346	328	326	323	333
40.0	312	289	274	259	269	279	321	316	296	294	291	304
45.0	279	256	240	224	236	247	288	284	262	261	257	273
50.0	246	221	206	186	202	214	254	250	228	226	223	241
55.0	212	183	170	152	166	177	220	216	190	192	187	207
60.0	175	149	135	118	132	143	182	176	155	156	153	171
65.0	139	114	101	85.4	98.2	110	147	144	121	122	119	137
70.0	105	80.8	68.1	54.5	66.2	78.0	111	109	87.0	88.4	85.4	104
75.0	71.5	49.3	38.0	26.8	36.7	47.8	77.7	75.3	55.4	56.9	54.3	71.4
80.0	40.8	21.0	13.2	4.97	12.4	20.5	46.6	43.8	26.8	28.7	26.5	41.1
85.0	15.1	1.12	3.08	0.00	3.01	1.19	19.8	16.5	4.76	6.65	4.76	14.8
90.0	3.29	0.14	2.59	0.07	2.59	0.07	1.26	3.29	0.21	2.87	0.07	3.15
95.0	2.94	0.28	2.38	0.14	2.31	0.21	0.63	2.94	0.28	2.59	0.21	2.87
100.0	2.73	0.35	2.24	0.28	2.17	0.35	0.84	2.80	0.35	2.45	0.35	2.66
105.0	2.66	0.56	2.17	0.42	2.10	0.42	1.05	2.66	0.56	2.38	0.49	2.59
110.0	2.52	0.70	2.10	0.56	2.10	0.63	1.26	2.66	0.77	2.31	0.70	2.59
115.0	2.52	0.91	2.10	0.70	2.03	0.77	1.47	2.66	0.98	2.38	0.84	2.59
120.0	2.59	1.05	2.10	0.91	2.10	0.91	1.68	2.66	1.12	2.38	1.05	2.59
125.0	2.59	1.19	2.17	1.05	2.10	1.05	1.82	2.73	1.33	2.38	1.19	2.59
130.0	2.59	1.26	2.17	1.19	2.17	1.19	2.03	2.73	1.47	2.45	1.40	2.59
135.0	2.66	1.47	2.31	1.33	2.24	1.40	2.10	2.73	1.54	2.52	1.54	2.66
140.0	2.73	1.61	2.38	1.47	2.24	1.54	2.31	2.80	1.75	2.59	1.68	2.66
145.0	2.73	1.75	2.45	1.68	2.38	1.68	2.45	2.80	1.82	2.66	1.75	2.73
150.0	2.80	1.89	2.45	1.82	2.38	1.82	2.52	2.87	1.96	2.73	1.89	2.73
155.0	2.87	1.96	2.59	1.96	2.45	1.89	2.66	2.87	2.10	2.73	2.10	2.73
160.0	2.94	2.10	2.59	2.10	2.52	2.03	2.80	2.94	2.17	2.80	2.10	2.80
165.0	3.01	2.24	2.66	2.24	2.59	2.17	2.87	2.87	2.31	2.87	2.24	2.80
170.0	3.08	2.38	2.73	2.45	2.66	2.24	2.94	2.94	2.38	2.94	2.38	2.80
175.0	3.08	2.45	2.73	2.52	2.73	2.31	3.01	2.94	2.45	3.01	2.38	2.80
180.0	3.08	2.59	2.73	2.59	2.73	2.38	3.15	2.87	2.52	2.94	2.38	2.73

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Operators:
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