

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

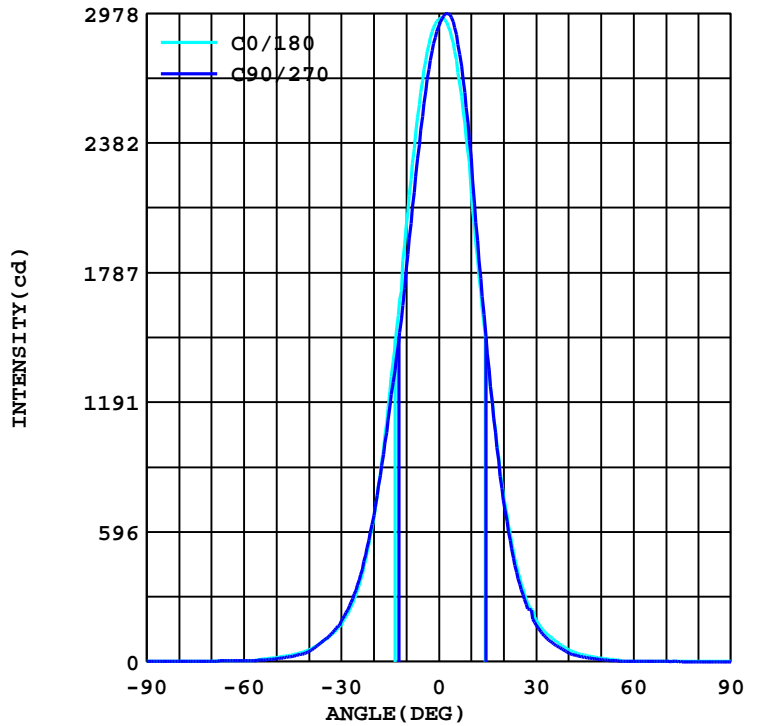
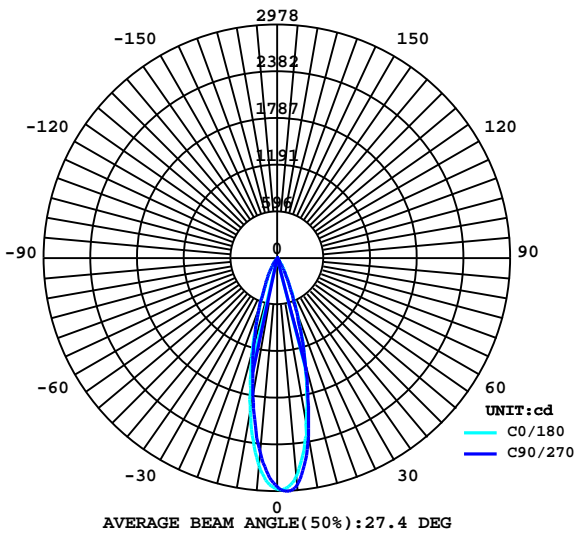
Report number:

MANUFACTURER:		Address:	
NAME: SD-12-30K-SO-LV30-WH		TYPE:	WEIGHT:N/A
SPECIFICATION:		DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

DATA OF LAMP		Imax(cd)	2978	S/MH(C0/180)	0.45
MODEL	3528 LED	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.41
NOMINAL POWER(W)	14	TOTAL FLUX(lm)	867.30	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	65.5	Current(A)	0.551
NOMINAL FLUX(lm)	867.3	η up(%)	1.0	Power(W)	13.25
LAMPS QUANTITY	1	η down(%)	99.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	0.0	EEL	0.000

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



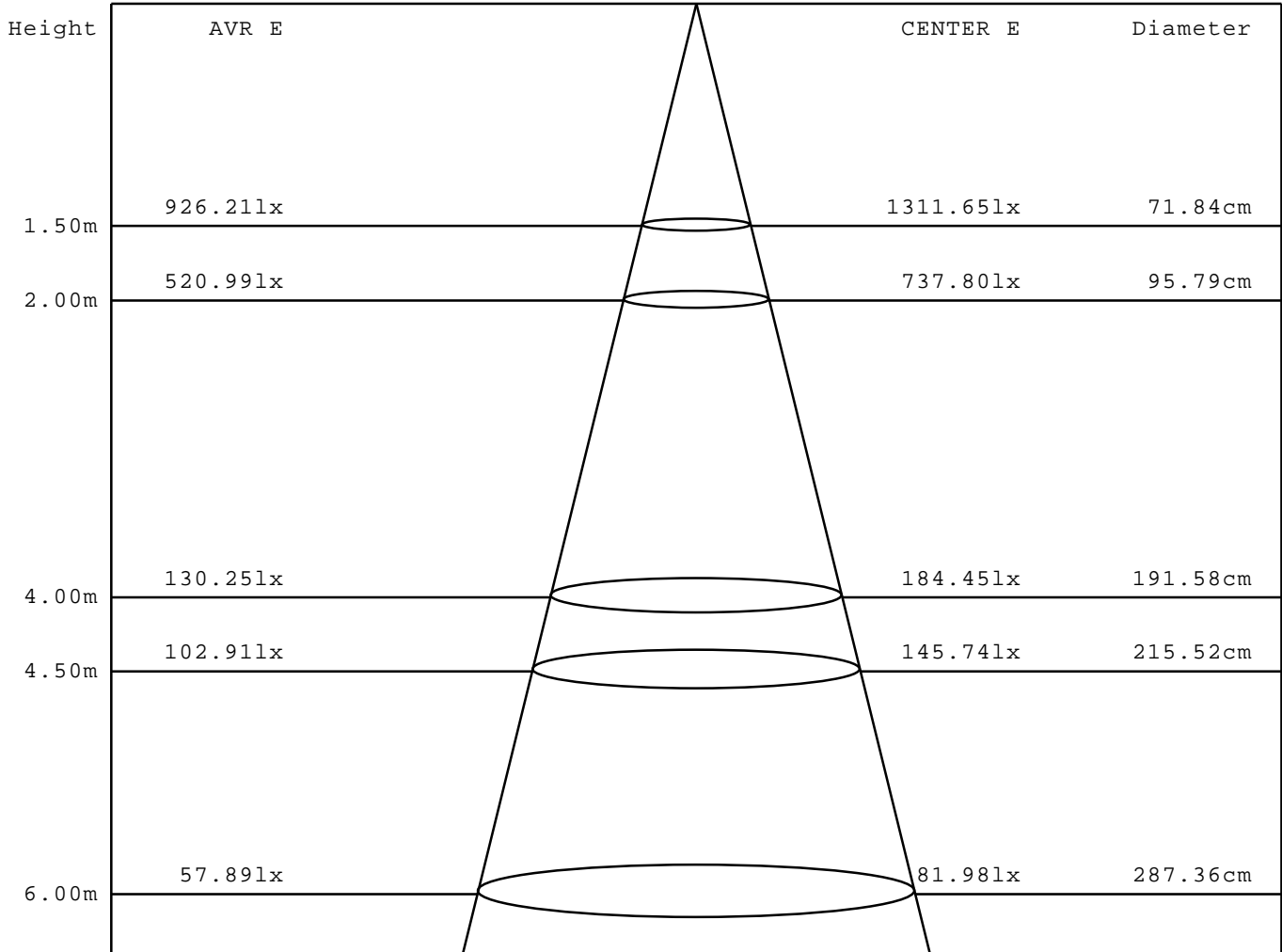
Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-LV30-WH

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-LV30-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



Angle:26.9deg

Test System:HOP00
 Temperature:25.3DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks: SD-12-30K-SO-LV30-WH

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-LV30-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	2668	2547	2502	2537	2804	2895	2913	2869	0- 5	68	68
10.0	1992	1847	1793	1817	2152	2296	2316	2275	5- 10	170	238
15.0	1244	1186	1174	1172	1392	1446	1417	1436	10- 15	196	434
20.0	658.5	648.9	670.4	650.7	767.6	775.6	741.4	777.6	15- 20	162	595
25.0	327.3	324.5	350.6	331.1	382.6	378.6	355.0	379.5	20- 25	107	702
30.0	165.1	162.6	186.9	167.8	191.4	188.5	169.1	188.4	25- 30	64	766
35.0	100.2	85.98	101.5	89.55	106.8	99.50	87.03	99.64	30- 35	39	805
40.0	53.56	43.55	46.91	45.23	54.40	53.63	40.68	53.77	35- 40	23	828
45.0	31.72	19.04	24.43	19.25	29.40	26.95	19.60	27.16	40- 45	13	841
50.0	19.18	9.243	13.37	9.103	16.31	14.98	9.383	15.19	45- 50	7	849
55.0	9.733	3.571	6.442	3.221	7.282	8.052	3.151	8.192	50- 55	4	853
60.0	3.991	0.700	3.921	0.630	0.840	4.271	0.630	4.201	55- 60	2	854
65.0	3.291	0.280	3.221	0.280	0.490	3.221	0.280	3.291	60- 65	1	855
70.0	2.800	0.070	2.660	0.070	0.350	2.730	0.140	2.730	65- 70	1	856
75.0	2.380	0	2.310	0	0.210	2.380	0	2.310	70- 75	1	857
80.0	2.100	0	2.030	0	0.140	2.030	0	2.030	75- 80	1	857
85.0	1.890	0	1.750	0	0.140	1.890	0	1.820	80- 85	1	858
90.0	1.680	0	1.610	0	0.140	1.680	0	1.610	85- 90	0	859
95.0	1.540	0	1.470	0	0.140	1.540	0	1.540	90- 95	0	859
100.0	1.400	0	1.330	0	0.210	1.400	0	1.400	95-100	0	859
105.0	1.330	0	1.260	0	0.210	1.330	0	1.330	100-105	0	860
110.0	1.260	0	1.120	0	0.280	1.190	0.070	1.190	105-110	0	860
115.0	1.120	0.070	1.050	0	0.350	1.190	0.070	1.120	110-115	0	860
120.0	1.120	0.070	1.050	0.070	0.350	1.120	0.140	1.120	115-120	0	861
125.0	1.050	0.140	0.980	0.070	0.490	1.190	0.280	1.120	120-125	0	861
130.0	1.120	0.210	0.980	0.140	0.700	1.260	0.490	1.260	125-130	0	861
135.0	1.120	0.350	1.050	0.350	1.050	1.470	0.700	1.400	130-135	0	862
140.0	1.330	0.630	1.190	0.630	1.470	1.960	1.260	1.890	135-140	0	862
145.0	1.680	1.120	1.470	1.120	2.310	2.660	1.960	2.660	140-145	1	863
150.0	2.310	1.960	2.170	1.890	3.291	3.781	2.940	3.711	145-150	1	863
155.0	3.291	3.011	3.221	2.940	4.551	4.971	4.201	4.901	150-155	1	864
160.0	4.341	3.991	4.411	4.061	5.671	6.022	5.531	6.092	155-160	1	865
165.0	5.321	4.901	5.461	4.831	6.722	6.792	6.652	6.792	160-165	1	866
170.0	6.162	5.391	6.162	5.391	7.282	7.072	7.282	7.072	165-170	1	867
175.0	6.862	5.811	6.722	5.881	7.492	7.002	7.352	6.862	170-175	0	867
180.0	7.282	6.302	7.212	6.302	7.422	6.582	7.072	6.512	175-180	0	867
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

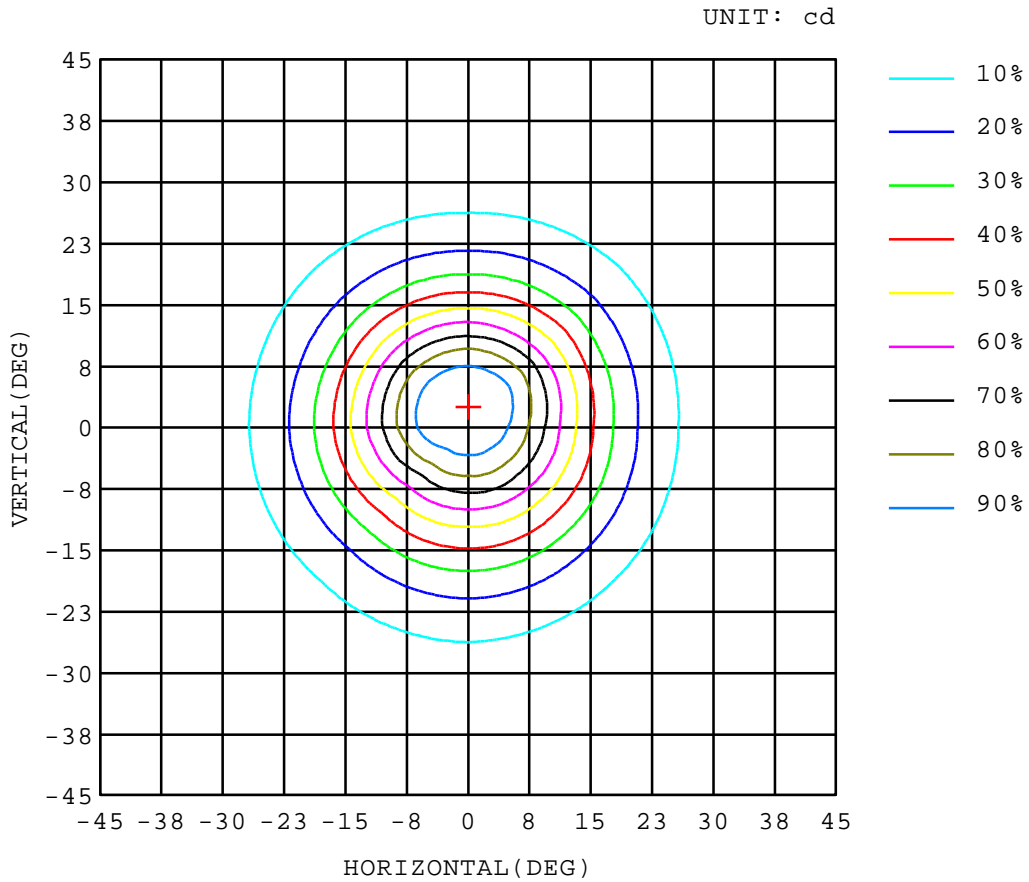
Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-LV30-WH

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-LV30-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



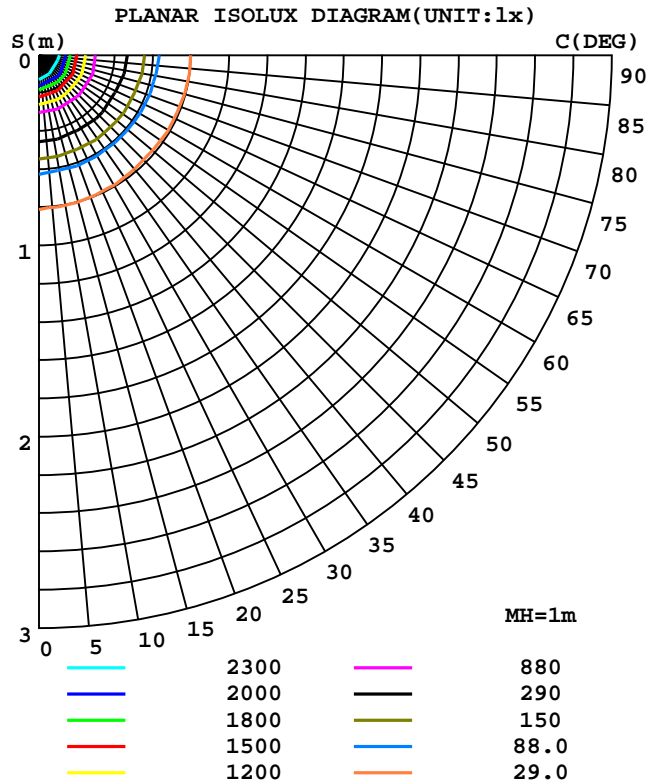
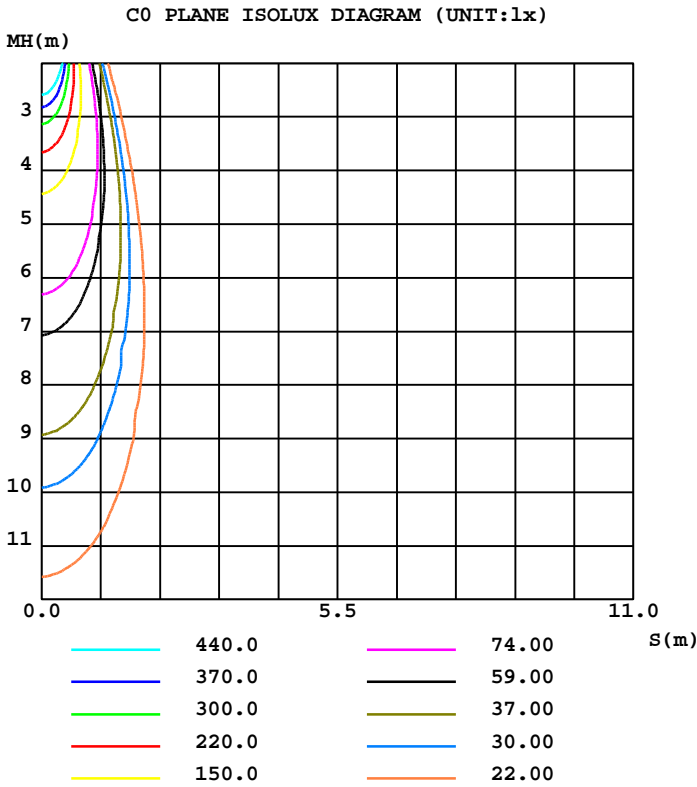
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 Temperature:25.3DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks: SD-12-30K-SO-LV30-WH

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-LV30-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-LV30-WH

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-LV30-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

UNIT: cd

C(DEG)\ γ (DEG)	0	45	90	135	180	225	270	315
0.0	2951	2929	2918	2915	2951	2929	2918	2915
5.0	2668	2547	2502	2537	2804	2895	2913	2869
10.0	1992	1847	1793	1817	2152	2296	2316	2275
15.0	1244	1186	1174	1172	1392	1446	1417	1436
20.0	659	649	670	651	768	776	741	778
25.0	327	325	351	331	383	379	355	380
30.0	165	163	187	168	191	189	169	188
35.0	100	85.9	102	89.5	107	99.5	87.0	99.6
40.0	53.5	43.5	46.9	45.2	54.4	53.6	40.6	53.7
45.0	31.7	19.0	24.4	19.2	29.4	26.9	19.6	27.1
50.0	19.1	9.24	13.3	9.10	16.3	14.9	9.38	15.1
55.0	9.73	3.57	6.44	3.22	7.28	8.05	3.15	8.19
60.0	3.99	0.70	3.92	0.63	0.84	4.27	0.63	4.20
65.0	3.29	0.28	3.22	0.28	0.49	3.22	0.28	3.29
70.0	2.80	0.07	2.66	0.07	0.35	2.73	0.14	2.73
75.0	2.38	0.00	2.31	0.00	0.21	2.38	0.00	2.31
80.0	2.10	0.00	2.03	0.00	0.14	2.03	0.00	2.03
85.0	1.89	0.00	1.75	0.00	0.14	1.89	0.00	1.82
90.0	1.68	0.00	1.61	0.00	0.14	1.68	0.00	1.61
95.0	1.54	0.00	1.47	0.00	0.14	1.54	0.00	1.54
100.0	1.40	0.00	1.33	0.00	0.21	1.40	0.00	1.40
105.0	1.33	0.00	1.26	0.00	0.21	1.33	0.00	1.33
110.0	1.26	0.00	1.12	0.00	0.28	1.19	0.07	1.19
115.0	1.12	0.07	1.05	0.00	0.35	1.19	0.07	1.12
120.0	1.12	0.07	1.05	0.07	0.35	1.12	0.14	1.12
125.0	1.05	0.14	0.98	0.07	0.49	1.19	0.28	1.12
130.0	1.12	0.21	0.98	0.14	0.70	1.26	0.49	1.26
135.0	1.12	0.35	1.05	0.35	1.05	1.47	0.70	1.40
140.0	1.33	0.63	1.19	0.63	1.47	1.96	1.26	1.89
145.0	1.68	1.12	1.47	1.12	2.31	2.66	1.96	2.66
150.0	2.31	1.96	2.17	1.89	3.29	3.78	2.94	3.71
155.0	3.29	3.01	3.22	2.94	4.55	4.97	4.20	4.90
160.0	4.34	3.99	4.41	4.06	5.67	6.02	5.53	6.09
165.0	5.32	4.90	5.46	4.83	6.72	6.79	6.65	6.79
170.0	6.16	5.39	6.16	5.39	7.28	7.07	7.28	7.07
175.0	6.86	5.81	6.72	5.88	7.49	7.00	7.35	6.86
180.0	7.28	6.30	7.21	6.30	7.42	6.58	7.07	6.51

Test System:HOPOO
 Temperature:25.3DEG
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Remarks: SD-12-30K-SO-LV30-WH