

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

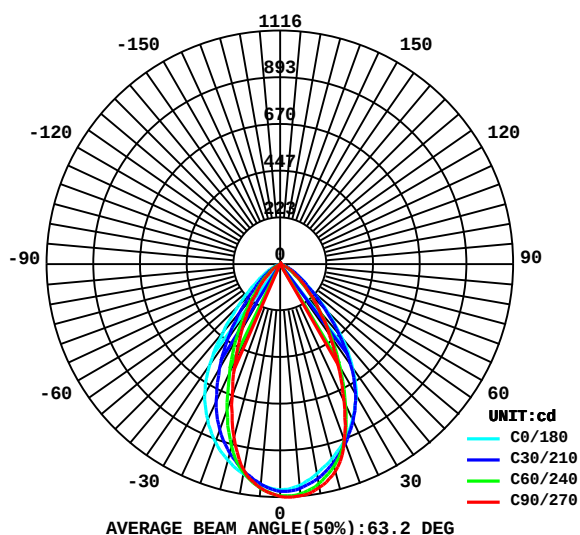
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

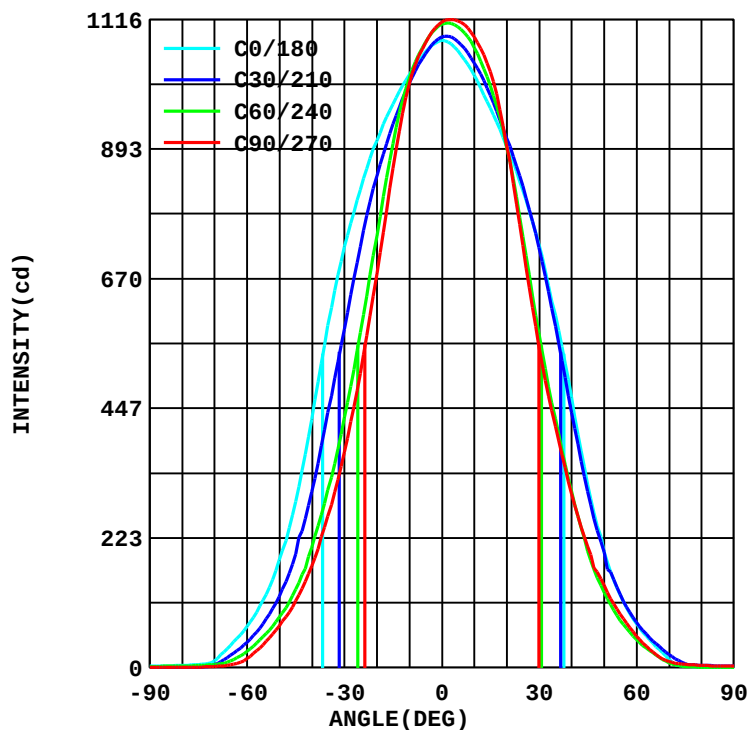
MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	1116	S/MH(C0/180)	1.05
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.74
NOMINAL POWER(W)	24	TOTAL FLUX(lm)	1264.1	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	54.6	Current(A)	0.965
NOMINAL FLUX(lm)	1264.2	η up(%)	1.0	Power(W)	23.16
LAMPS QUANTITY	1	η down(%)	99.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1164.2	EEI	0.266

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

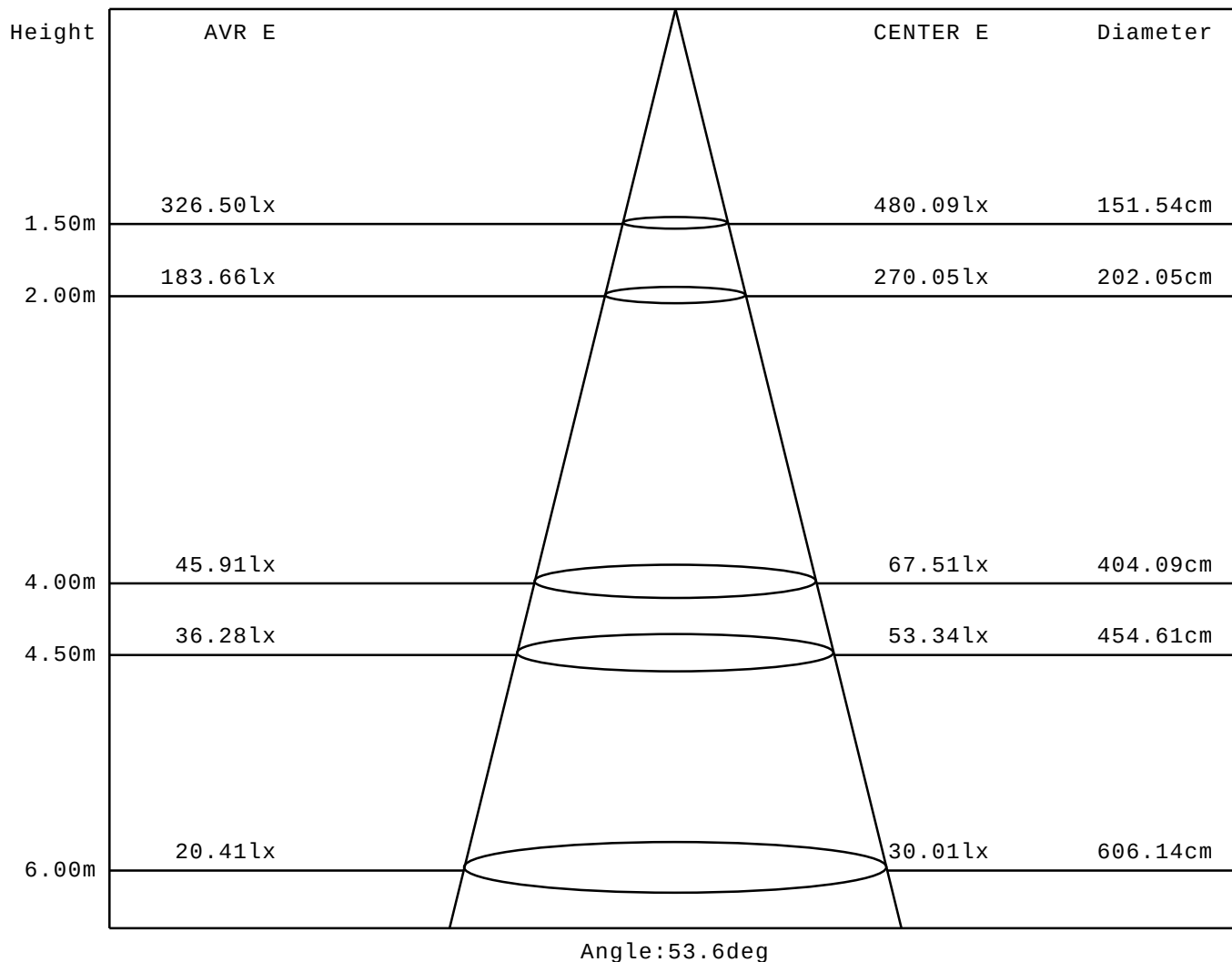
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:44%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

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



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

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Humidity:44%
Test Distance:8.367 m
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-L-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	1060	1067	1076	1052	1063	1091	1114	1066	0- 5	25.84	25.84
10.0	1020	1009	1004	996.0	1020	1055	1086	1030	5- 10	75.03	100.8
15.0	970.1	918.8	860.1	901.4	964.3	994.0	1026	975.3	10- 15	117.2	218.0
20.0	907.6	795.3	678.5	773.1	898.6	905.9	902.2	894.5	15- 20	147.8	365.9
25.0	823.2	650.4	506.0	628.5	821.6	785.8	727.2	777.3	20- 25	163.0	529.0
30.0	724.5	506.3	370.4	488.6	728.5	649.4	553.1	640.3	25- 30	163.0	692.1
35.0	589.2	372.4	260.5	357.3	606.8	508.1	414.7	501.2	30- 35	150.4	842.5
40.0	427.3	254.6	175.0	246.1	465.3	371.4	299.1	368.7	35- 40	127.1	969.6
45.0	285.8	165.0	115.0	159.4	315.9	252.5	209.3	260.8	40- 45	98.44	1068
50.0	184.3	104.2	71.61	101.1	198.9	164.0	141.4	164.3	45- 50	70.51	1139
55.0	116.0	64.12	39.34	61.81	124.9	103.8	92.54	104.2	50- 55	47.94	1187
60.0	71.26	36.15	15.54	34.44	76.30	63.70	54.81	63.60	55- 60	31.31	1218
65.0	38.36	16.13	4.410	15.15	42.35	35.84	27.09	35.63	60- 65	18.45	1236
70.0	11.13	5.145	2.030	4.970	14.70	15.78	10.36	15.43	65- 70	8.943	1245
75.0	5.390	2.240	0.700	2.135	2.520	4.550	5.950	4.410	70- 75	3.097	1248
80.0	3.780	1.575	0.280	1.540	1.190	2.380	3.850	2.345	75- 80	1.396	1250
85.0	2.940	1.225	0.070	1.190	0.630	1.750	2.870	1.680	80- 85	0.958	1251
90.0	2.520	1.085	0.070	1.015	0.700	1.400	2.380	1.330	85- 90	0.756	1251
95.0	2.310	0.980	0.070	1.050	0.840	1.225	2.030	1.190	90- 95	0.658	1252
100.0	2.100	0.980	0.140	0.980	0.840	1.155	1.890	1.120	95-100	0.622	1253
105.0	2.030	0.945	0.210	0.980	0.770	1.190	1.750	1.120	100-105	0.592	1253
110.0	2.030	1.050	0.280	1.015	1.190	1.190	1.680	1.155	105-110	0.589	1254
115.0	2.100	1.120	0.350	1.085	1.610	1.365	1.680	1.295	110-115	0.615	1255
120.0	2.240	1.260	0.560	1.225	1.750	1.540	1.750	1.470	115-120	0.656	1255
125.0	2.450	1.470	0.770	1.435	2.100	1.820	1.820	1.680	120-125	0.710	1256
130.0	2.660	1.750	0.980	1.680	2.520	2.100	2.100	1.960	125-130	0.776	1257
135.0	3.010	2.065	1.330	1.995	3.010	2.485	2.310	2.310	130-135	0.850	1258
140.0	3.290	2.415	1.750	2.415	3.500	2.905	2.660	2.695	135-140	0.918	1258
145.0	3.710	2.870	2.240	2.835	3.920	3.395	3.150	3.185	140-145	0.969	1259
150.0	4.200	3.255	2.730	3.255	4.340	3.850	3.640	3.640	145-150	0.985	1260
155.0	4.620	3.710	3.360	3.780	4.690	4.270	4.200	4.025	150-155	0.962	1261
160.0	5.040	4.165	3.920	4.200	5.110	4.690	4.760	4.410	155-160	0.892	1262
165.0	5.390	4.585	4.480	4.550	5.460	4.970	5.180	4.760	160-165	0.768	1263
170.0	5.740	4.970	4.970	4.935	5.670	5.285	5.530	5.040	165-170	0.596	1264
175.0	5.950	5.285	5.320	5.180	5.950	5.460	5.810	5.285	170-175	0.381	1264
180.0	6.020	5.460	5.600	5.250	6.020	5.460	5.880	5.355	175-180	0.131	1264
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

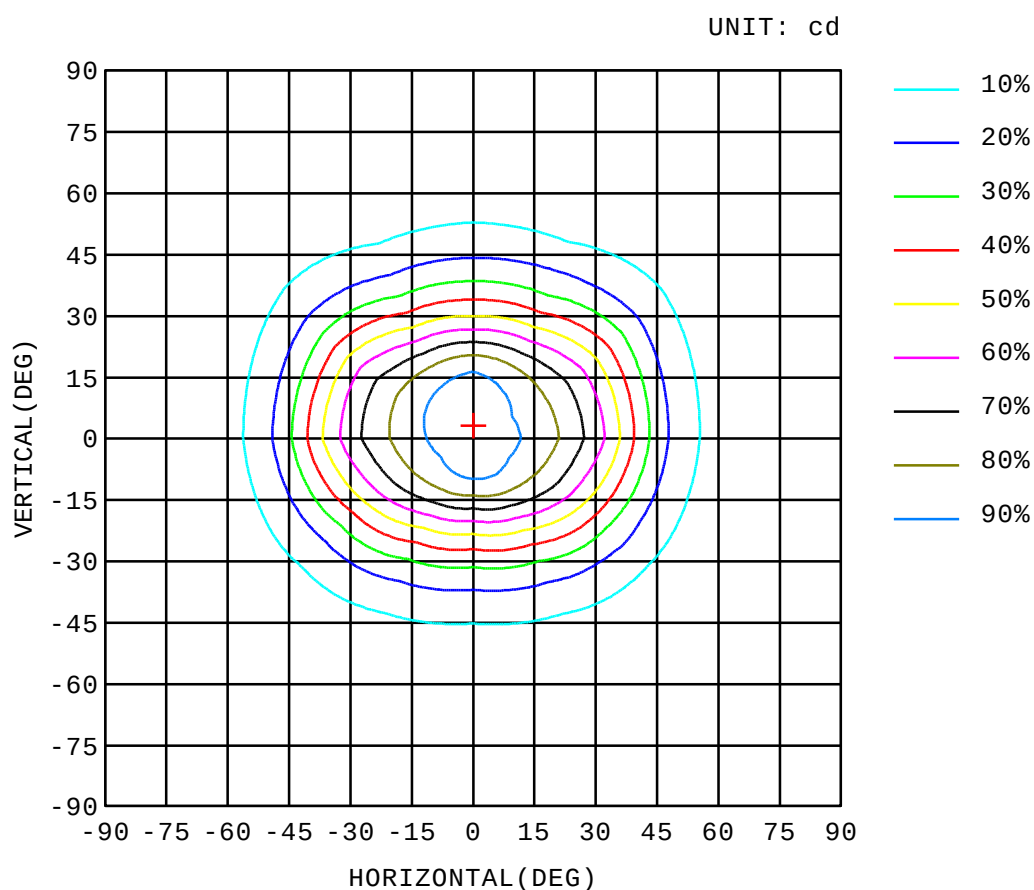
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

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-H0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
 Temperature:22DEG
 Operators:
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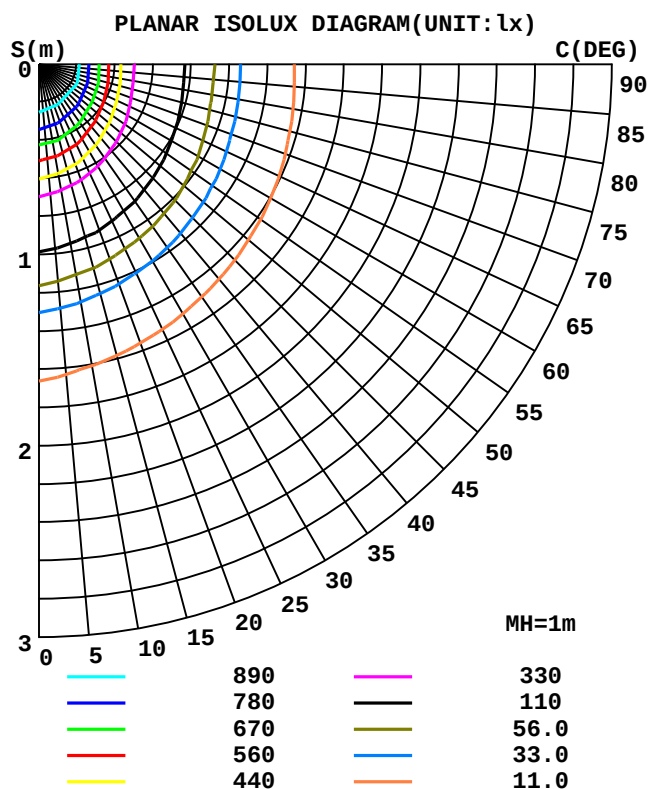
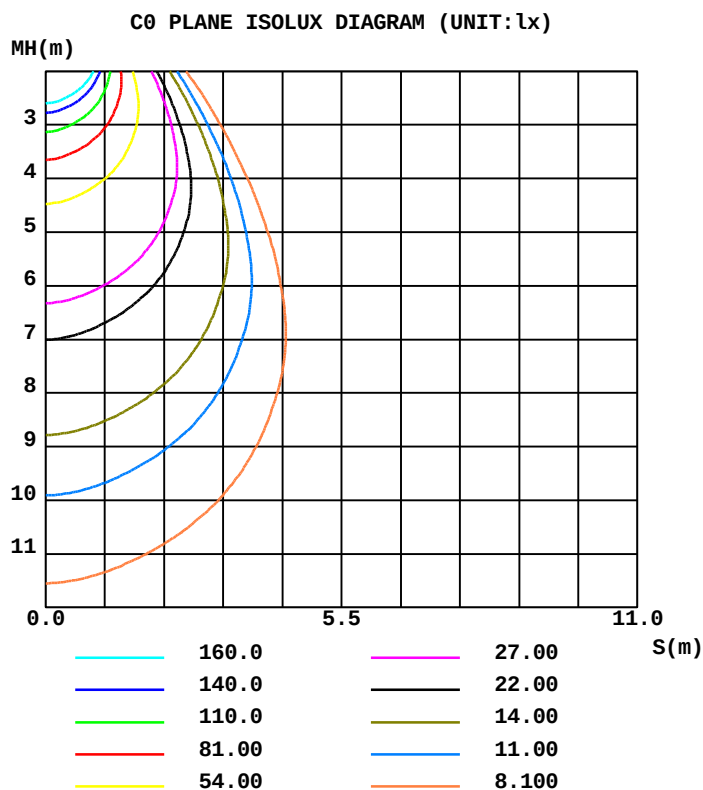
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-H0-L-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-H0-L-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	1080	1086	1108	1111	1087	1065	1080	1086	1108	1111	1087	1065
5.0	1060	1057	1078	1076	1060	1044	1063	1078	1104	1114	1082	1050
10.0	1020	1005	1013	1004	998	994	1020	1041	1068	1086	1048	1013
15.0	970	936	902	860	881	922	964	986	1003	1026	989	961
20.0	908	848	743	679	719	827	899	914	898	902	894	895
25.0	823	724	576	506	556	701	822	829	743	727	743	812
30.0	725	583	430	370	416	561	729	723	576	553	578	703
35.0	589	439	306	261	297	418	607	588	428	415	433	570
40.0	427	302	207	175	202	290	465	439	304	299	309	429
45.0	286	196	134	115	132	187	316	304	201	209	223	298
50.0	184	122	86.3	71.6	84.1	118	199	199	129	141	134	195
55.0	116	75.1	53.1	39.3	51.6	71.9	125	126	81.5	92.5	84.6	124
60.0	71.2	43.7	28.5	15.5	26.9	41.9	76.3	78.2	49.1	54.8	50.9	76.2
65.0	38.3	21.1	11.1	4.41	10.2	20.0	42.3	46.2	25.4	27.0	26.1	45.0
70.0	11.1	5.11	5.18	2.03	5.04	4.90	14.7	23.0	8.54	10.3	8.82	22.0
75.0	5.39	0.91	3.57	0.70	3.50	0.77	2.52	6.93	2.17	5.95	2.10	6.72
80.0	3.78	0.35	2.80	0.28	2.73	0.35	1.19	3.92	0.84	3.85	0.84	3.85
85.0	2.94	0.14	2.31	0.07	2.24	0.14	0.63	3.08	0.42	2.87	0.35	3.01
90.0	2.52	0.14	2.03	0.07	1.96	0.07	0.70	2.59	0.21	2.38	0.14	2.52
95.0	2.31	0.14	1.82	0.07	1.89	0.21	0.84	2.31	0.14	2.03	0.14	2.24
100.0	2.10	0.21	1.75	0.14	1.68	0.28	0.84	2.10	0.21	1.89	0.14	2.10
105.0	2.03	0.28	1.61	0.21	1.61	0.35	0.77	2.10	0.28	1.75	0.21	2.03
110.0	2.03	0.49	1.61	0.28	1.54	0.49	1.19	2.03	0.35	1.68	0.28	2.03
115.0	2.10	0.63	1.61	0.35	1.54	0.63	1.61	2.17	0.56	1.68	0.49	2.10
120.0	2.24	0.91	1.61	0.56	1.61	0.84	1.75	2.38	0.70	1.75	0.70	2.24
125.0	2.45	1.19	1.75	0.77	1.75	1.12	2.10	2.59	1.05	1.82	0.91	2.45
130.0	2.66	1.54	1.96	0.98	1.89	1.47	2.52	2.87	1.33	2.10	1.19	2.73
135.0	3.01	1.89	2.24	1.33	2.17	1.82	3.01	3.22	1.75	2.31	1.61	3.01
140.0	3.29	2.24	2.59	1.75	2.52	2.31	3.50	3.57	2.24	2.66	2.03	3.36
145.0	3.71	2.66	3.08	2.24	2.94	2.73	3.92	3.99	2.80	3.15	2.59	3.78
150.0	4.20	3.08	3.43	2.73	3.36	3.15	4.34	4.41	3.29	3.64	3.15	4.13
155.0	4.62	3.57	3.85	3.36	3.85	3.71	4.69	4.76	3.78	4.20	3.64	4.41
160.0	5.04	4.06	4.27	3.92	4.27	4.13	5.11	5.04	4.34	4.76	4.13	4.69
165.0	5.39	4.48	4.69	4.48	4.62	4.48	5.46	5.32	4.62	5.18	4.55	4.97
170.0	5.74	4.83	5.11	4.97	4.97	4.90	5.67	5.60	4.97	5.53	4.83	5.25
175.0	5.95	5.18	5.39	5.32	5.32	5.04	5.95	5.74	5.18	5.81	5.11	5.46
180.0	6.02	5.39	5.53	5.60	5.39	5.11	6.02	5.60	5.32	5.88	5.25	5.46

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Operators:
Test Date:04-05-2023

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Remarks: