

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

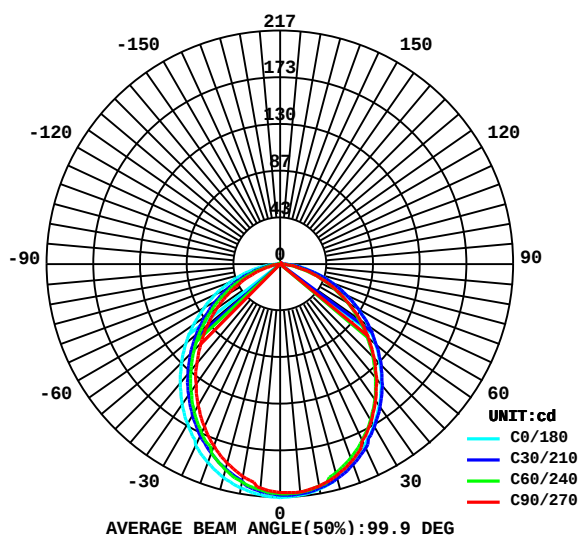
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

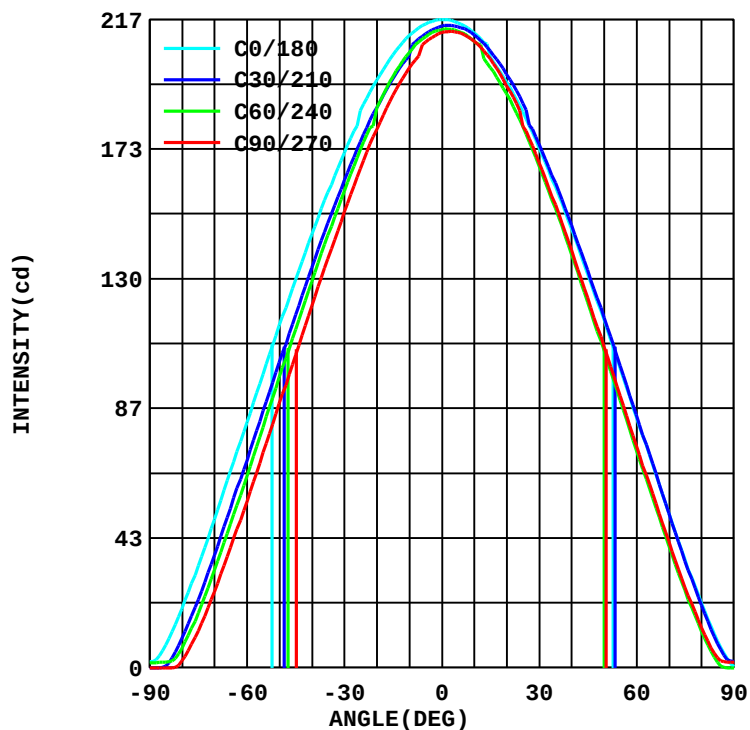
MANUFACTURER:	Address:	
NAME: SMA-24-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	216.5	S/MH(C0/180)	1.19
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.09
NOMINAL POWER(W)	6	TOTAL FLUX(lm)	521.49	Voltage(V)	24.04
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	92.8	Current(A)	0.233
NOMINAL FLUX(lm)	521.5	η up(%)	1.1	Power(W)	5.620
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	504.7	EEI	0.126

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

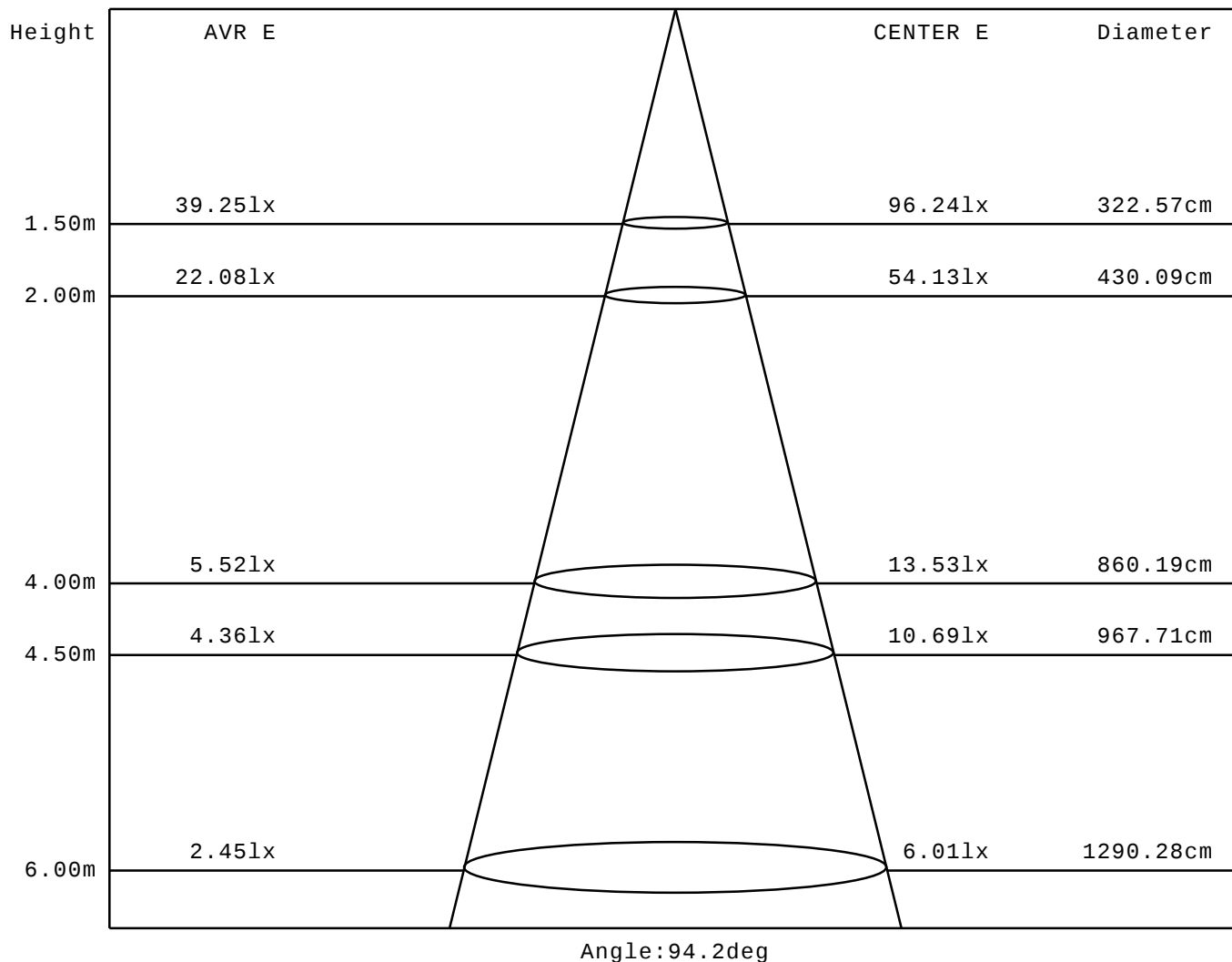
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:44%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



Test System:HOP00
Temperature:22DEG
Operators:
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-24-30K-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	214.9	211.2	208.8	209.6	215.4	213.3	212.1	211.6	0- 5	5.084	5.084
10.0	211.0	204.8	200.1	203.2	211.9	210.3	209.1	208.6	5- 10	14.99	20.08
15.0	204.6	197.1	191.1	195.5	203.7	203.2	203.3	201.6	10- 15	24.14	44.23
20.0	196.2	187.1	179.8	185.7	195.6	194.9	194.4	193.3	15- 20	32.18	76.41
25.0	186.0	174.3	166.6	173.0	185.6	184.5	180.8	182.9	20- 25	38.75	115.1
30.0	171.8	160.9	152.1	159.6	173.6	171.2	168.8	169.6	25- 30	43.58	158.7
35.0	158.6	146.3	136.5	145.1	160.6	157.6	154.6	156.1	30- 35	46.75	205.5
40.0	144.6	131.1	120.6	129.9	146.5	142.9	139.3	141.4	35- 40	48.13	253.6
45.0	129.6	115.4	104.3	114.2	131.6	127.4	123.5	126.1	40- 45	47.76	301.4
50.0	114.2	99.44	88.06	98.35	116.1	111.3	107.0	110.1	45- 50	45.75	347.1
55.0	98.00	83.02	71.82	82.11	99.89	94.96	90.65	93.80	50- 55	42.22	389.3
60.0	81.90	66.61	55.44	65.84	83.79	78.61	74.27	77.53	55- 60	37.36	426.7
65.0	65.66	50.54	40.04	49.91	67.55	62.30	58.03	61.29	60- 65	31.42	458.1
70.0	49.56	35.07	25.41	34.58	51.66	46.23	42.14	45.32	65- 70	24.65	482.8
75.0	34.09	20.58	12.32	20.26	36.19	30.73	26.81	29.85	70- 75	17.42	500.2
80.0	19.53	8.085	2.170	7.875	21.42	16.45	13.37	15.68	75- 80	10.25	510.5
85.0	7.560	1.190	0	1.050	8.960	4.970	3.220	4.375	80- 85	4.180	514.6
90.0	2.100	0.805	0	0.770	0.420	1.015	1.750	0.945	85- 90	0.992	515.6
95.0	1.890	0.770	0	0.665	0.280	0.910	1.540	0.840	90- 95	0.484	516.1
100.0	1.750	0.735	0	0.665	0.350	0.875	1.470	0.805	95-100	0.443	516.6
105.0	1.610	0.735	0	0.665	0.490	0.875	1.330	0.805	100-105	0.426	517.0
110.0	1.540	0.700	0.070	0.700	0.630	0.840	1.330	0.805	105-110	0.420	517.4
115.0	1.540	0.735	0.210	0.665	0.700	0.910	1.330	0.840	110-115	0.417	517.8
120.0	1.470	0.805	0.210	0.700	0.770	0.910	1.260	0.875	115-120	0.414	518.2
125.0	1.470	0.805	0.280	0.735	0.910	0.980	1.330	0.910	120-125	0.410	518.6
130.0	1.470	0.875	0.420	0.770	0.980	1.015	1.260	0.945	125-130	0.405	519.1
135.0	1.470	0.875	0.490	0.840	1.050	1.050	1.260	0.945	130-135	0.388	519.4
140.0	1.470	0.910	0.490	0.840	1.120	1.085	1.330	0.980	135-140	0.370	519.8
145.0	1.470	0.980	0.630	0.875	1.190	1.050	1.330	1.050	140-145	0.343	520.2
150.0	1.470	1.050	0.700	0.945	1.260	1.120	1.330	1.050	145-150	0.314	520.5
155.0	1.540	1.085	0.770	0.980	1.330	1.190	1.330	1.085	150-155	0.281	520.8
160.0	1.470	1.120	0.840	1.015	1.400	1.190	1.330	1.120	155-160	0.240	521.0
165.0	1.540	1.190	0.910	1.085	1.470	1.190	1.330	1.120	160-165	0.193	521.2
170.0	1.540	1.190	1.050	1.085	1.540	1.225	1.400	1.155	165-170	0.144	521.3
175.0	1.540	1.225	1.050	1.085	1.540	1.225	1.400	1.155	170-175	0.089	521.4
180.0	1.470	1.225	1.120	1.120	1.680	1.225	1.400	1.155	175-180	0.030	521.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

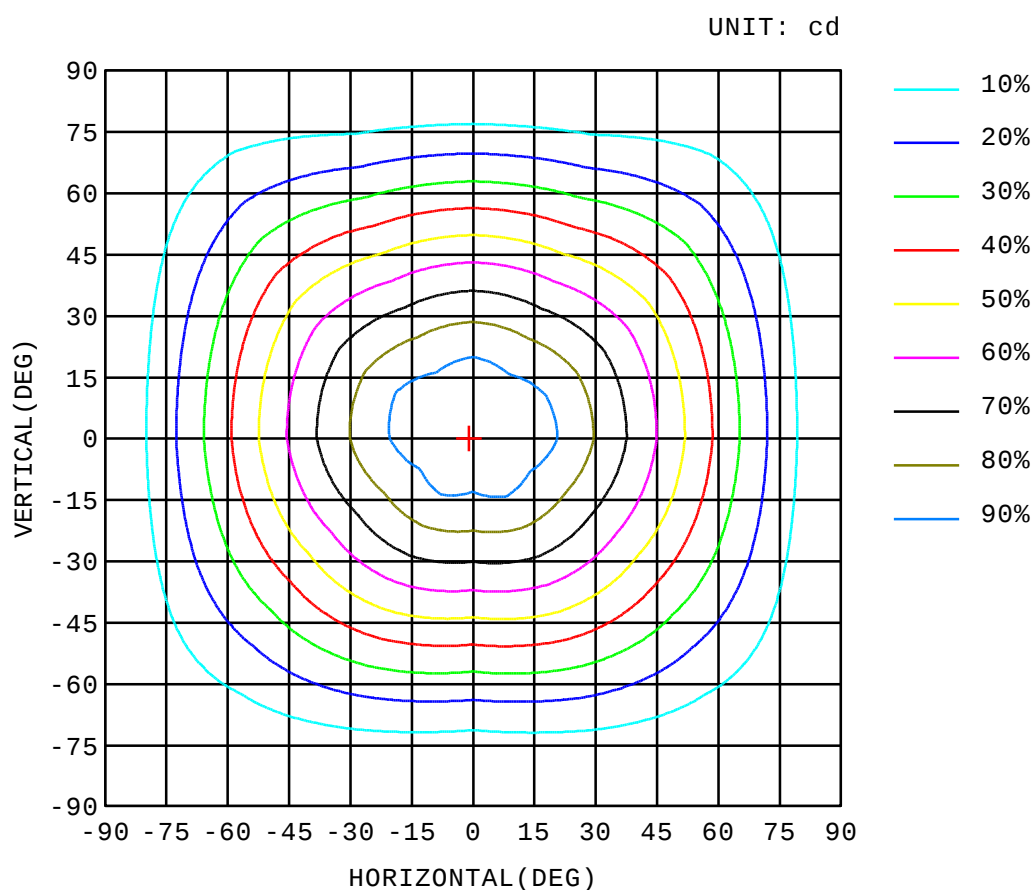
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

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-S0-F-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



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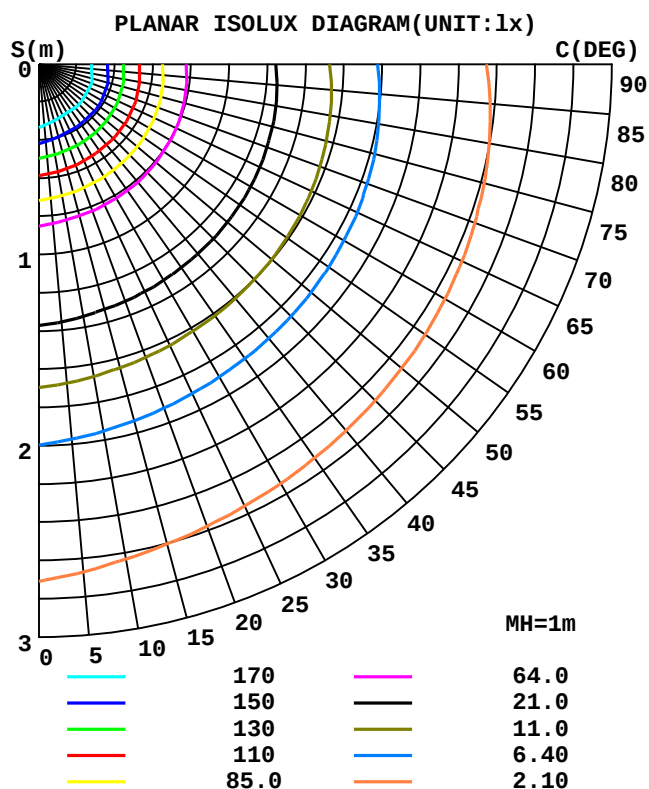
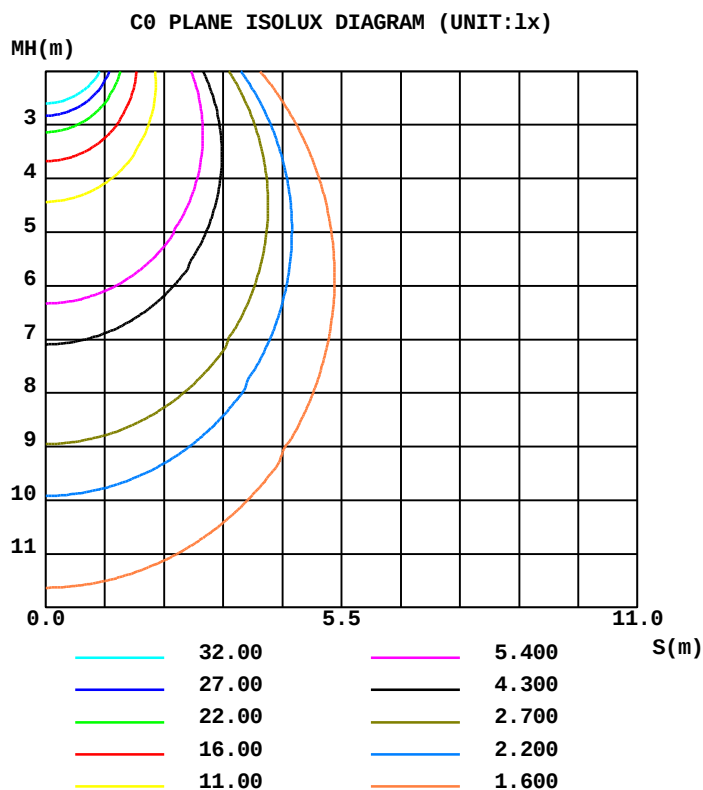
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ISOLUX DIAGRAM

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NAME: SMA-24-30K-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-24-30K-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	217	214	213	212	212	212	217	214	213	212	212	212
5.0	215	212	211	209	210	210	215	214	213	212	212	212
10.0	211	204	205	200	204	202	212	211	209	209	208	209
15.0	205	197	197	191	196	195	204	206	200	203	200	204
20.0	196	187	187	180	186	185	196	198	192	194	191	196
25.0	186	176	173	167	172	174	186	188	181	181	180	186
30.0	172	163	159	152	158	161	174	175	168	169	167	173
35.0	159	148	144	137	143	147	161	162	153	155	153	160
40.0	145	134	129	121	128	132	147	148	138	139	137	146
45.0	130	118	113	104	112	117	132	133	122	124	122	131
50.0	114	102	96.9	88.0	95.9	101	116	117	106	107	105	115
55.0	98.0	85.7	80.2	71.8	79.3	84.8	99.8	101	89.1	90.6	88.6	98.9
60.0	81.9	69.2	63.9	55.4	63.2	68.4	83.7	84.4	72.7	74.2	72.1	82.8
65.0	65.6	53.2	47.8	40.0	47.2	52.5	67.5	68.0	56.5	58.0	56.0	66.5
70.0	49.5	37.5	32.5	25.4	31.9	37.2	51.6	51.6	40.8	42.1	40.3	50.3
75.0	34.0	22.8	18.3	12.3	17.8	22.6	36.1	35.5	25.9	26.8	25.4	34.3
80.0	19.5	9.80	6.37	2.17	6.02	9.73	21.4	20.7	12.1	13.3	11.7	19.6
85.0	7.56	0.49	1.89	0.00	1.75	0.35	8.96	8.12	1.82	3.22	1.54	7.21
90.0	2.10	0.00	1.61	0.00	1.54	0.00	0.42	2.03	0.00	1.75	0.00	1.89
95.0	1.89	0.07	1.47	0.00	1.33	0.00	0.28	1.82	0.00	1.54	0.00	1.68
100.0	1.75	0.07	1.40	0.00	1.33	0.00	0.35	1.68	0.07	1.47	0.00	1.61
105.0	1.61	0.14	1.33	0.00	1.19	0.14	0.49	1.61	0.14	1.33	0.07	1.54
110.0	1.54	0.21	1.19	0.07	1.19	0.21	0.63	1.47	0.21	1.33	0.14	1.47
115.0	1.54	0.28	1.19	0.21	1.12	0.21	0.70	1.54	0.28	1.33	0.28	1.40
120.0	1.47	0.42	1.19	0.21	1.12	0.28	0.77	1.47	0.35	1.26	0.35	1.40
125.0	1.47	0.42	1.19	0.28	1.12	0.35	0.91	1.47	0.49	1.33	0.42	1.40
130.0	1.47	0.56	1.19	0.42	1.12	0.42	0.98	1.47	0.56	1.26	0.49	1.40
135.0	1.47	0.56	1.19	0.49	1.12	0.56	1.05	1.47	0.63	1.26	0.56	1.33
140.0	1.47	0.63	1.19	0.49	1.12	0.56	1.12	1.47	0.70	1.33	0.63	1.33
145.0	1.47	0.77	1.19	0.63	1.12	0.63	1.19	1.40	0.70	1.33	0.70	1.40
150.0	1.47	0.84	1.26	0.70	1.19	0.70	1.26	1.40	0.84	1.33	0.77	1.33
155.0	1.54	0.91	1.26	0.77	1.19	0.77	1.33	1.47	0.91	1.33	0.84	1.33
160.0	1.47	0.91	1.33	0.84	1.19	0.84	1.40	1.47	0.91	1.33	0.91	1.33
165.0	1.54	1.05	1.33	0.91	1.26	0.91	1.47	1.40	0.98	1.33	0.91	1.33
170.0	1.54	1.05	1.33	1.05	1.26	0.91	1.54	1.40	1.05	1.40	0.91	1.40
175.0	1.54	1.12	1.33	1.05	1.26	0.91	1.54	1.40	1.05	1.40	0.98	1.33
180.0	1.47	1.19	1.26	1.12	1.26	0.98	1.68	1.33	1.12	1.40	1.05	1.26

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Operators:
Test Date:04-05-2023

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