

STREETLIGHT PHOTOMETRIC TEST REPORT

MANUFACTURER: HONGPU

NAME: 大功率LED路灯

TYPE: 飞翼灯

WEIGHT: 7.5KG

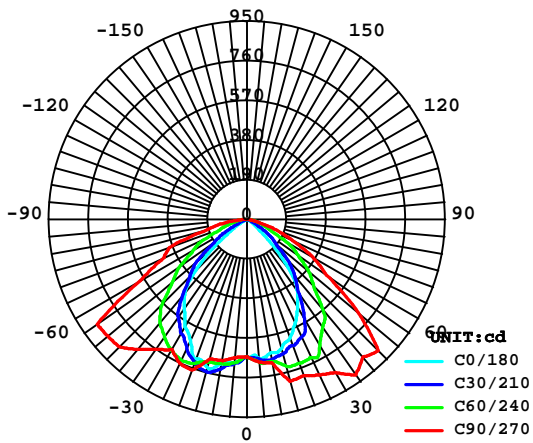
DIMENSION:

SPECIFICATION: DY-AL-W030-SERIAL No.:

TEST DATA:

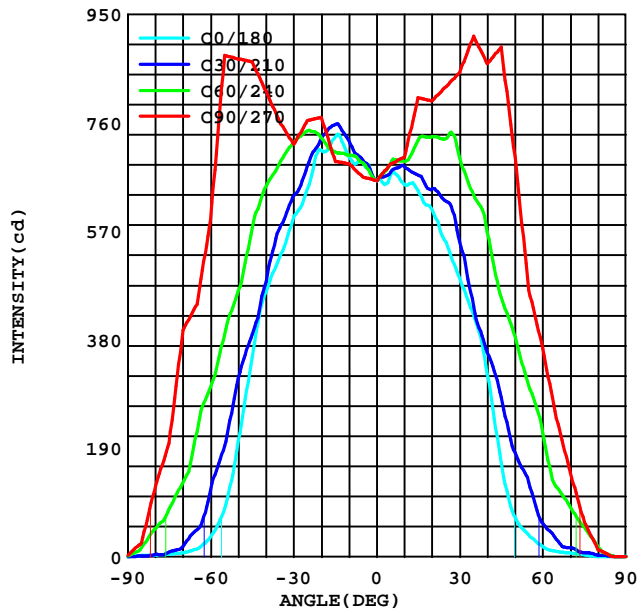
MODEL:	1W LED	I _{max} (cd):	979.3	h street_up(%):	0.0
NOMINAL POWER(W):	35	MAXIMUM @(C,g):	275,45.0	h street_down(%):	44.5
RATED VOLTAGE(V):	24	TOTAL FLUX(lm):	1767	h house_up(%):	0.0
NOMINAL FLUX(lm):	2192.0	EFFICIENCY(%):	80.6	h house_down(%):	36.1
TEST FLUX(lm):	1792	h up(%):	0.0		
LAMPS INSIDE:	1	h down(%):	80.6		

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

LUMINOUS INTENSITY DISTRIBUTION



Test:U:24.50V I:1.450A P:35.00W PF:1.000

Test System:HONGPU HPG1900 SYSTEM
Temperature:25.3DEG

Operators:HP

Test Date:2010年05月26日

Test Set: HIGH B-Beta (TYPE B)

Humidity:65.0%

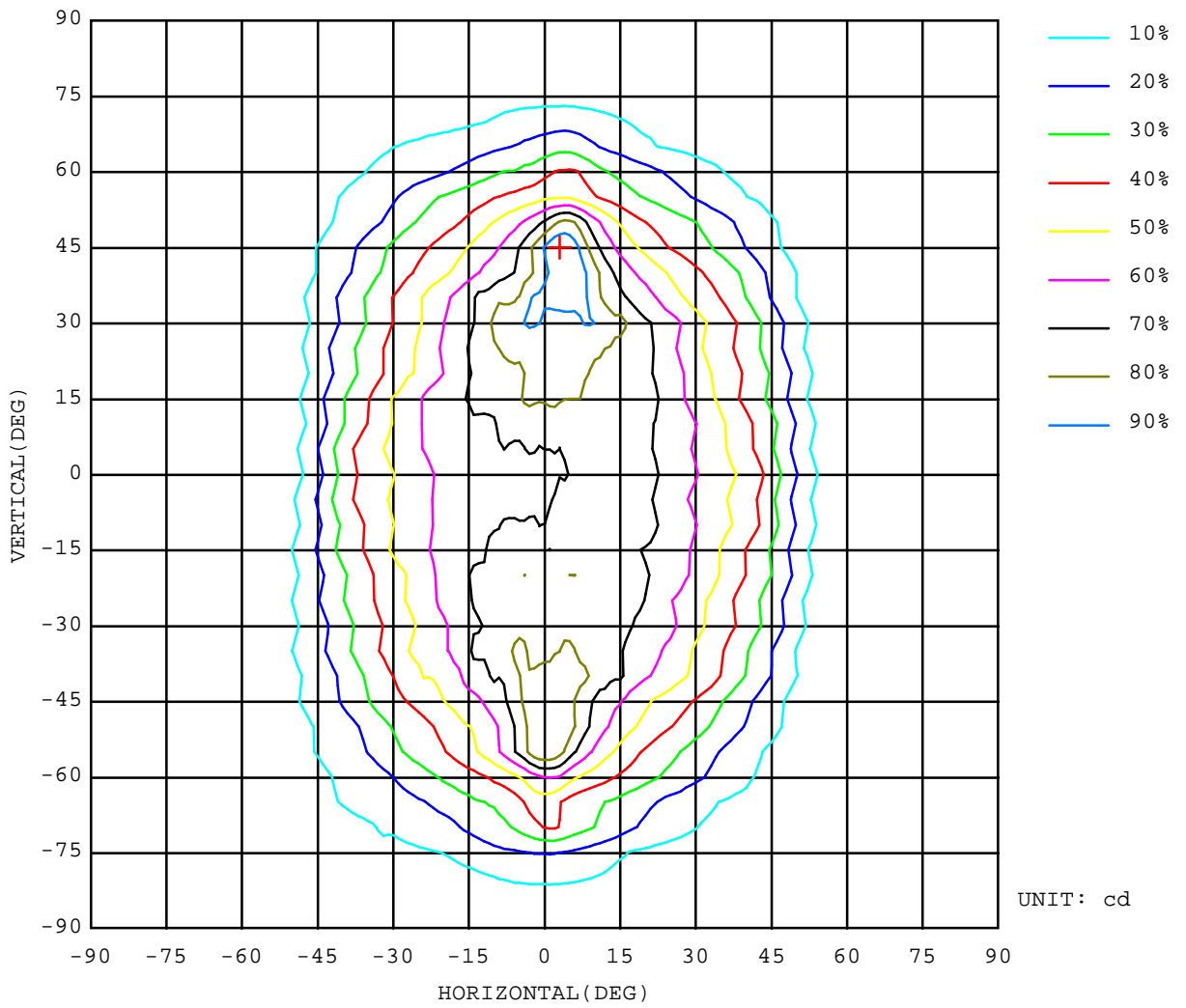
Test Distance:10.000 m

Remarks:

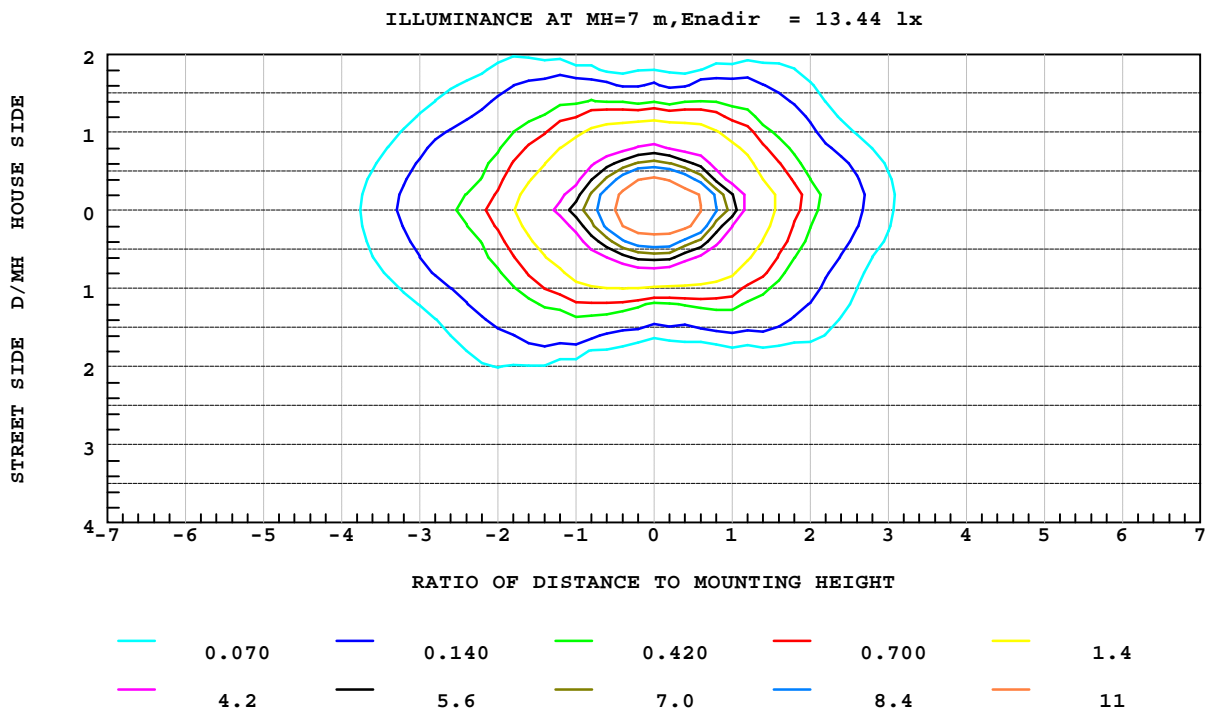
ZONAL FLUX DIAGRAM

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total
5.0	689.5	693.1	664.5	656.1	668.1	679.3	687.5	687.6	0- 5	16.07	16.07
10.0	700.9	711.1	688.0	681.5	651.1	690.9	699.4	708.0	5- 10	49.23	65.30
15.0	735.7	734.4	692.3	680.1	641.3	680.5	803.4	716.2	10- 15	83.77	149.0
20.0	711.4	723.3	769.5	663.9	607.3	727.4	798.0	737.0	15- 20	117.7	266.8
25.0	644.0	718.0	763.6	642.5	550.2	655.7	822.9	740.7	20- 25	148.1	414.9
30.0	595.2	678.7	721.6	604.3	488.2	583.4	847.7	704.6	25- 30	171.8	586.8
35.0	524.7	613.4	760.9	543.0	422.9	519.0	911.0	629.5	30- 35	188.5	775.3
40.0	464.9	569.2	814.5	466.4	320.3	439.3	863.3	576.6	35- 40	194.3	969.7
45.0	349.0	477.6	866.4	441.4	164.9	392.5	892.2	450.4	40- 45	188.3	1158
50.0	201.6	431.4	871.4	349.1	68.47	290.5	698.7	376.2	45- 50	169.5	1328
55.0	84.36	292.4	877.5	280.0	38.09	222.7	466.7	260.3	50- 55	141.2	1469
60.0	35.18	213.2	591.1	180.7	18.42	138.6	365.0	180.5	55- 60	108.3	1577
65.0	14.14	125.4	441.9	134.7	9.534	92.59	242.0	94.25	60- 65	76.63	1654
70.0	7.415	82.09	396.9	97.00	6.772	41.65	147.1	57.24	65- 70	52.03	1706
75.0	4.842	45.18	199.0	52.88	3.594	16.77	61.17	20.94	70- 75	33.96	1740
80.0	3.102	12.37	123.9	26.81	1.097	7.067	13.12	3.568	75- 80	17.93	1758
85.0	2.270	4.463	24.51	7.354	0.870	1.606	0.870	0.683	80- 85	7.706	1765
90.0	0	0.984	3.253	1.967	1.210	0.265	0.378	0.341	85- 90	1.786	1767
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

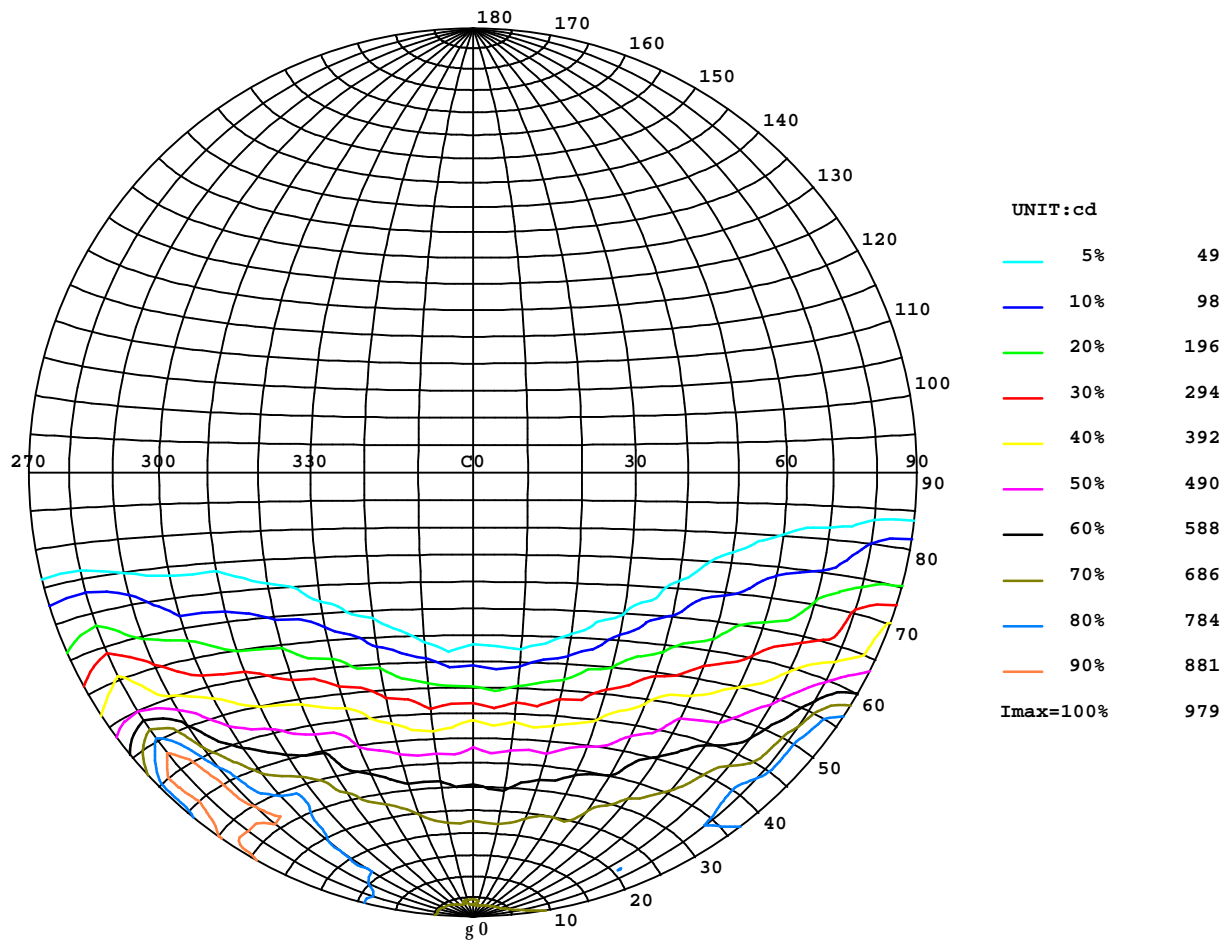
ISOCANDELA DIAGRAM



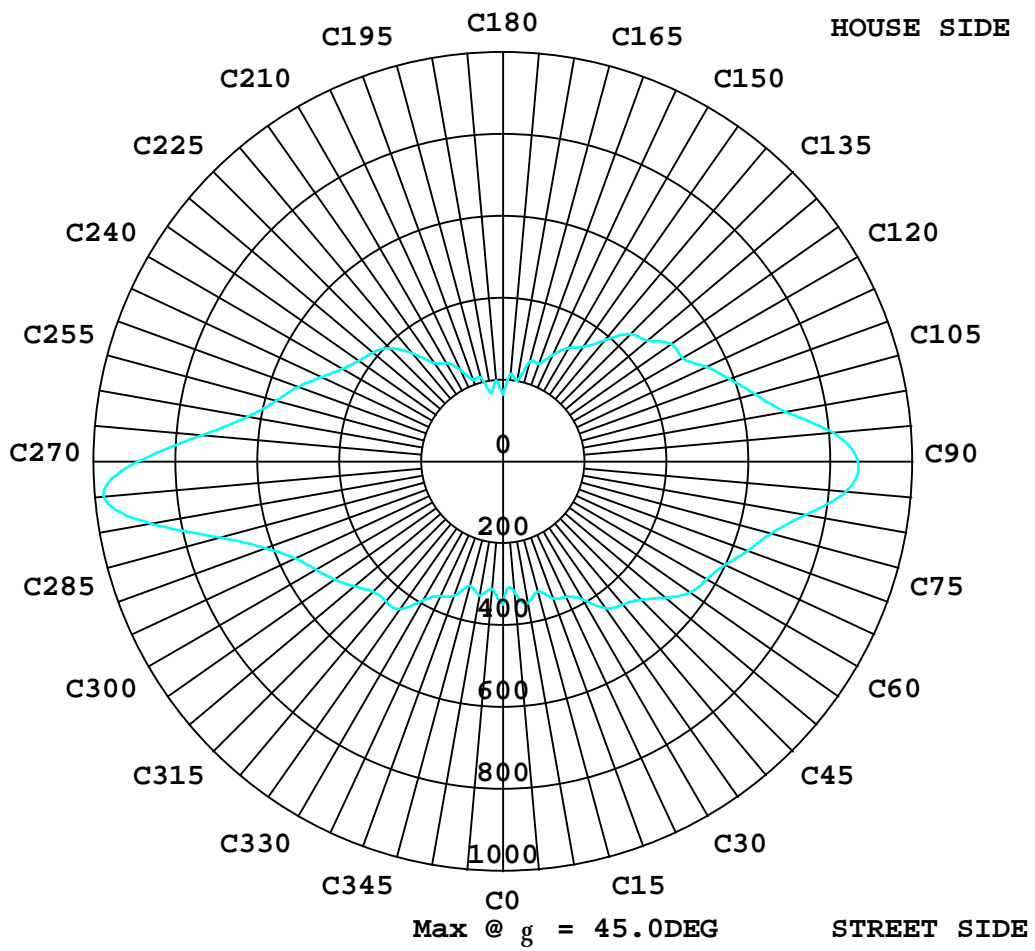
ISOLUX DIAGRAM



ISOCANDELA DIAGRAM



ISOCANDELA DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

γ (DEG)	C (DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	659	659	659	659	659	659	659	659	659	659	659	659	659	659	659
5.0	690	691	692	693	693	694	694	694	694	693	691	690	689	690	687
10.0	701	708	714	720	724	727	729	722	716	711	708	706	703	702	704
15.0	736	741	747	754	760	759	757	754	746	734	721	714	709	707	705
20.0	711	710	710	714	721	727	733	728	726	723	736	746	734	731	759
25.0	644	637	633	645	664	680	684	680	694	718	747	729	746	743	749
30.0	595	583	581	599	611	615	632	657	672	679	700	710	725	746	761
35.0	525	514	521	539	540	563	576	580	589	613	655	670	690	716	730
40.0	465	447	455	448	442	467	482	496	525	569	593	629	649	683	721
45.0	349	318	352	329	356	365	389	438	456	478	518	558	575	599	637
50.0	202	175	207	222	253	271	312	329	378	431	435	445	465	508	557
55.0	84.3	76.3	79.5	114	120	174	194	251	274	292	336	365	389	422	469
60.0	35.1	34.1	32.2	34.4	56.5	68.5	117	135	177	213	233	256	298	334	379
65.0	14.1	14.1	16.0	17.6	18.7	32.4	47.4	81.1	99.9	125	159	195	219	240	268
70.0	7.41	5.41	5.94	6.05	9.12	15.6	18.7	33.1	62.2	82.0	91.1	105	131	155	200
75.0	4.84	3.97	3.95	3.45	5.11	5.89	8.25	8.83	20.5	45.1	66.8	73.9	83.2	91.2	102
80.0	3.10	2.03	1.76	1.88	2.56	2.83	4.22	4.67	6.45	12.3	25.5	40.9	49.7	57.3	62.0
85.0	2.27	1.05	1.22	1.60	1.04	1.46	1.97	2.14	2.77	4.46	8.17	12.9	16.0	17.0	20.8
90.0	0.00	0.53	0.57	0.49	0.61	0.61	0.64	0.79	0.91	0.98	1.09	1.21	1.47	1.77	1.92

LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	659	659	659	659	659	659	659	659	659	659	659	659	659	659	659
5.0	684	679	672	665	663	662	663	664	664	663	661	658	656	655	655
10.0	706	706	699	688	687	694	696	692	686	684	684	683	682	676	671
15.0	710	704	689	692	696	699	706	709	700	696	693	689	680	670	664
20.0	775	760	779	770	764	779	754	722	716	710	697	677	664	651	639
25.0	761	776	756	764	742	764	740	730	715	705	699	667	643	624	616
30.0	760	750	742	722	745	729	730	713	703	681	647	623	604	574	560
35.0	749	790	782	761	756	812	721	707	692	622	590	570	543	514	483
40.0	754	835	833	815	798	740	700	664	630	586	573	532	466	439	423
45.0	679	751	841	866	810	701	639	589	549	506	503	460	441	388	343
50.0	623	726	854	871	773	638	556	511	474	440	413	387	349	320	285
55.0	532	629	777	878	752	610	516	454	400	359	330	308	280	231	185
60.0	424	473	549	591	508	441	397	364	330	303	274	228	181	156	139
65.0	300	322	371	442	384	323	299	269	240	214	179	151	135	116	74.3
70.0	251	300	362	397	325	269	232	188	157	138	124	114	97.0	60.4	37.3
75.0	128	161	189	199	190	176	142	114	102	95.4	88.8	77.4	52.8	31.3	18.9
80.0	70.3	98.3	119	124	119	98.3	80.3	73.4	68.1	64.3	58.7	45.9	26.8	14.8	9.86
85.0	21.5	23.2	24.0	24.5	24.3	23.3	23.3	23.5	23.7	23.7	21.7	13.8	7.35	5.17	3.48
90.0	2.30	2.49	2.83	3.25	3.63	4.19	4.91	5.37	5.56	5.06	3.44	2.45	1.96	1.70	1.66

LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

C(DEG) γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	659	659	659	659	659	659	659	659	659	659	659	659	659	659	659
5.0	658	661	663	665	666	667	668	669	670	671	671	672	672	673	676
10.0	666	663	659	656	654	652	651	656	661	666	671	676	682	690	693
15.0	661	658	656	650	646	643	641	646	651	660	670	669	669	669	672
20.0	629	621	615	611	609	608	607	619	630	637	636	640	644	656	678
25.0	602	586	573	566	562	555	550	565	582	592	603	609	623	642	642
30.0	558	539	513	503	502	496	488	508	523	524	528	554	552	548	550
35.0	465	467	454	435	436	436	423	443	439	425	439	450	439	459	482
40.0	393	364	364	346	337	350	320	345	323	323	334	326	358	391	411
45.0	321	289	255	253	200	216	165	199	170	213	213	247	279	295	347
50.0	223	198	155	131	101	92.9	68.4	83.0	79.9	99.5	119	158	182	236	263
55.0	165	114	91.6	55.2	52.3	46.2	38.0	42.7	44.1	42.9	66.4	82.2	130	148	182
60.0	93.9	71.9	41.2	35.0	26.6	21.2	18.4	20.1	23.5	28.6	29.8	49.0	58.5	99.7	120
65.0	52.0	30.5	23.2	13.6	10.2	9.95	9.53	9.69	9.27	10.4	16.6	20.7	30.3	35.9	64.8
70.0	23.2	14.5	13.0	11.1	8.78	8.36	6.77	8.43	8.25	9.03	10.1	10.2	15.8	19.3	23.2
75.0	12.4	10.2	7.69	8.26	5.58	4.85	3.59	4.63	5.44	6.46	6.14	6.92	7.66	11.3	13.2
80.0	6.52	5.91	4.69	4.38	3.82	2.39	1.09	2.75	3.85	3.87	3.54	4.02	3.30	3.98	5.59
85.0	2.28	2.29	2.25	1.25	1.25	1.72	0.87	1.84	1.25	0.99	1.25	1.39	1.33	1.42	1.37
90.0	1.28	1.05	0.91	0.79	0.64	0.61	1.21	0.26	0.26	0.26	0.30	0.26	0.23	0.26	0.26

LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

γ (DEG)	C (DEG)														
	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	659	659	659	659	659	659	659	659	659	659	659	659	659	659	659
5.0	679	684	687	688	689	688	686	684	686	688	687	687	687	688	688
10.0	691	691	691	692	700	710	713	708	704	699	700	694	690	691	698
15.0	681	699	721	729	733	749	795	808	800	803	823	809	781	773	767
20.0	727	719	719	735	752	762	772	796	824	798	791	788	794	807	778
25.0	656	674	699	732	761	785	799	811	827	823	836	817	820	808	786
30.0	583	621	658	699	735	797	812	836	893	848	846	849	869	859	818
35.0	519	555	604	633	681	733	783	785	879	911	919	909	878	811	770
40.0	439	490	546	569	599	636	658	690	759	863	924	922	833	729	668
45.0	393	415	431	454	490	534	575	634	742	892	979	874	718	619	561
50.0	291	333	366	385	409	440	486	538	603	699	808	728	593	505	450
55.0	223	244	271	300	328	354	381	409	432	467	482	446	403	367	342
60.0	139	159	187	217	231	247	270	298	319	365	404	362	302	272	244
65.0	92.5	107	115	123	136	147	168	188	210	242	266	224	186	163	145
70.0	41.6	69.8	82.0	87.1	90.0	91.6	96.3	113	137	147	155	141	118	90.8	76.0
75.0	16.7	25.2	42.0	51.5	56.5	57.8	59.4	58.8	58.7	61.1	60.3	55.7	47.0	39.2	35.5
80.0	7.06	8.97	13.6	18.0	19.4	17.7	15.7	14.2	13.5	13.1	13.1	13.2	12.8	10.9	10.0
85.0	1.60	1.74	1.91	2.08	2.08	1.67	1.32	1.09	0.95	0.87	0.80	0.82	0.93	1.06	1.11
90.0	0.26	0.34	0.26	0.38	0.42	0.42	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.30

LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

γ (DEG)	C (DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	659	659	659	659	659	659	659	659	659	659	659	659
5.0	687	687	687	688	688	688	689	690	690	690	690	690
10.0	708	711	711	708	704	700	699	699	700	701	701	702
15.0	751	731	722	716	718	726	728	720	714	718	723	729
20.0	757	752	748	737	729	721	708	702	700	698	702	707
25.0	773	759	776	741	726	723	699	682	669	656	644	643
30.0	778	748	717	705	671	664	631	611	612	603	587	587
35.0	748	713	679	630	595	570	553	526	523	538	519	514
40.0	632	605	583	577	533	485	463	448	419	422	432	433
45.0	529	502	475	450	446	440	392	363	349	314	332	312
50.0	411	389	381	376	356	323	313	269	245	215	204	175
55.0	328	318	292	260	249	232	185	175	124	113	74.9	71.3
60.0	218	192	186	181	152	120	111	73.4	62.7	36.2	29.5	30.9
65.0	131	118	106	94.2	87.4	75.0	48.2	34.6	22.7	20.2	16.6	14.3
70.0	71.1	67.1	64.5	57.2	47.9	25.4	15.4	14.0	9.26	5.94	5.52	5.68
75.0	33.1	35.5	29.0	20.9	10.9	6.52	6.21	4.63	4.66	3.29	3.47	3.94
80.0	8.10	6.80	5.71	3.56	2.52	2.47	2.47	1.94	2.02	1.61	1.69	1.91
85.0	1.25	1.01	0.75	0.68	0.64	0.60	0.57	0.53	0.60	0.99	1.02	1.15
90.0	0.38	0.34	0.38	0.34	0.23	0.26	0.30	0.30	0.34	0.26	0.34	0.30