

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

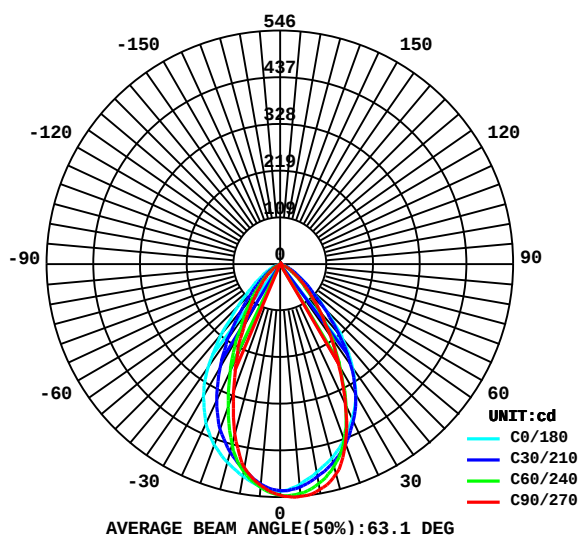
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

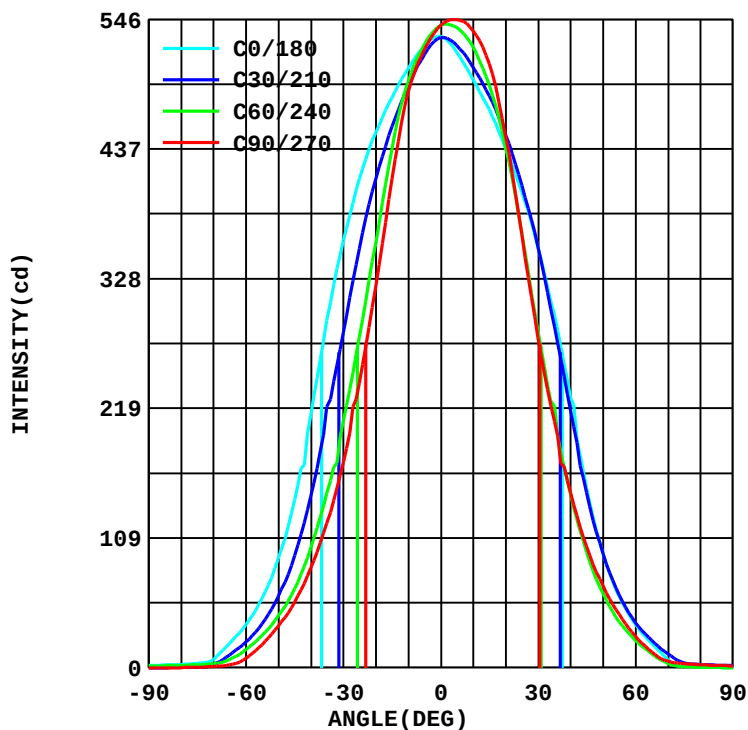
MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	546.4	S/MH(C0/180)	1.05
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.72
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	619.70	Voltage(V)	24.02
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	55.2	Current(A)	0.467
NOMINAL FLUX(lm)	619.7	η up(%)	1.1	Power (W)	11.22
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	568.9	EEI	0.230

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

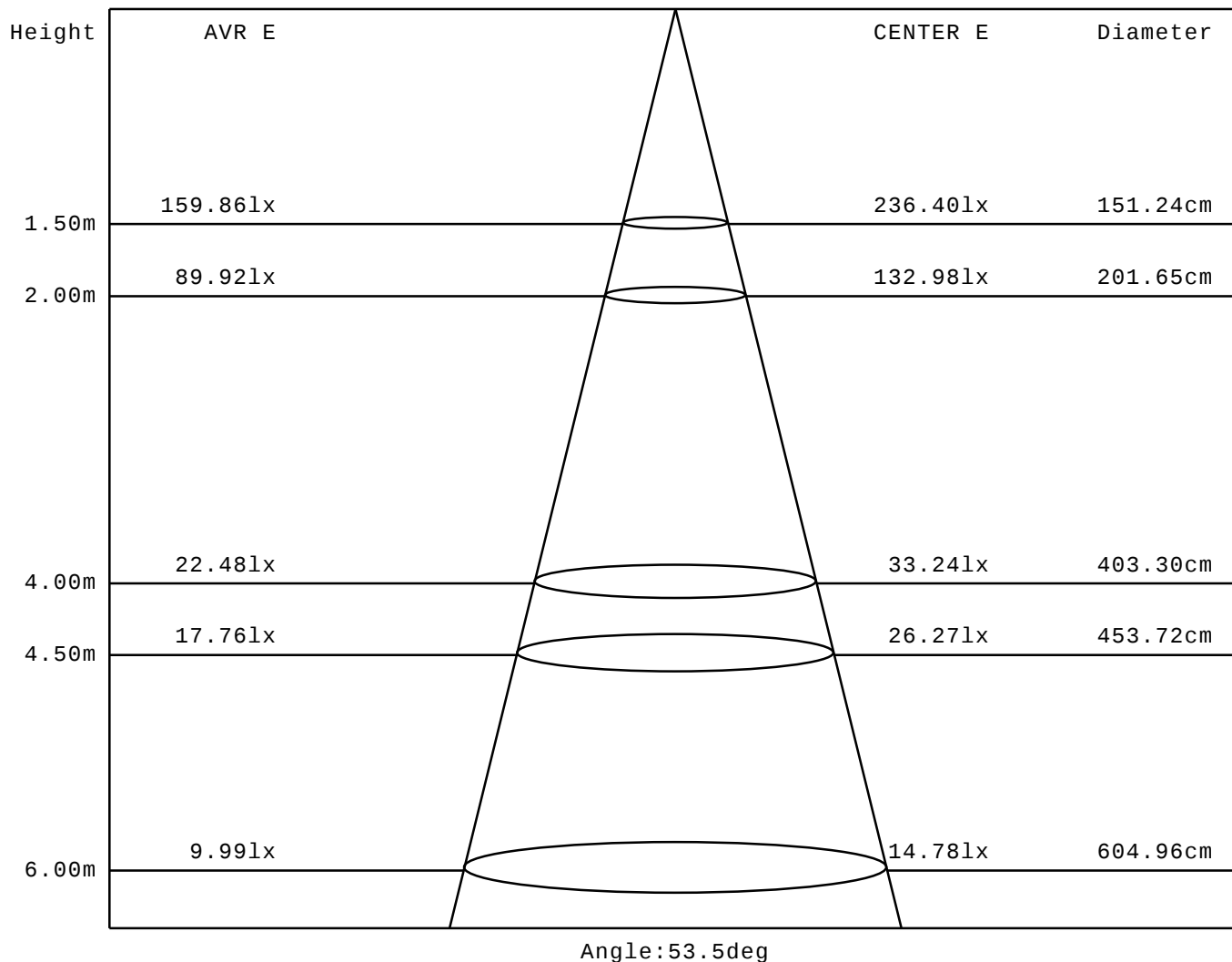
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:44%
 Test Distance:8.367 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-L-BK	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 21 IN	SERIAL No.:N/A



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

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-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	524.6	521.4	521.1	508.3	518.9	532.0	546.4	525.5	0- 5	12.63	12.63
10.0	504.5	491.4	484.6	477.1	495.5	514.3	536.5	510.6	5- 10	36.62	49.25
15.0	480.3	446.5	411.7	430.7	470.4	486.5	509.0	485.3	10- 15	57.24	106.5
20.0	451.1	385.2	322.1	368.7	438.2	444.2	448.9	445.9	15- 20	72.25	178.7
25.0	411.6	315.7	239.7	299.6	400.9	386.1	364.8	389.7	20- 25	79.83	258.5
30.0	360.1	245.1	173.0	232.8	354.7	319.3	278.2	322.3	25- 30	80.03	338.6
35.0	292.4	183.5	121.8	169.4	297.1	253.9	207.2	253.0	30- 35	73.73	412.3
40.0	212.3	122.3	83.72	117.6	227.1	181.2	147.3	183.0	35- 40	62.07	474.4
45.0	141.6	80.61	55.51	77.32	151.0	122.4	101.9	124.5	40- 45	47.85	522.3
50.0	91.42	51.45	34.86	49.31	95.69	79.03	69.02	80.82	45- 50	34.35	556.6
55.0	58.52	32.02	19.32	30.34	59.92	50.12	44.94	51.41	50- 55	23.54	580.1
60.0	36.40	18.44	7.910	17.18	36.75	30.69	26.60	31.43	55- 60	15.40	595.6
65.0	20.23	8.680	2.170	7.805	20.23	17.22	13.02	17.64	60- 65	9.158	604.7
70.0	6.720	3.010	0.910	2.800	6.930	7.560	5.460	7.735	65- 70	4.499	609.2
75.0	3.500	1.365	0.210	1.260	1.120	2.415	3.500	2.415	70- 75	1.647	610.9
80.0	2.660	1.015	0	0.980	0.490	1.435	2.450	1.435	75- 80	0.828	611.7
85.0	2.170	0.840	0	0.805	0.350	1.085	1.890	1.050	80- 85	0.611	612.3
90.0	1.820	0.700	0	0.700	0.210	0.910	1.610	0.910	85- 90	0.499	612.8
95.0	1.680	0.630	0	0.630	0.210	0.805	1.400	0.805	90- 95	0.439	613.2
100.0	1.540	0.595	0	0.595	0.280	0.770	1.330	0.735	95-100	0.399	613.6
105.0	1.470	0.595	0	0.560	0.350	0.735	1.190	0.700	100-105	0.372	614.0
110.0	1.400	0.595	0	0.560	0.490	0.735	1.190	0.700	105-110	0.357	614.4
115.0	1.400	0.665	0.070	0.595	0.630	0.770	1.120	0.735	110-115	0.355	614.7
120.0	1.470	0.665	0.140	0.665	0.840	0.840	1.050	0.770	115-120	0.363	615.1
125.0	1.540	0.770	0.280	0.735	1.050	0.945	1.120	0.875	120-125	0.384	615.5
130.0	1.610	0.945	0.350	0.875	1.260	1.085	1.190	1.015	125-130	0.414	615.9
135.0	1.750	1.050	0.560	1.050	1.540	1.295	1.330	1.225	130-135	0.445	616.3
140.0	1.890	1.225	0.770	1.225	1.750	1.470	1.470	1.400	135-140	0.472	616.8
145.0	2.100	1.435	0.980	1.470	2.030	1.680	1.680	1.575	140-145	0.494	617.3
150.0	2.240	1.645	1.260	1.645	2.240	1.925	1.960	1.785	145-150	0.499	617.8
155.0	2.450	1.890	1.540	1.890	2.450	2.135	2.100	1.995	150-155	0.485	618.3
160.0	2.590	2.065	1.820	2.065	2.660	2.345	2.380	2.170	155-160	0.447	618.7
165.0	2.800	2.275	2.100	2.240	2.800	2.450	2.660	2.310	160-165	0.384	619.1
170.0	2.940	2.450	2.380	2.415	2.940	2.590	2.800	2.485	165-170	0.297	619.4
175.0	3.010	2.625	2.590	2.555	3.080	2.695	2.870	2.590	170-175	0.189	619.6
180.0	3.080	2.695	2.730	2.590	3.150	2.695	2.870	2.660	175-180	0.065	619.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

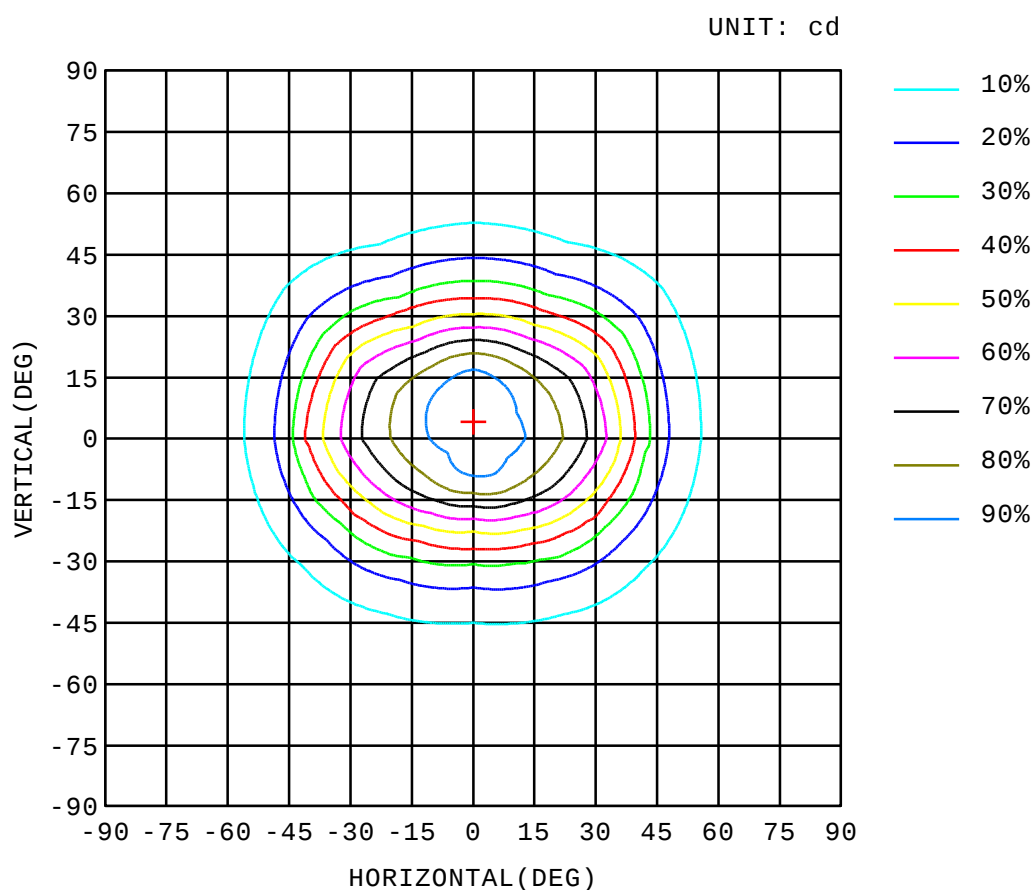
Test System:HOP00
Temperature:22DEG
Operators:
Test Date:04-05-2023

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-S0-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

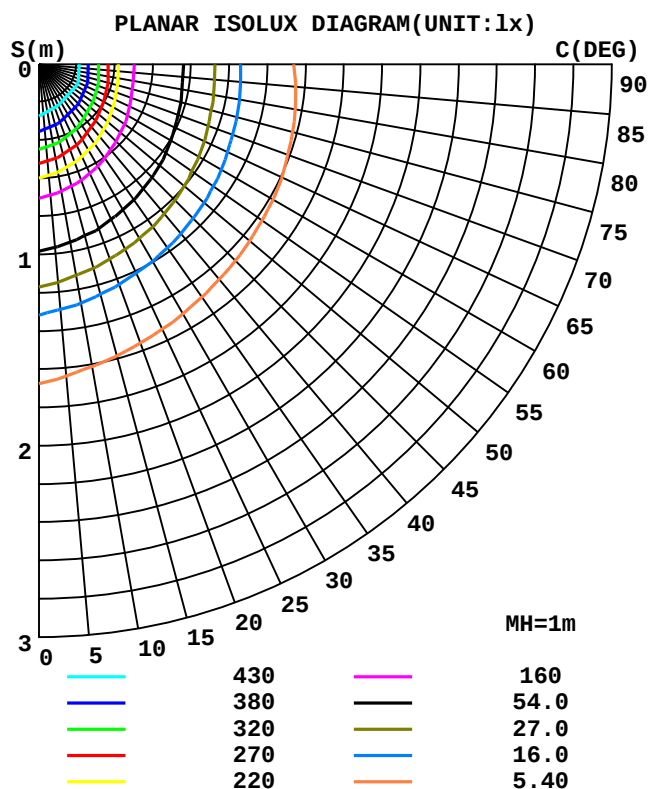
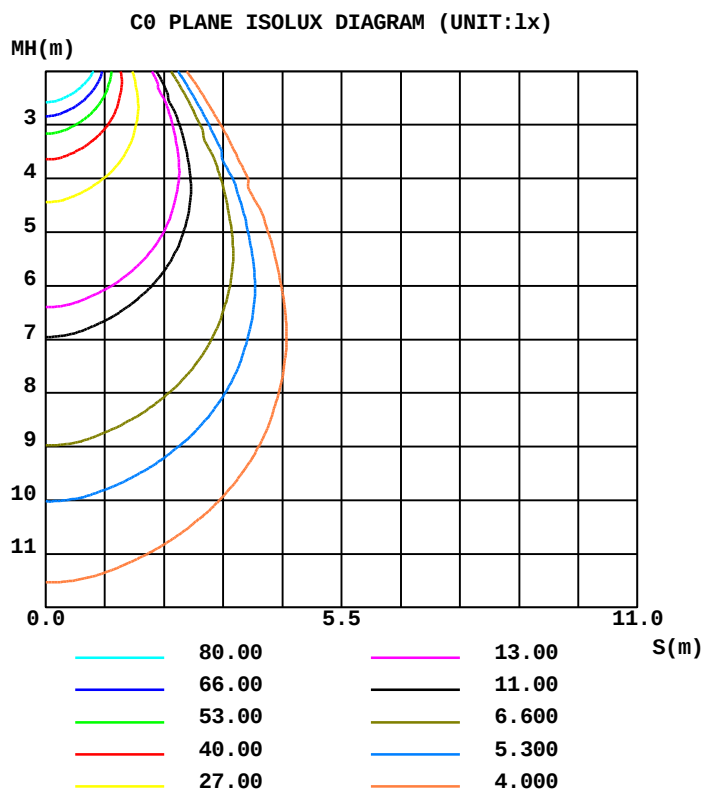
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SMA-48-30K-S0-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-S0-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	532	531	542	541	532	520	532	531	542	541	532	520
5.0	525	517	526	521	514	503	519	525	539	546	533	518
10.0	505	489	493	485	480	474	496	506	523	537	520	501
15.0	480	456	437	412	421	440	470	482	491	509	492	478
20.0	451	412	358	322	343	395	438	449	439	449	444	448
25.0	412	353	279	240	266	334	401	407	366	365	372	407
30.0	360	282	208	173	199	267	355	355	284	278	292	353
35.0	292	220	147	122	141	197	297	287	221	207	220	286
40.0	212	144	100	83.7	97.3	138	227	217	146	147	151	215
45.0	142	94.8	66.3	55.5	64.6	90.0	151	147	97.3	102	101	148
50.0	91.4	59.5	43.3	34.8	41.8	56.7	95.6	95.9	62.0	69.0	64.8	96.7
55.0	58.5	36.8	27.2	19.3	26.1	34.5	59.9	61.4	38.7	44.9	40.7	62.0
60.0	36.4	21.6	15.2	7.91	14.2	20.1	36.7	38.2	23.1	26.6	24.2	38.6
65.0	20.2	10.7	6.65	2.17	6.02	9.59	20.2	22.8	11.5	13.0	12.1	23.1
70.0	6.72	2.73	3.29	0.91	3.22	2.38	6.93	11.6	3.50	5.46	3.78	11.6
75.0	3.50	0.35	2.38	0.21	2.31	0.21	1.12	3.99	0.84	3.50	0.84	3.99
80.0	2.66	0.07	1.96	0.00	1.89	0.07	0.49	2.59	0.28	2.45	0.28	2.59
85.0	2.17	0.00	1.68	0.00	1.61	0.00	0.35	2.10	0.07	1.89	0.00	2.10
90.0	1.82	0.00	1.40	0.00	1.40	0.00	0.21	1.82	0.00	1.61	0.00	1.82
95.0	1.68	0.00	1.26	0.00	1.26	0.00	0.21	1.61	0.00	1.40	0.00	1.61
100.0	1.54	0.00	1.19	0.00	1.19	0.00	0.28	1.54	0.00	1.33	0.00	1.47
105.0	1.47	0.07	1.12	0.00	1.12	0.00	0.35	1.47	0.00	1.19	0.00	1.40
110.0	1.40	0.14	1.05	0.00	1.05	0.07	0.49	1.40	0.07	1.19	0.07	1.33
115.0	1.40	0.28	1.05	0.07	1.05	0.14	0.63	1.40	0.14	1.12	0.14	1.33
120.0	1.47	0.35	0.98	0.14	1.05	0.28	0.84	1.47	0.21	1.05	0.21	1.33
125.0	1.54	0.49	1.05	0.28	1.05	0.42	1.05	1.54	0.35	1.12	0.28	1.47
130.0	1.61	0.70	1.19	0.35	1.12	0.63	1.26	1.68	0.49	1.19	0.49	1.54
135.0	1.75	0.84	1.26	0.56	1.26	0.84	1.54	1.82	0.77	1.33	0.70	1.75
140.0	1.89	1.05	1.40	0.77	1.40	1.05	1.75	1.96	0.98	1.47	0.91	1.89
145.0	2.10	1.26	1.61	0.98	1.61	1.33	2.03	2.10	1.26	1.68	1.12	2.03
150.0	2.24	1.47	1.82	1.26	1.82	1.47	2.24	2.38	1.47	1.96	1.47	2.10
155.0	2.45	1.75	2.03	1.54	2.03	1.75	2.45	2.52	1.75	2.10	1.68	2.31
160.0	2.59	1.96	2.17	1.82	2.17	1.96	2.66	2.66	2.03	2.38	1.96	2.38
165.0	2.80	2.17	2.38	2.10	2.38	2.10	2.80	2.73	2.17	2.66	2.10	2.52
170.0	2.94	2.38	2.52	2.38	2.52	2.31	2.94	2.80	2.38	2.80	2.31	2.66
175.0	3.01	2.52	2.73	2.59	2.66	2.45	3.08	2.87	2.52	2.87	2.45	2.73
180.0	3.08	2.66	2.73	2.73	2.73	2.45	3.15	2.80	2.59	2.87	2.52	2.80

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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: