

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

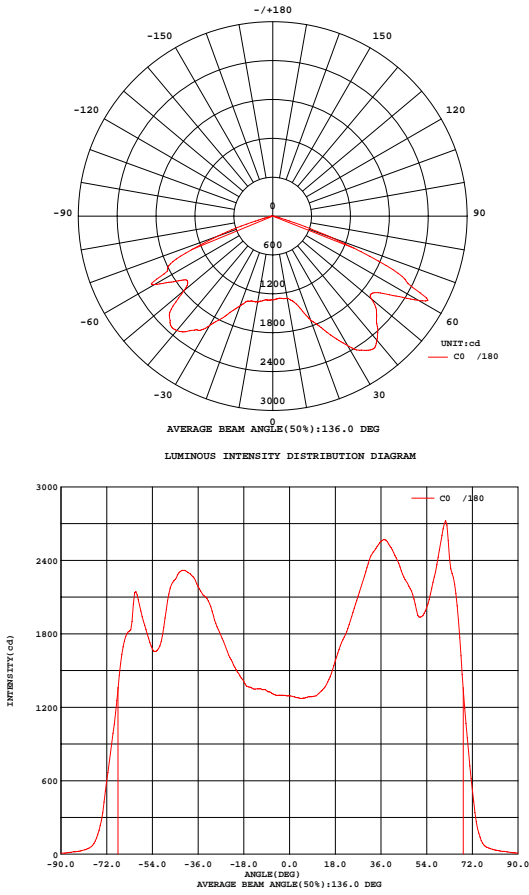


Fig. C0/C180

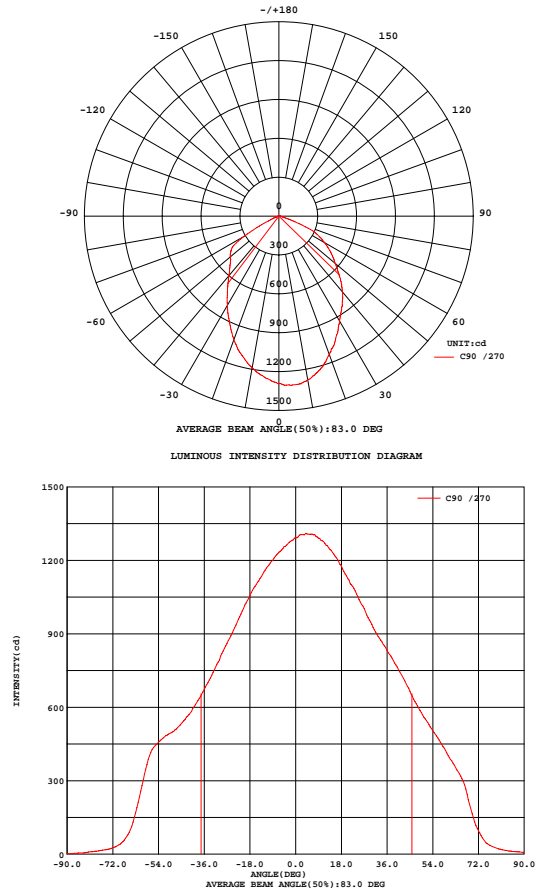


Fig. C90/C270

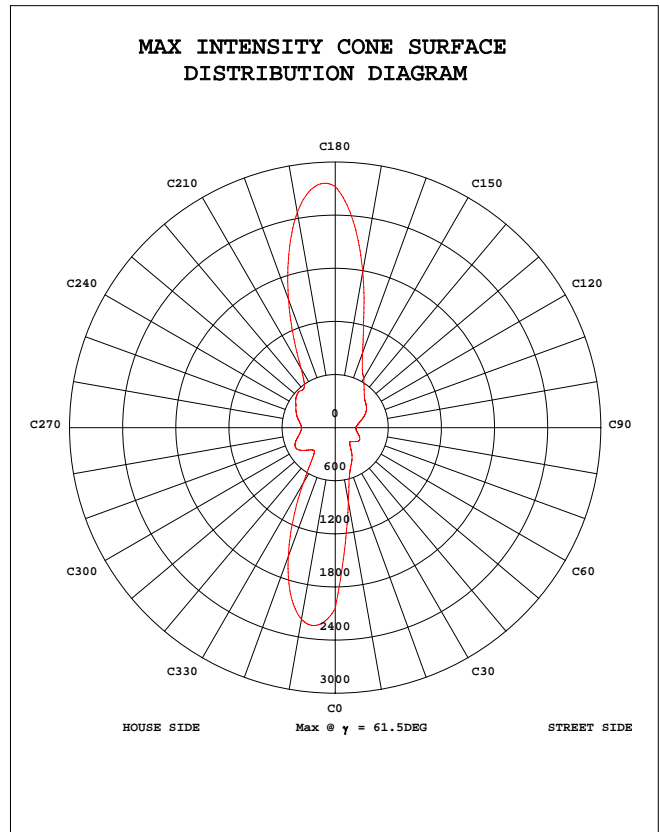
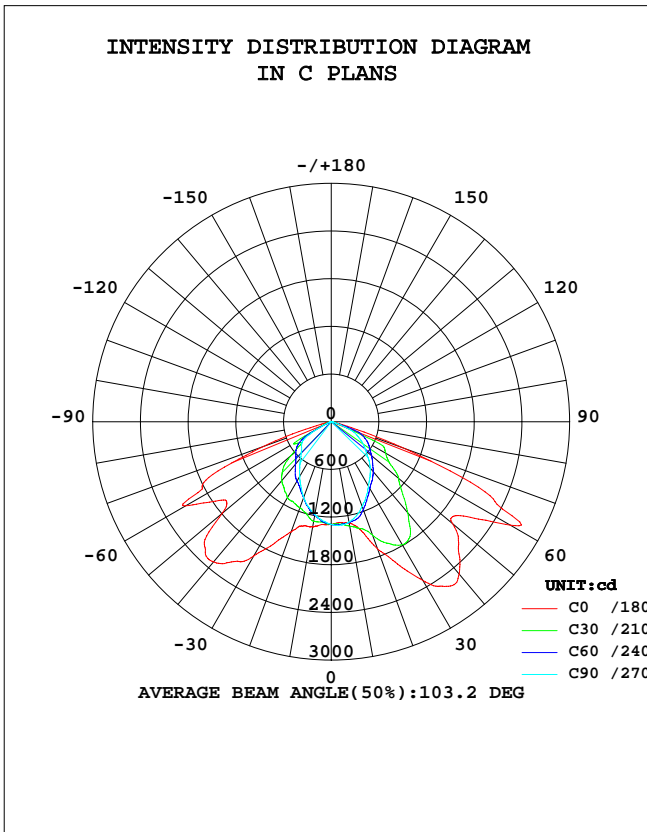
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.3DEG  
Operators:wjfung  
Test Date:2009-12-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
Humidity:65.0%  
Test Distance:16.000m [K=0.9113]  
Remarks:

**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:220.8V I:0.347A P:74.62W PF:0.974 Lamp Flux:5410x1 lm		
NAME: Street Light	TYPE:2D2018	WEIGHT:
DIMENSION:	SPECIFICATION:70W	SERIAL No.:Y(2009)DJ-WT-L0483
MANUFACTURER: Huadong Illumination Lamp	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I <sub>max</sub> (cd)	2724	η street_up(%)	0.0
NOMINAL POWER(W)	70	EFFICIENCY(%)	76.0	η street_down(%)	31.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4112	η house_up(%)	0.0
NOMINAL FLUX(lm)	5410.0	MAXIMUM @(C,γ )	180,61.5	η house_down(%)	44.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.8	η down(%)	76.0	SLI	

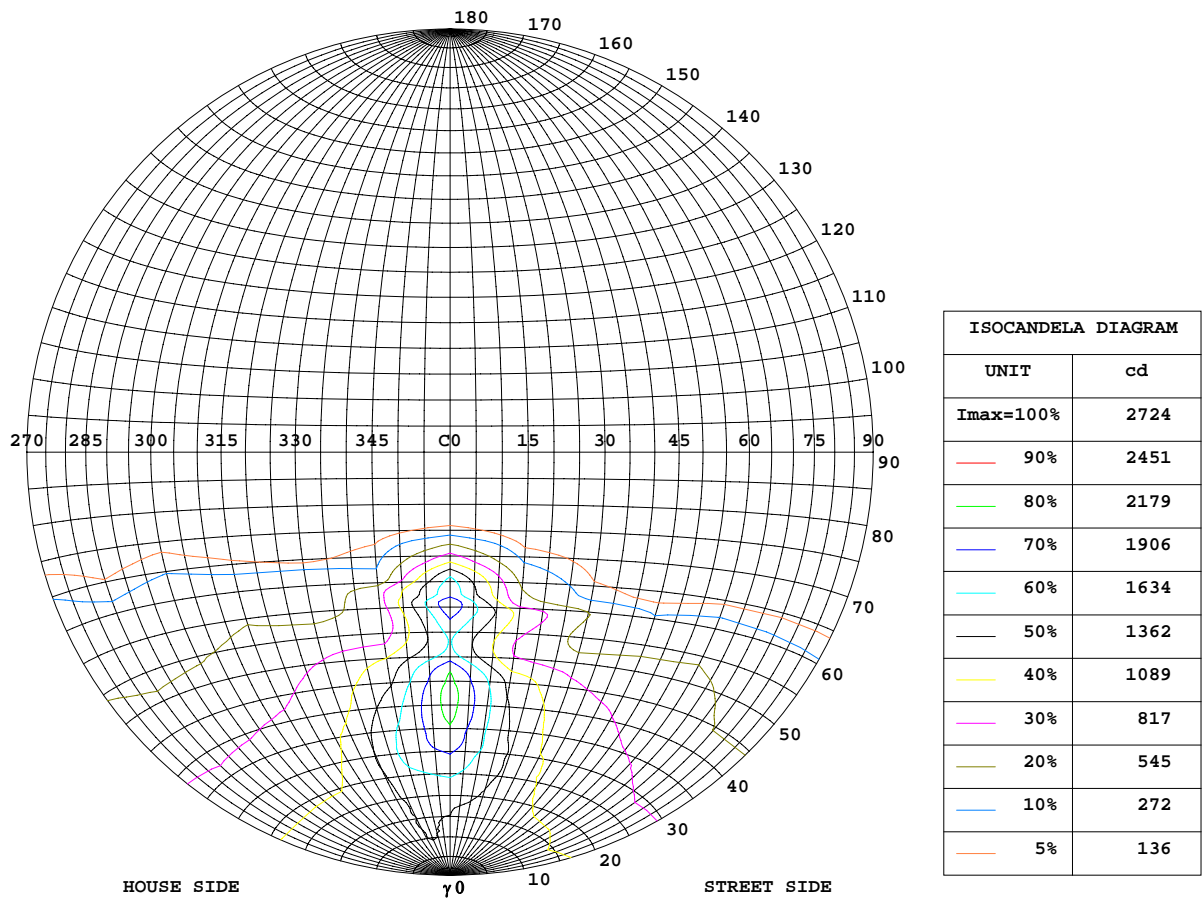


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 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
 Humidity:65.0%  
 Test Distance:16.000m [K=0.9113]  
 Remarks:

Note: SLI:Specific Luminaire Index

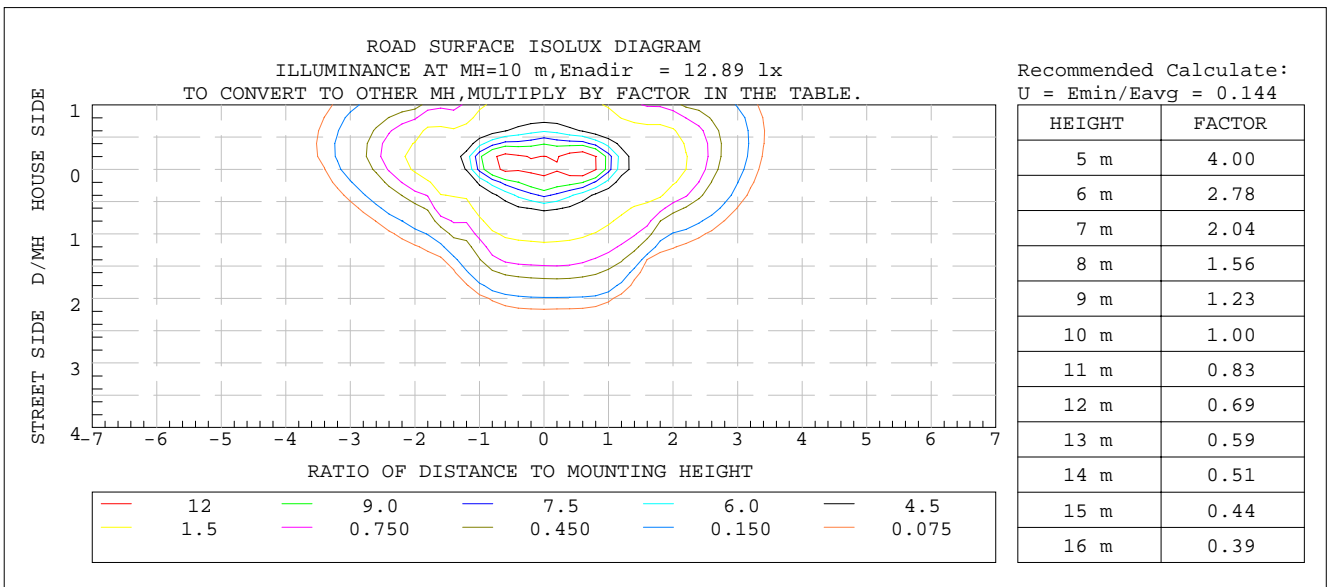
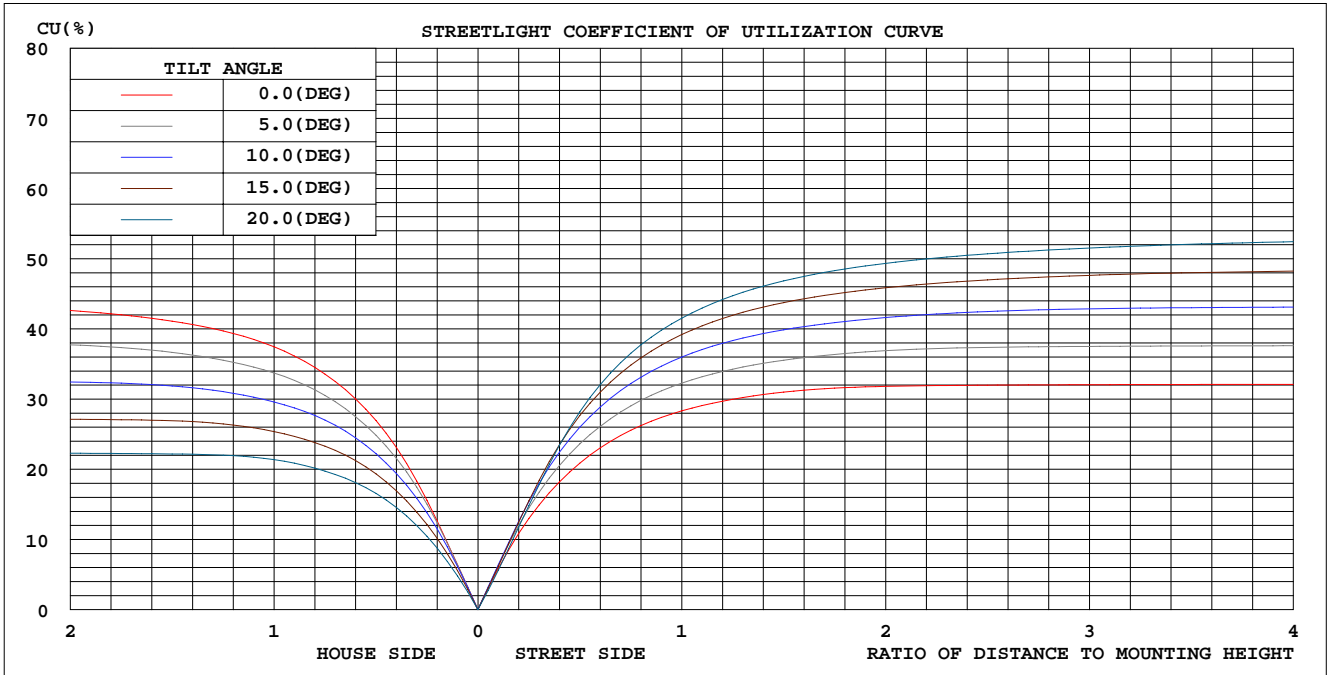
**STREETLIGHT ISOCANDELA DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.3DEG  
 Operators: wjfeng  
 Test Date: 2009-12-01

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
 Humidity: 65.0%  
 Test Distance: 16.000m [K=0.9113]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
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Temperature: 24.3DEG  
Operators: wjfeng  
Test Date: 2009-12-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
Humidity: 65.0%  
Test Distance: 16.000m [K=0.9113]  
Remarks:

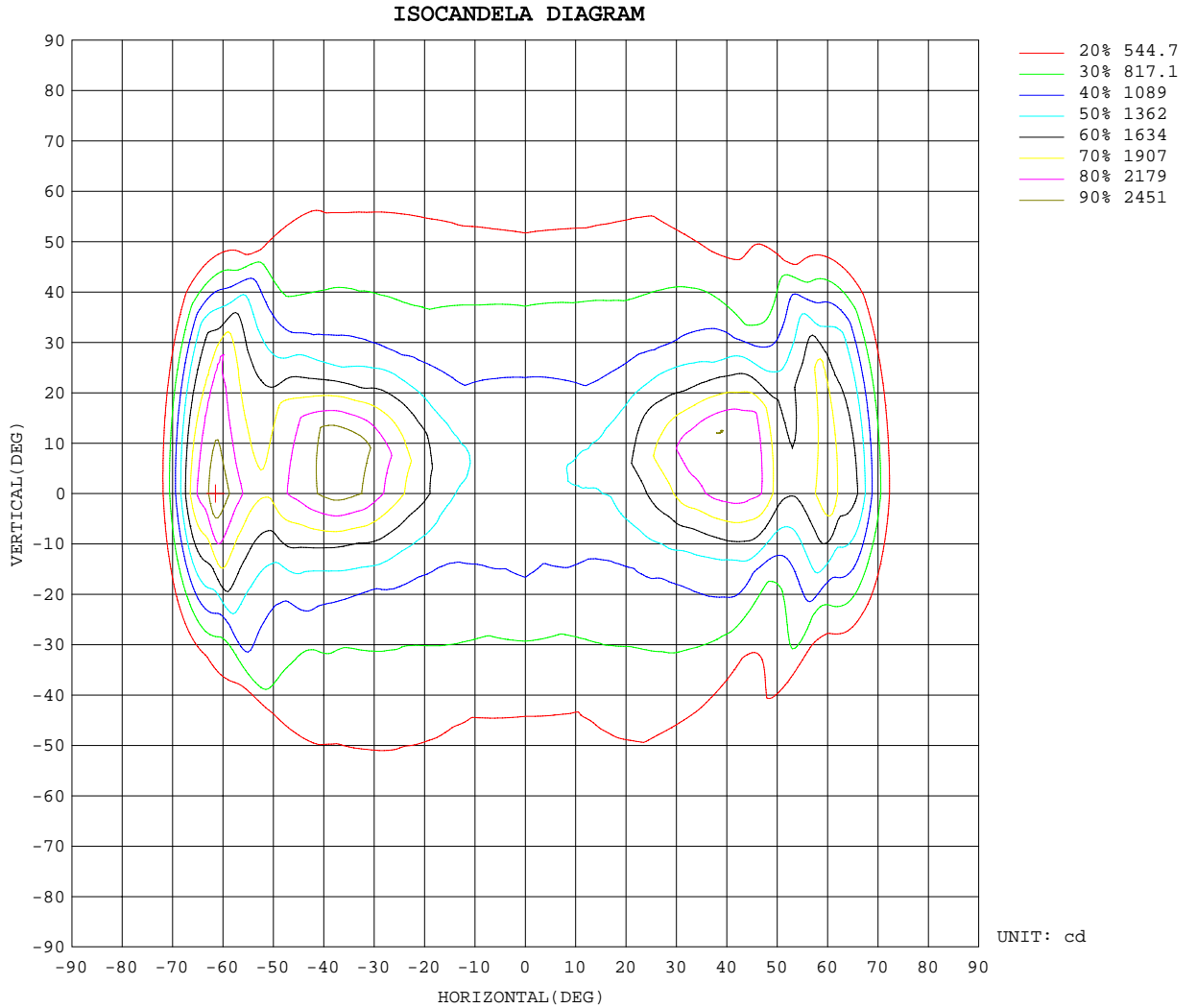
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total
5	1298	1260	1248	1259	1272	1303	1307	1324	0- 5	30.84	30.84
10	1345	1229	1189	1214	1291	1324	1282	1345	5- 10	91.74	122.5
15	1358	1149	1110	1134	1406	1329	1226	1339	10- 15	150.1	272.7
20	1476	1059	1017	1074	1703	1293	1137	1287	15- 20	206.0	478.8
25	1684	995.4	902.3	1000	1976	1261	1040	1235	20- 25	264.0	742.9
30	1949	953.6	792.6	938.6	2306	1227	937.9	1202	25- 30	323.4	1066
35	2150	892.5	692.2	879.8	2528	1128	850.8	1143	30- 35	376.5	1443
40	2302	833.6	601.0	827.1	2504	992.2	764.1	1014	35- 40	410.7	1854
45	2245	733.7	533.9	734.1	2264	897.9	665.1	926.7	40- 45	421.6	2275
50	1788	639.9	490.2	684.2	1991	820.3	568.6	838.7	45- 50	408.1	2683
55	1730	439.3	446.5	623.0	2080	710.0	490.0	654.5	50- 55	371.6	3055
60	2116	287.4	302.1	522.4	2603	603.9	403.6	429.5	55- 60	375.9	3431
65	1741	79.15	100.7	92.47	2206	534.0	318.5	304.4	60- 65	344.1	3775
70	906.7	43.89	35.57	43.45	951.6	268.1	149.0	91.24	65- 70	219.1	3994
75	195.0	26.56	17.70	26.51	139.0	45.31	45.41	49.44	70- 75	82.23	4077
80	39.81	14.76	10.19	16.23	39.86	27.76	21.34	29.76	75- 80	21.15	4098
85	19.85	5.684	4.746	6.360	21.34	17.85	12.29	17.34	80- 85	9.659	4107
90	7.966	3.642	2.190	3.453	9.875	9.565	8.388	8.481	85- 90	4.986	4112
95									90- 95		
100									95-100		
105									100-105		
110									105-110		
115									110-115		
120									115-120		
125									120-125		
130									125-130		
135									130-135		
140									135-140		
145									140-145		
150									145-150		
155									150-155		
160									155-160		
165									160-165		
170									165-170		
175									170-175		
180									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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Operators:wjfung  
Test Date:2009-12-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
Humidity:65.0%  
Test Distance:16.000m [K=0.9113]  
Remarks:

ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.3DEG  
Operators: wjfeng  
Test Date: 2009-12-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
Humidity: 65.0%  
Test Distance: 16.000m [K=0.9113]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293
5	1298	1296	1269	1260	1259	1252	1248	1255	1256	1259	1268	1261	1272	1291	1296	1303	1299	1304	1307
10	1345	1320	1272	1229	1195	1170	1189	1192	1197	1214	1236	1262	1291	1329	1336	1324	1290	1283	1282
15	1358	1292	1201	1149	1119	1081	1110	1106	1119	1134	1200	1304	1406	1429	1394	1329	1263	1230	1226
20	1476	1342	1155	1059	1018	980	1017	996	1020	1074	1184	1452	1703	1701	1516	1293	1181	1153	1137
25	1684	1425	1123	995	929	882	902	891	951	1000	1190	1569	1976	2003	1687	1261	1071	1065	1040
30	1949	1459	1105	954	864	792	793	804	876	939	1154	1667	2306	2338	1788	1227	972	966	938
35	2150	1428	1033	893	793	691	692	709	798	880	1066	1608	2528	2574	1735	1128	901	876	851
40	2302	1391	969	834	703	601	601	626	703	827	971	1511	2504	2568	1498	992	824	794	764
45	2245	1287	864	734	631	543	534	553	627	734	877	1398	2264	2283	1266	898	738	699	665
50	1788	837	660	640	581	509	490	518	581	684	820	1222	1991	1988	1108	820	663	603	569
55	1730	869	457	439	516	479	447	490	537	623	752	1183	2080	1699	890	710	594	536	490
60	2116	873	538	287	385	333	302	367	454	522	701	1294	2603	1890	790	604	534	467	404
65	1741	486	153	79.1	108	110	101	127	190	92.4	183	783	2206	1937	717	534	453	384	319
70	907	215	77.6	43.8	39.0	35.2	35.5	37.8	39.8	43.4	82.2	322	952	1102	173	268	311	258	149
75	195	58.0	38.8	26.5	23.2	17.5	17.7	18.7	22.7	26.5	38.2	60.0	139	223	64.2	45.3	44.0	64.0	45.4
80	39.8	23.3	20.8	14.7	12.9	9.78	10.1	10.1	13.3	16.2	20.8	27.8	39.8	42.2	29.4	27.7	24.1	24.3	21.3
85	19.8	12.7	9.11	5.68	5.78	4.59	4.74	3.51	6.04	6.36	10.9	13.9	21.3	21.8	17.8	17.8	14.7	14.0	12.2
90	7.96	6.51	4.49	3.64	2.33	2.69	2.19	3.34	3.41	3.45	4.91	6.98	9.87	10.3	9.06	9.56	9.28	7.90	8.38

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Test System:EVERFINE GO-R3000(2M3D) SYSTEM V1.0.136  
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Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345															
0	1293	1293	1293	1293	1293															
5	1328	1325	1324	1316	1322															
10	1322	1317	1345	1362	1373															
15	1270	1271	1339	1368	1401															
20	1179	1190	1287	1434	1548															
25	1060	1076	1235	1573	1812															
30	947	972	1202	1705	2110															
35	877	915	1143	1658	2348															
40	803	854	1014	1525	2457															
45	706	770	927	1321	2343															
50	607	685	839	1085	1914															
55	530	590	655	676	1583															
60	463	523	430	671	1860															
65	393	407	304	422	1571															
70	260	166	91.2	204	925															
75	72.7	41.6	49.4	78.5	227															
80	24.0	24.2	29.7	32.1	43.2															
85	14.1	14.9	17.3	15.8	19.1															
90	7.95	8.33	8.48	7.48	8.46															

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