

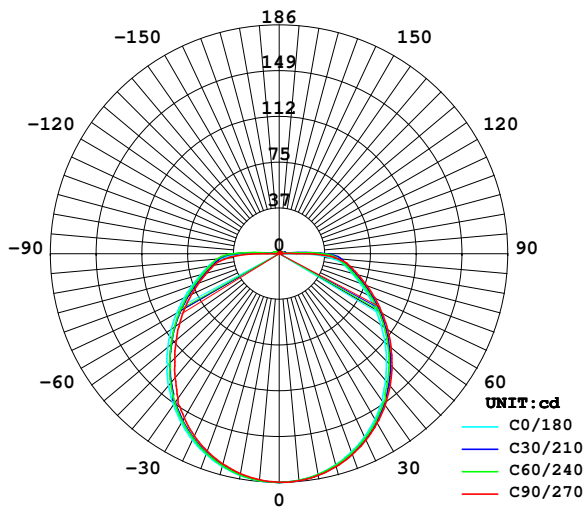
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

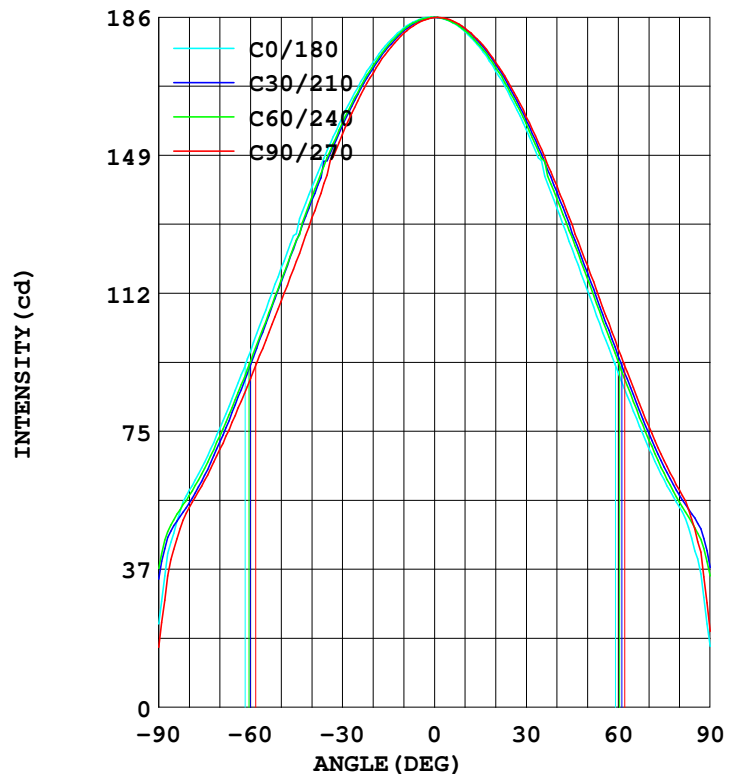
MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION:6000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	LED	Imax (cd)	186.4	S/MH (C0/180)	1.27
NOMINAL POWER (W)	10.2	EFFICIENCY (%)	64.3	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	109.6	TOTAL FLUX (lm)	643.04	Voltage (V)	109.5
NOMINAL FLUX (lm)	1000.0	EFFICIENCY (lm/W)	63.0	Current (A)	0.199
LAMPS QUANTITY	1	η up (%)	2.1	Power (W)	10.20
TEST VOLTAGE (V)	109.6	η down (%)	62.2	Power Factor (PF)	0.469

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



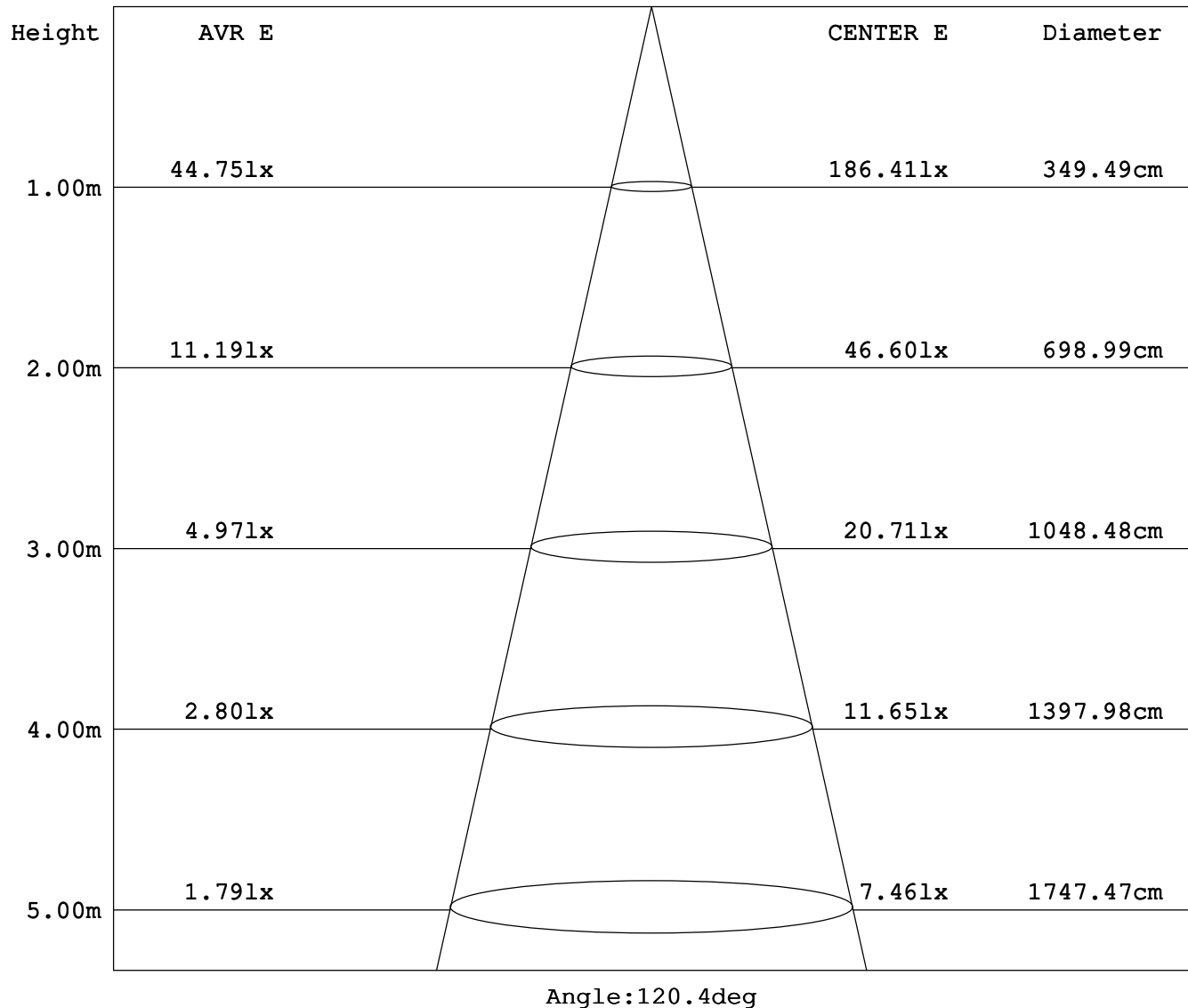
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:01-21-2014

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.800 m
Remarks:

AVERAGE E Figure

Report number:

MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION: 6000K	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:01-21-2014

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.800 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION: 6000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	185.8	185.4	185.0	185.2	185.3	185.5	185.7	185.6	0- 5	4.442	4.442
10.0	183.4	182.8	182.0	182.3	182.4	182.9	183.4	183.2	5- 10	13.15	17.59
15.0	179.5	178.5	177.4	177.8	178.0	178.9	179.6	179.2	10- 15	21.39	38.99
20.0	174.2	172.9	171.2	171.8	171.9	173.3	174.3	173.7	15- 20	28.88	67.87
25.0	167.3	165.8	163.7	164.3	164.5	166.2	167.6	166.9	20- 25	35.38	103.2
30.0	159.2	157.4	154.8	155.3	156.1	158.0	159.5	158.8	25- 30	40.70	143.9
35.0	150.3	148.0	143.7	144.5	147.5	148.8	150.7	149.9	30- 35	44.68	188.6
40.0	140.3	137.3	132.1	132.4	134.8	138.3	140.9	139.6	35- 40	47.10	235.7
45.0	127.9	126.0	120.4	120.9	123.8	127.3	130.3	129.1	40- 45	48.22	283.9
50.0	118.5	114.9	109.5	110.4	112.4	116.4	119.2	117.9	45- 50	48.20	332.1
55.0	107.3	103.9	99.10	100.1	101.2	105.2	107.9	106.6	50- 55	47.12	379.3
60.0	96.18	92.96	88.82	90.01	90.52	94.24	96.85	95.67	55- 60	45.06	424.3
65.0	85.66	82.43	78.84	80.30	79.94	83.50	86.33	84.99	60- 65	42.21	466.6
70.0	75.38	72.52	69.72	71.15	70.02	73.22	75.98	74.71	65- 70	38.83	505.4
75.0	66.13	63.51	61.26	62.81	61.50	64.09	66.61	65.58	70- 75	35.22	540.6
80.0	58.58	56.15	53.90	55.88	54.08	56.33	58.64	57.73	75- 80	31.76	572.4
85.0	46.96	49.85	42.64	49.76	42.22	49.76	48.12	51.01	80- 85	28.22	600.6
90.0	22.51	36.04	16.24	35.28	16.48	36.59	20.56	39.42	85- 90	21.68	622.3
95.0	2.068	7.331	0.730	6.692	0.730	8.578	1.886	11.07	90- 95	8.502	630.8
100.0	2.068	2.768	0.973	2.829	0.973	2.585	1.946	2.433	95-100	1.252	632.0
105.0	2.068	4.106	1.095	4.137	1.034	3.802	1.946	3.680	100-105	1.513	633.6
110.0	2.068	4.106	1.155	4.076	1.216	3.863	1.946	3.893	105-110	1.706	635.3
115.0	2.007	2.950	1.155	2.859	1.277	2.859	2.007	2.920	110-115	1.404	636.7
120.0	2.007	2.281	1.155	2.190	1.338	2.220	1.886	2.220	115-120	1.051	637.7
125.0	1.946	2.068	1.216	2.007	1.338	2.007	1.825	2.007	120-125	0.887	638.6
130.0	1.886	1.916	1.277	1.886	1.338	1.855	1.825	1.855	125-130	0.790	639.4
135.0	1.886	1.764	1.277	1.733	1.399	1.733	1.764	1.703	130-135	0.696	640.1
140.0	1.825	1.673	1.338	1.642	1.399	1.642	1.764	1.612	135-140	0.612	640.7
145.0	1.825	1.581	1.338	1.612	1.399	1.581	1.764	1.521	140-145	0.534	641.2
150.0	1.703	1.581	1.338	1.581	1.399	1.551	1.703	1.521	145-150	0.461	641.7
155.0	1.703	1.551	1.338	1.551	1.460	1.521	1.703	1.521	150-155	0.392	642.1
160.0	1.703	1.521	1.399	1.521	1.521	1.521	1.703	1.490	155-160	0.322	642.4
165.0	1.703	1.490	1.399	1.490	1.521	1.521	1.703	1.490	160-165	0.252	642.7
170.0	1.703	1.521	1.460	1.490	1.581	1.490	1.642	1.490	165-170	0.182	642.8
175.0	1.703	1.490	1.460	1.521	1.581	1.490	1.703	1.521	170-175	0.110	643.0
180.0	1.703	1.551	1.521	1.521	1.703	1.551	1.642	1.551	175-180	0.037	643.0
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

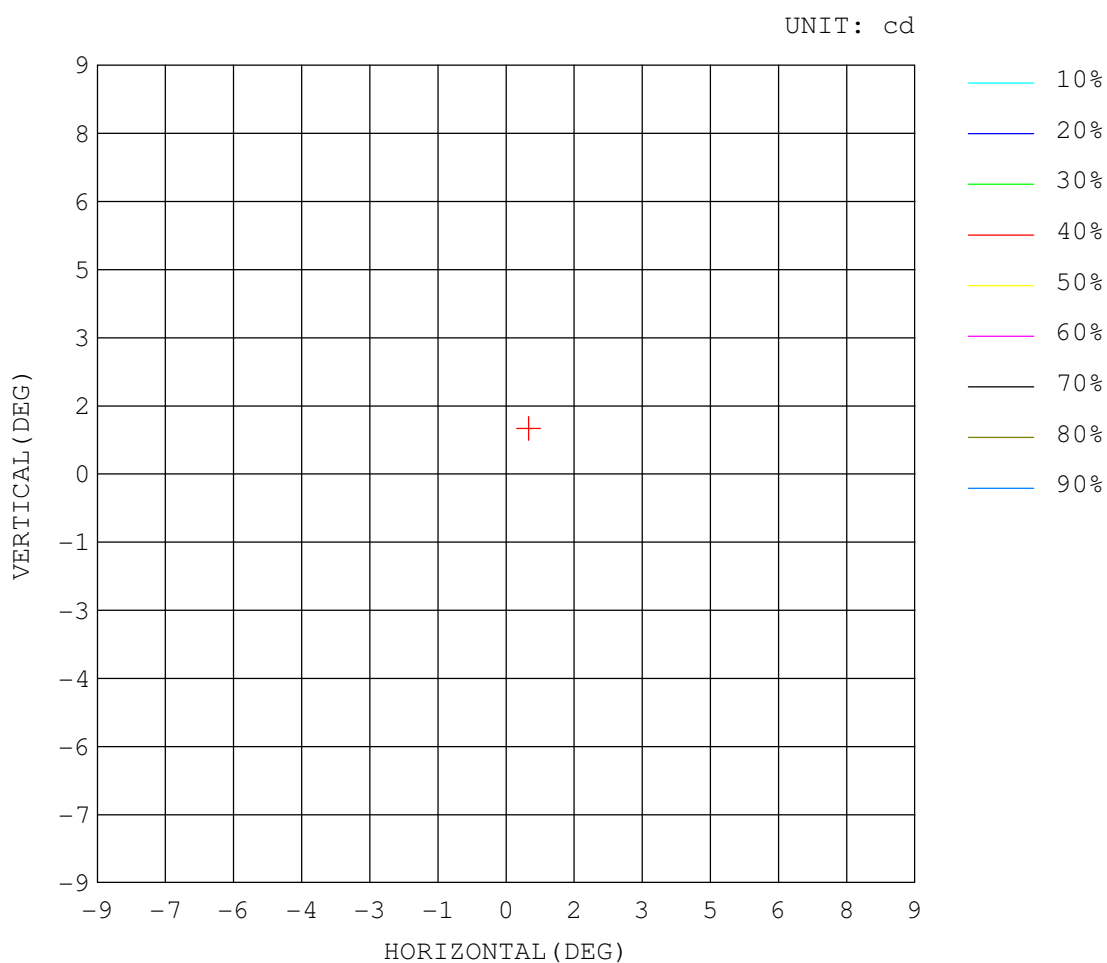
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:01-21-2014

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.800 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION: 6000K	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:01-21-2014

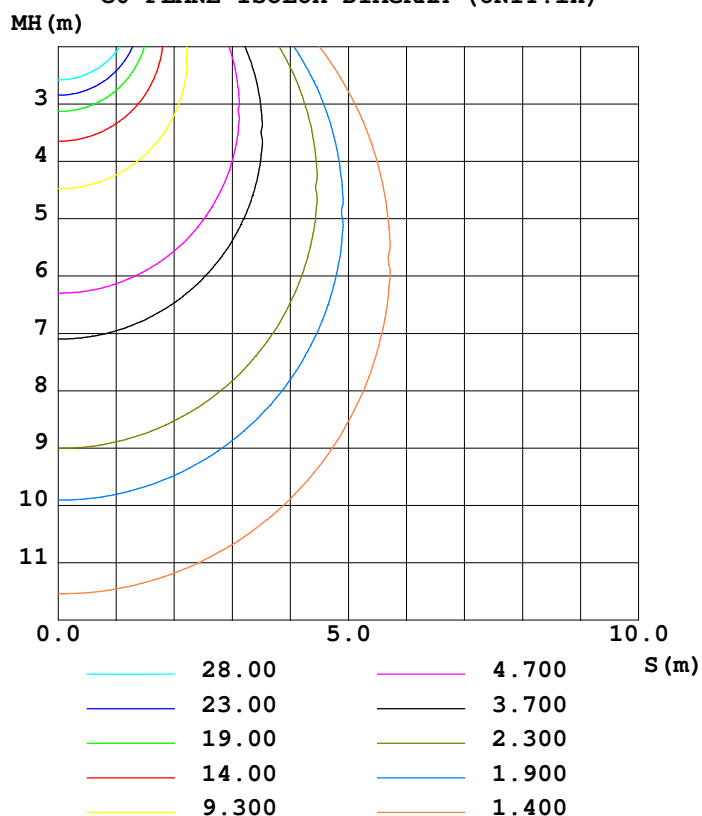
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.800 m
Remarks:

ISOLUX DIAGRAM

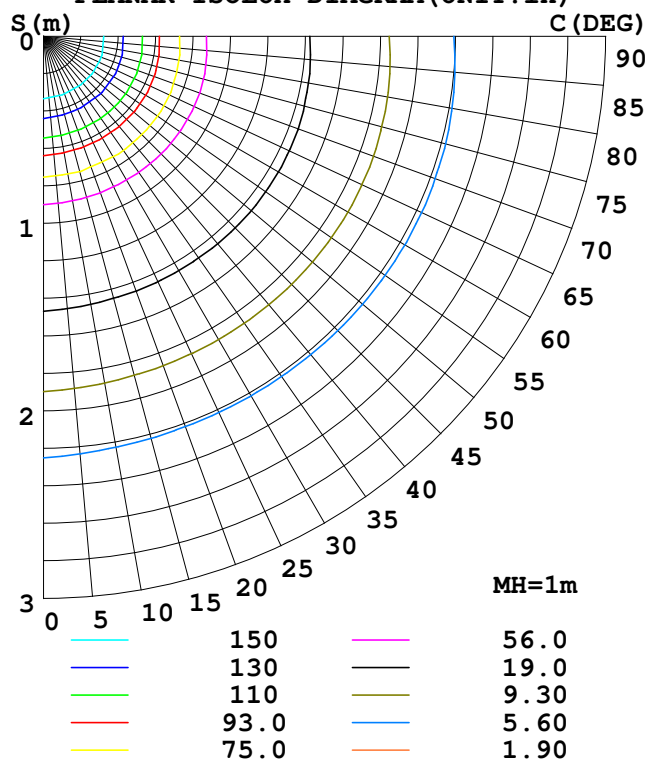
Report number:

MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION: 6000K	DIMENSION:	SERIAL No.:

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PLANAR ISOLUX DIAGRAM (UNIT:lx)



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:01-21-2014

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.800 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: 6''	TYPE:10W	WEIGHT:
SPECIFICATION: 6000K	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	186	186	186	186	186	186	186	186	186	186	186	186
5.0	186	185	186	185	186	185	185	186	185	186	186	186
10.0	183	183	183	182	183	182	182	183	183	183	183	184
15.0	180	178	179	177	178	177	178	179	179	180	179	180
20.0	174	173	173	171	172	171	172	174	173	174	173	174
25.0	167	166	166	164	165	164	165	167	166	168	166	168
30.0	159	157	158	155	156	155	156	159	158	160	158	160
35.0	150	148	149	144	146	144	148	149	148	151	149	151
40.0	140	137	138	132	133	132	135	139	137	141	138	141
45.0	128	126	126	120	121	120	124	128	127	130	128	131
50.0	119	115	115	110	111	109	112	117	116	119	117	119
55.0	107	104	104	99.1	101	99.0	101	106	104	108	105	108
60.0	96.1	92.5	93.3	88.8	91.2	88.7	90.5	94.9	93.5	96.8	94.3	97.0
65.0	85.6	81.7	83.1	78.8	81.7	78.8	79.9	84.4	82.5	86.3	83.5	86.4
70.0	75.3	71.7	73.3	69.7	72.5	69.7	70.0	74.1	72.2	75.9	73.2	76.1
75.0	66.1	62.6	64.4	61.2	64.2	61.3	61.5	64.9	63.2	66.6	64.2	66.9
80.0	58.5	55.1	57.1	53.9	57.3	54.4	54.0	57.3	55.3	58.6	56.2	59.1
85.0	46.9	49.0	50.6	42.6	50.7	48.7	42.2	51.1	48.4	48.1	49.1	52.8
90.0	22.5	34.6	37.4	16.2	36.2	34.3	16.4	37.7	35.4	20.5	37.6	41.1
95.0	2.06	6.32	8.33	0.73	8.63	4.74	0.73	9.97	7.17	1.88	10.2	11.9
100.0	2.06	2.31	3.22	0.97	3.28	2.37	0.97	3.28	1.88	1.94	1.70	3.16
105.0	2.06	3.71	4.50	1.09	4.50	3.77	1.03	4.50	3.10	1.94	2.92	4.44
110.0	2.06	3.58	4.62	1.15	4.56	3.58	1.21	4.38	3.34	1.94	3.28	4.50
115.0	2.00	2.43	3.46	1.15	3.28	2.43	1.27	3.28	2.43	2.00	2.49	3.34
120.0	2.00	1.82	2.73	1.15	2.55	1.82	1.33	2.61	1.82	1.88	1.82	2.61
125.0	1.94	1.64	2.49	1.21	2.31	1.70	1.33	2.37	1.64	1.82	1.64	2.37
130.0	1.88	1.58	2.25	1.27	2.25	1.52	1.33	2.19	1.52	1.82	1.52	2.19
135.0	1.88	1.46	2.06	1.27	2.06	1.39	1.39	2.00	1.46	1.76	1.39	2.00
140.0	1.82	1.39	1.94	1.33	1.94	1.33	1.39	1.94	1.33	1.76	1.33	1.88
145.0	1.82	1.27	1.88	1.33	1.88	1.33	1.39	1.88	1.27	1.76	1.27	1.76
150.0	1.70	1.33	1.82	1.33	1.82	1.33	1.39	1.82	1.27	1.70	1.27	1.76
155.0	1.70	1.33	1.76	1.33	1.76	1.33	1.46	1.76	1.27	1.70	1.33	1.70
160.0	1.70	1.33	1.70	1.39	1.70	1.33	1.52	1.70	1.33	1.70	1.33	1.64
165.0	1.70	1.33	1.64	1.39	1.64	1.33	1.52	1.70	1.33	1.70	1.33	1.64
170.0	1.70	1.33	1.70	1.46	1.64	1.33	1.58	1.64	1.33	1.64	1.33	1.64
175.0	1.70	1.33	1.64	1.46	1.64	1.39	1.58	1.64	1.33	1.70	1.39	1.64
180.0	1.70	1.46	1.64	1.52	1.64	1.39	1.70	1.64	1.46	1.64	1.46	1.64

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:01-21-2014

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.800 m
 Remarks: