

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

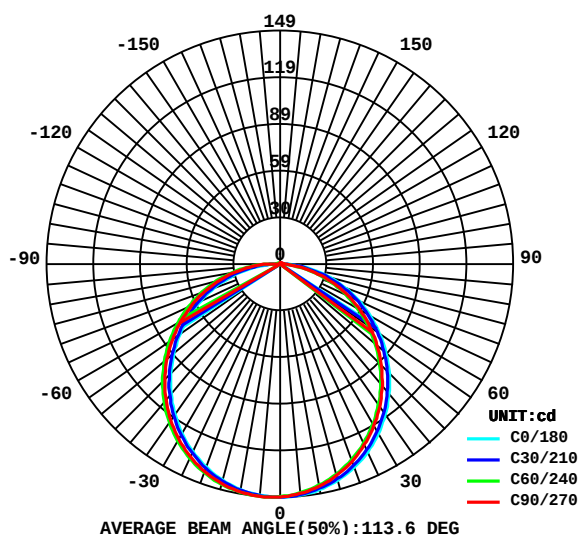
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

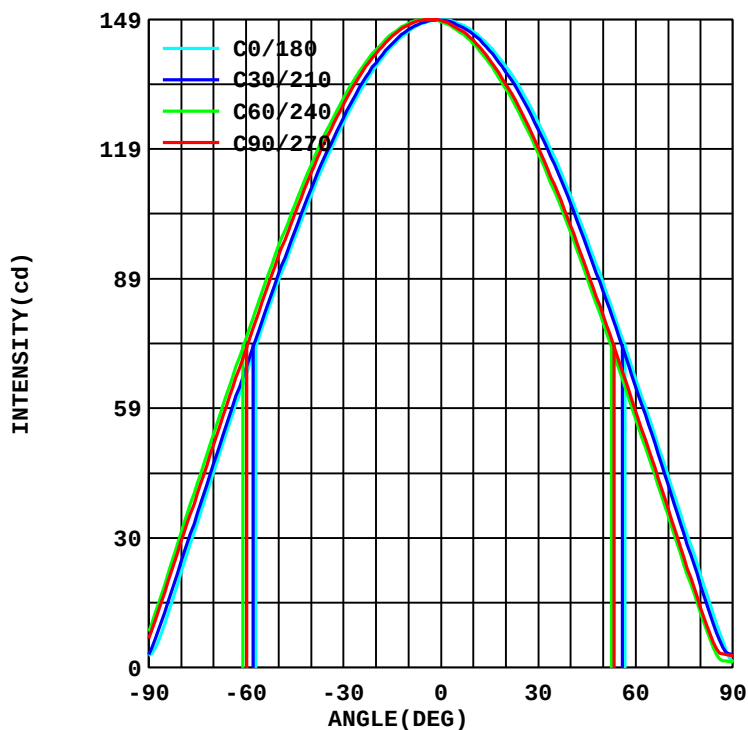
MANUFACTURER:	Address:		
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A	
SPECIFICATION:	DIMENSION: 24.9"x 0.62"x0.62"	SERIAL No.:N/A	

DATA OF LAMP		I _{max} (cd)	148.6	S/MH(C0/180)	1.25
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	441.76	Voltage(V)	24.03
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	60.4	Current(A)	0.303
NOMINAL FLUX(lm)	441.8	η up(%)	1.7	Power(W)	7.310
LAMPS QUANTITY	1	η down(%)	98.3	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	428.8	EEI	0.186

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00
Temperature:25.3DEG
Operators:
Test Date:07-21-2022

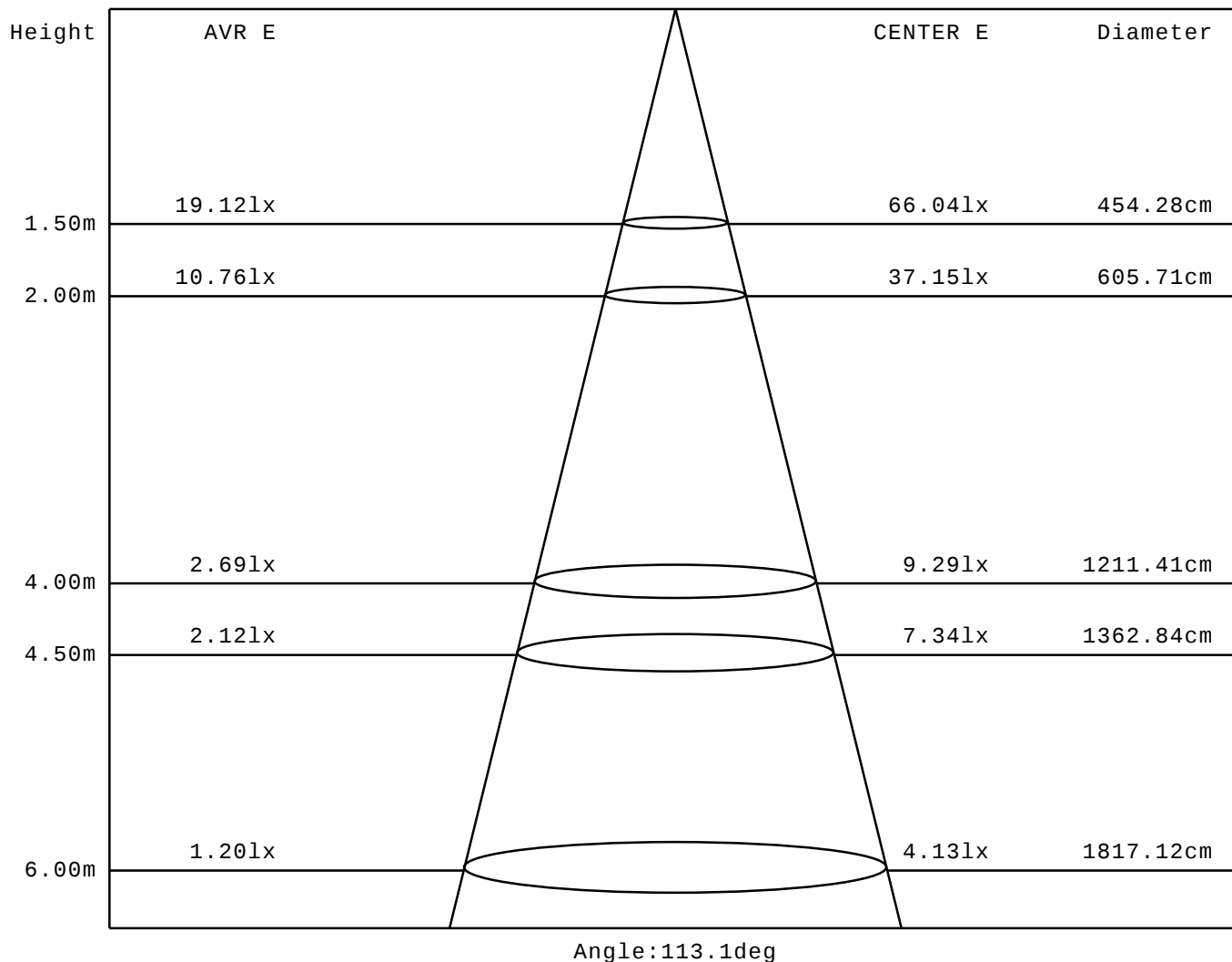
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.368 m
Remarks: 24 Volts 10 Sections

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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Report number:

MANUFACTURER:	Address:	
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION:	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	147.8	148.3	148.5	147.9	147.8	146.8	146.6	146.7	0- 5	3.537	3.537
10.0	145.8	146.9	147.3	146.5	145.8	144.1	143.8	144.0	5- 10	10.48	14.02
15.0	142.4	144.1	144.7	143.8	142.5	140.1	139.4	140.0	10- 15	17.06	31.08
20.0	137.8	140.1	140.7	139.7	138.0	134.8	133.9	134.8	15- 20	23.04	54.12
25.0	131.9	134.8	135.5	134.4	132.1	128.2	127.0	128.3	20- 25	28.21	82.34
30.0	124.9	128.3	129.1	127.9	125.1	120.7	119.3	120.8	25- 30	32.40	114.7
35.0	116.9	120.7	121.5	120.3	117.0	112.3	110.7	112.4	30- 35	35.49	150.2
40.0	108.0	112.2	113.1	111.7	108.1	103.1	101.3	103.2	35- 40	37.39	187.6
45.0	98.59	103.0	103.9	102.5	98.52	93.23	91.38	93.51	40- 45	38.08	225.7
50.0	88.50	93.23	94.11	92.64	88.08	82.66	80.73	83.04	45- 50	37.56	263.2
55.0	78.00	82.83	83.81	82.17	77.44	71.94	70.02	72.40	50- 55	35.91	299.2
60.0	67.01	72.08	72.96	71.38	66.59	60.95	59.09	61.51	55- 60	33.24	332.4
65.0	55.94	61.16	62.11	60.46	55.45	49.89	47.96	50.55	60- 65	29.63	362.0
70.0	44.67	50.10	51.04	49.26	44.18	38.65	36.76	39.38	65- 70	25.23	387.3
75.0	33.26	38.86	39.98	38.05	32.70	27.20	25.27	27.97	70- 75	20.16	407.4
80.0	21.63	27.44	28.77	26.67	21.21	15.68	13.79	16.59	75- 80	14.55	422.0
85.0	10.08	15.86	17.29	15.05	10.01	5.566	4.271	6.267	80- 85	8.673	430.7
90.0	2.660	5.671	6.722	5.041	1.190	2.170	2.730	2.380	85- 90	3.665	434.3
95.0	1.400	2.205	0.980	2.030	0	1.925	2.380	2.100	90- 95	1.281	435.6
100.0	1.190	1.960	0.840	1.750	0	1.715	2.170	1.960	95-100	0.907	436.5
105.0	1.120	1.680	0.700	1.505	0.070	1.505	1.890	1.715	100-105	0.796	437.3
110.0	1.050	1.505	0.700	1.295	0.140	1.330	1.750	1.435	105-110	0.681	438.0
115.0	0.980	1.400	0.700	1.190	0.210	1.225	1.680	1.330	110-115	0.606	438.6
120.0	0.910	1.190	0.630	1.085	0.350	1.120	1.610	1.155	115-120	0.538	439.1
125.0	0.910	1.050	0.630	1.015	0.350	1.085	1.470	1.015	120-125	0.467	439.6
130.0	0.910	0.980	0.630	0.945	0.420	0.980	1.400	0.945	125-130	0.413	440.0
135.0	0.910	0.875	0.630	0.910	0.420	0.875	1.260	0.840	130-135	0.357	440.4
140.0	0.840	0.735	0.560	0.770	0.560	0.805	1.190	0.770	135-140	0.306	440.7
145.0	0.840	0.700	0.560	0.735	0.560	0.735	1.120	0.735	140-145	0.254	440.9
150.0	0.840	0.700	0.490	0.700	0.560	0.700	1.050	0.665	145-150	0.214	441.1
155.0	0.910	0.595	0.490	0.665	0.630	0.700	1.050	0.665	150-155	0.178	441.3
160.0	0.840	0.595	0.490	0.630	0.630	0.630	0.910	0.665	155-160	0.141	441.5
165.0	0.840	0.595	0.420	0.595	0.770	0.630	0.910	0.630	160-165	0.108	441.6
170.0	0.840	0.630	0.560	0.630	0.770	0.630	0.840	0.630	165-170	0.078	441.6
175.0	0.840	0.630	0.560	0.595	0.770	0.630	0.840	0.665	170-175	0.048	441.7
180.0	0.770	0.700	0.630	0.665	0.910	0.630	0.770	0.595	175-180	0.016	441.7
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

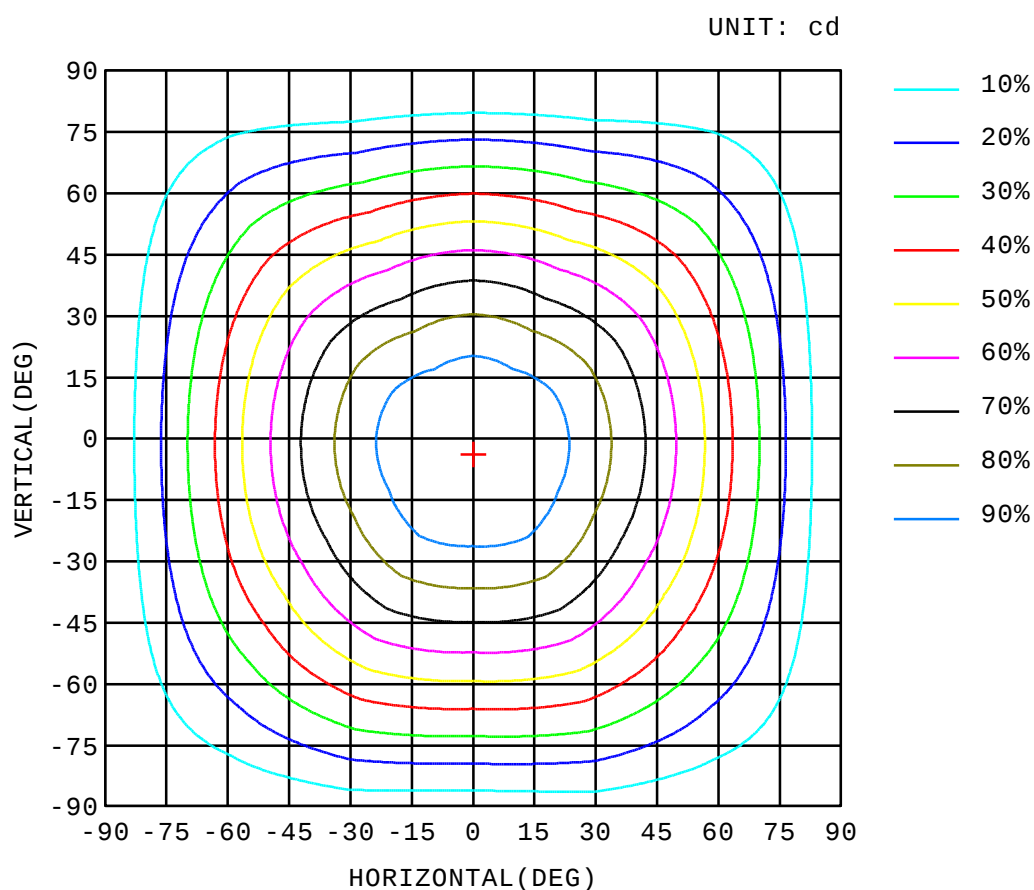
Test System:HOP00
Temperature:25.3DEG
Operators:
Test Date:07-21-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.368 m
Remarks: 24 Volts 10 Sections

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION:	SERIAL No.:N/A



Test System:HOP00
Temperature:25.3DEG
Operators:
Test Date:07-21-2022

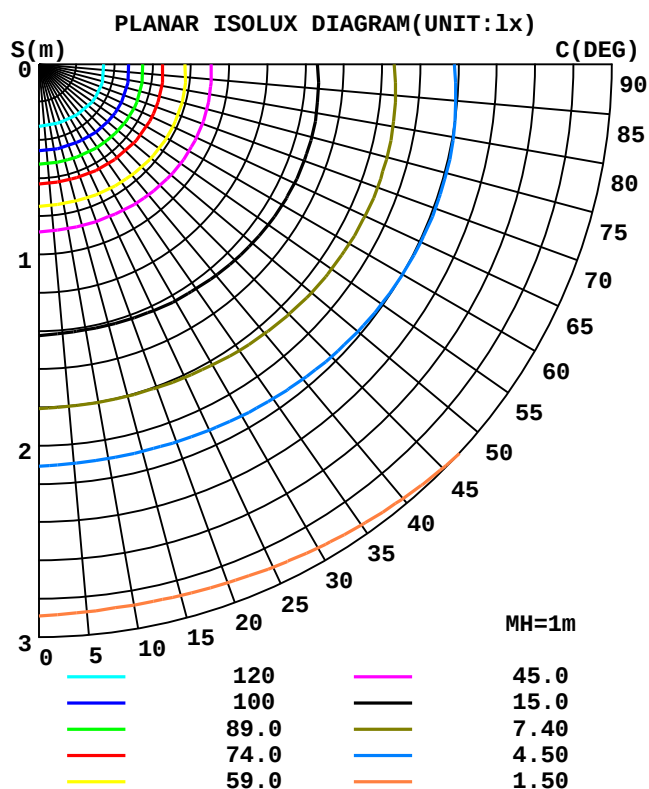
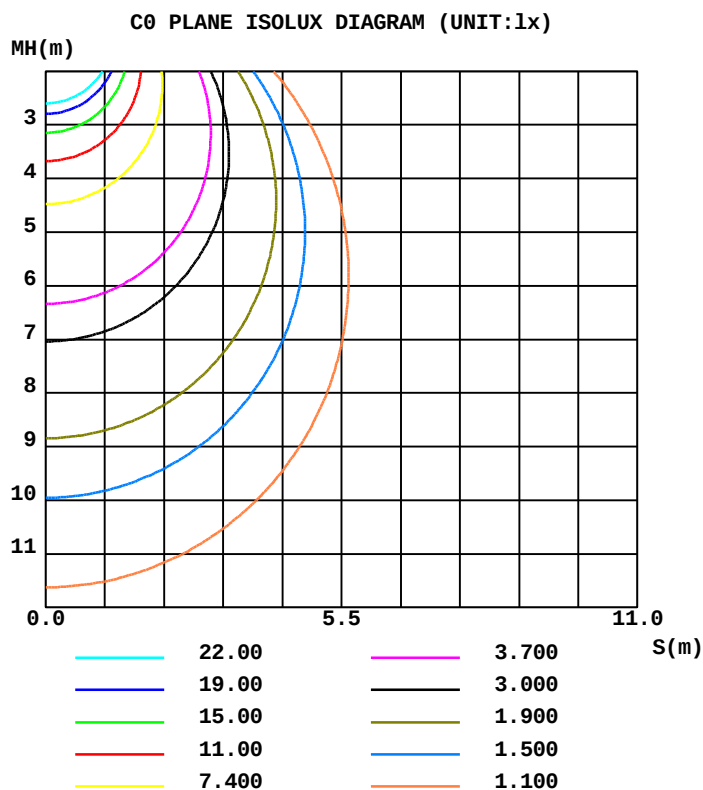
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ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION:	SERIAL No.:N/A



Test System:HOP00
 Temperature:25.3DEG
 Operators:
 Test Date:07-21-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.368 m
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: KBL-SF-V-WD18K30K-24V	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION:	SERIAL No.:N/A

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	149	148	148	148	148	148	149	148	148	148	148	148
5.0	148	148	149	149	148	148	148	147	146	147	146	147
10.0	146	146	148	147	147	146	146	145	143	144	143	145
15.0	142	143	145	145	145	143	143	142	139	139	139	141
20.0	138	139	142	141	141	138	138	137	133	134	133	137
25.0	132	133	137	136	136	133	132	131	126	127	126	131
30.0	125	126	131	129	130	126	125	124	118	119	118	123
35.0	117	118	123	122	123	118	117	115	109	111	110	115
40.0	108	110	115	113	115	109	108	106	99.8	101	100	106
45.0	98.5	100	106	104	106	99.5	98.5	96.7	89.7	91.3	90.1	96.8
50.0	88.5	90.0	96.4	94.1	95.8	89.4	88.0	86.2	79.0	80.7	79.5	86.5
55.0	78.0	79.4	86.2	83.8	85.6	78.7	77.4	75.6	68.2	70.0	68.8	75.9
60.0	67.0	68.6	75.4	72.9	74.7	67.9	66.5	64.6	57.2	59.0	57.8	65.1
65.0	55.9	57.7	64.5	62.1	63.9	56.9	55.4	53.5	46.2	47.9	46.9	54.1
70.0	44.6	46.7	53.4	51.0	52.7	45.7	44.1	42.2	35.0	36.7	35.7	42.9
75.0	33.2	35.4	42.2	39.9	41.5	34.5	32.7	30.8	23.5	25.2	24.3	31.5
80.0	21.6	24.0	30.8	28.7	30.1	23.2	21.2	18.8	12.5	13.7	13.3	19.8
85.0	10.0	12.6	19.0	17.2	18.2	11.8	10.0	8.05	3.08	4.27	3.64	8.89
90.0	2.66	3.08	8.26	6.72	7.56	2.52	1.19	3.01	1.33	2.73	1.40	3.36
95.0	1.40	1.40	3.01	0.98	2.94	1.12	0.00	2.66	1.19	2.38	1.26	2.94
100.0	1.19	1.26	2.66	0.84	2.59	0.91	0.00	2.31	1.12	2.17	1.19	2.73
105.0	1.12	1.19	2.17	0.70	2.17	0.84	0.07	2.10	0.91	1.89	0.98	2.45
110.0	1.05	1.12	1.89	0.70	1.89	0.70	0.14	1.89	0.77	1.75	0.77	2.10
115.0	0.98	0.91	1.89	0.70	1.82	0.56	0.21	1.68	0.77	1.68	0.91	1.75
120.0	0.91	0.63	1.75	0.63	1.61	0.56	0.35	1.47	0.77	1.61	0.91	1.40
125.0	0.91	0.56	1.54	0.63	1.47	0.56	0.35	1.40	0.77	1.47	0.77	1.26
130.0	0.91	0.49	1.47	0.63	1.40	0.49	0.42	1.26	0.70	1.40	0.70	1.19
135.0	0.91	0.42	1.33	0.63	1.33	0.49	0.42	1.12	0.63	1.26	0.63	1.05
140.0	0.84	0.28	1.19	0.56	1.19	0.35	0.56	0.98	0.63	1.19	0.56	0.98
145.0	0.84	0.35	1.05	0.56	1.12	0.35	0.56	0.91	0.56	1.12	0.56	0.91
150.0	0.84	0.35	1.05	0.49	1.05	0.35	0.56	0.91	0.49	1.05	0.49	0.84
155.0	0.91	0.35	0.84	0.49	0.91	0.42	0.63	0.91	0.49	1.05	0.49	0.84
160.0	0.84	0.35	0.84	0.49	0.84	0.42	0.63	0.84	0.42	0.91	0.49	0.84
165.0	0.84	0.42	0.77	0.42	0.77	0.42	0.77	0.77	0.49	0.91	0.49	0.77
170.0	0.84	0.49	0.77	0.56	0.77	0.49	0.77	0.84	0.42	0.84	0.49	0.77
175.0	0.84	0.49	0.77	0.56	0.70	0.49	0.77	0.77	0.49	0.84	0.56	0.77
180.0	0.77	0.63	0.77	0.63	0.77	0.56	0.91	0.77	0.49	0.77	0.49	0.70

Test System:HOP00
Temperature:25.3DEG
Operators:
Test Date:07-21-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
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Remarks: 24 Volts 10 Sections