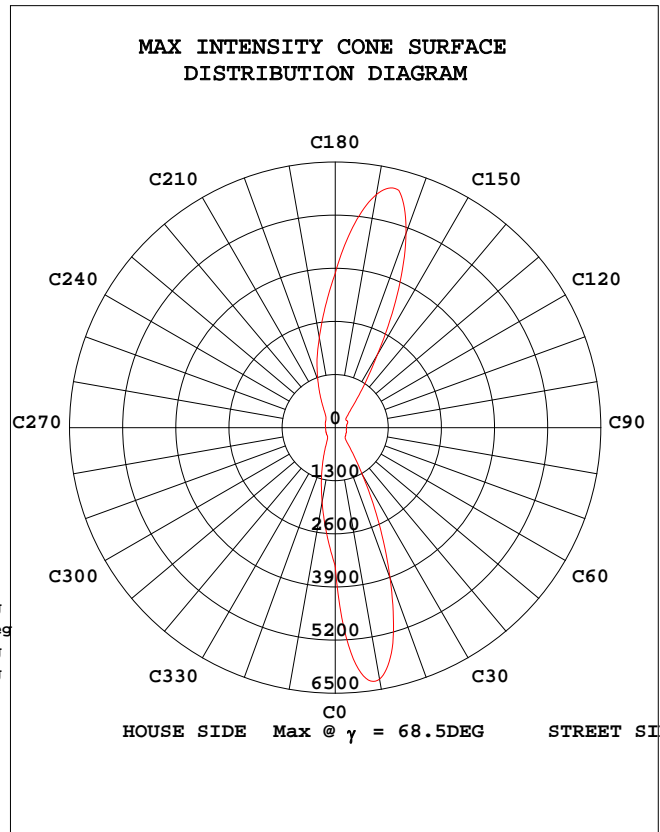
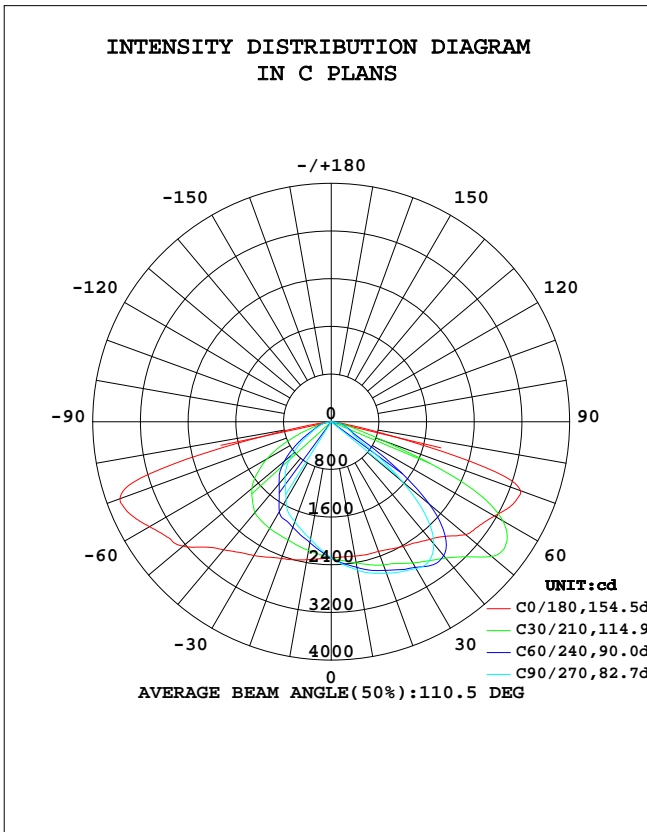


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: D-150MLED100-42	TYPE:Street Lighting	WEIGHT:11.7kg
SPEC.:14*3	DIM.: 825*360*150	SERIAL No.:60150

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	100W	Imax(cd)	6015	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	89.5	η street_down(%)	55.7
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	8949	η house_up(%)	0.0
NOMINAL FLUX(lm)	10000	MAXIMUM @(C, γ)	165,68.5	η house_down(%)	33.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	89.5	SLI	19.344



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KB01
 Test Date:2015-02-07

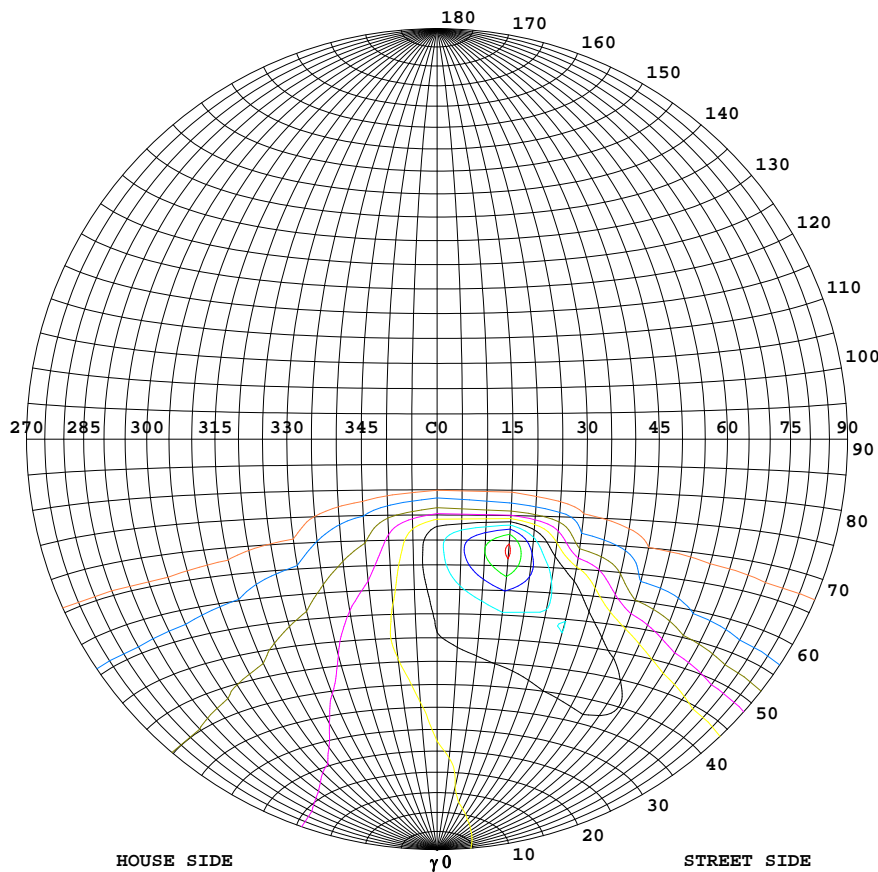
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: 4DR5 HLG100-54

Note: SLI:Specific Luminaire Index

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

NAME: D-150MLED100-42	TYPE:Street Lighting	WEIGHT:11.7kg
SPEC.:14*3	DIM.: 825*360*150	SERIAL No.:60150



Classification:

IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:51.87cd/klm
 Max.At90:1.842cd/klm
 Max.80-90:51.87cd/klm

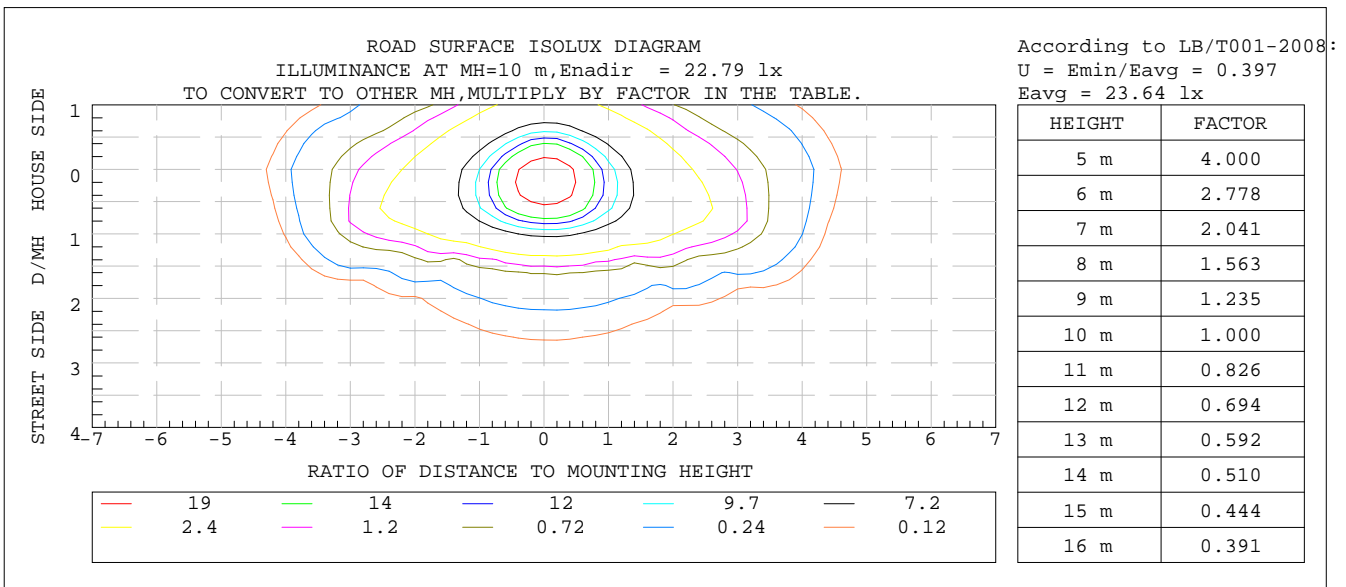
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6015
90%	5413
80%	4812
70%	4210
60%	3609
50%	3007
40%	2406
30%	1804
20%	1203
10%	601
5%	301

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KB01
 Test Date:2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: 4DR5 HLG100-54

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KB01
Test Date: 2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks: 4DR5 HLG100-54

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

NAME: D-150MLED100-42	TYPE:Street Lighting	WEIGHT:11.7kg
SPEC.:14*3	DIM.: 825*360*150	SERIAL No.:60150

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2278	2368	2410	2394	2308	2201	2143	2174	0- 5	54.63	54.63	0.61,0.55
10	2289	2445	2526	2500	2351	2120	2003	2071	5- 10	163.5	218.2	2.44,2.18
15	2307	2542	2629	2624	2399	2045	1890	1979	10- 15	272.5	490.6	5.48,4.91
20	2317	2628	2705	2740	2442	1986	1788	1904	15- 20	380.3	870.9	9.73,8.71
25	2357	2707	2776	2841	2507	1913	1694	1821	20- 25	486.0	1357	15.2,13.6
30	2415	2833	2846	2980	2592	1829	1518	1728	25- 30	591.9	1949	21.8,19.5
35	2478	2943	2855	3110	2676	1740	1342	1624	30- 35	690.3	2639	29.5,26.4
40	2577	3096	2677	3280	2806	1597	1209	1476	35- 40	780.0	3419	38.2,34.2
45	2719	3130	2256	3347	2975	1427	1056	1300	40- 45	852.1	4271	47.7,42.7
50	2947	2908	1550	3188	3248	1259	853.9	1129	45- 50	892.8	5164	57.7,51.6
55	3035	2318	772.2	2672	3367	1009	641.0	877.5	50- 55	870.6	6035	67.4,60.3
60	3162	1223	420.2	1574	3521	738.5	439.0	619.3	55- 60	792.3	6827	76.3,68.3
65	3332	484.0	331.2	628.5	3703	476.4	314.7	386.5	60- 65	731.0	7558	84.5,75.6
70	3377	302.1	258.9	390.6	3771	271.8	214.6	238.2	65- 70	662.5	8220	91.9,82.2
75	1929	184.5	181.6	246.4	2732	173.5	166.4	148.8	70- 75	489.1	8709	97.3,87.1
80	280.4	94.03	102.7	120.2	518.7	100.5	91.59	83.25	75- 80	183.9	8893	99.4,88.9
85	44.52	30.91	12.02	44.48	61.70	17.76	8.046	11.56	80- 85	46.64	8940	99.9,89.4
90	18.42	6.703	6.401	6.074	16.77	6.220	5.607	7.592	85- 90	9.258	8949	100,89.5
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		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KB01
 Test Date:2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: 4DR5 HLG100-54

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

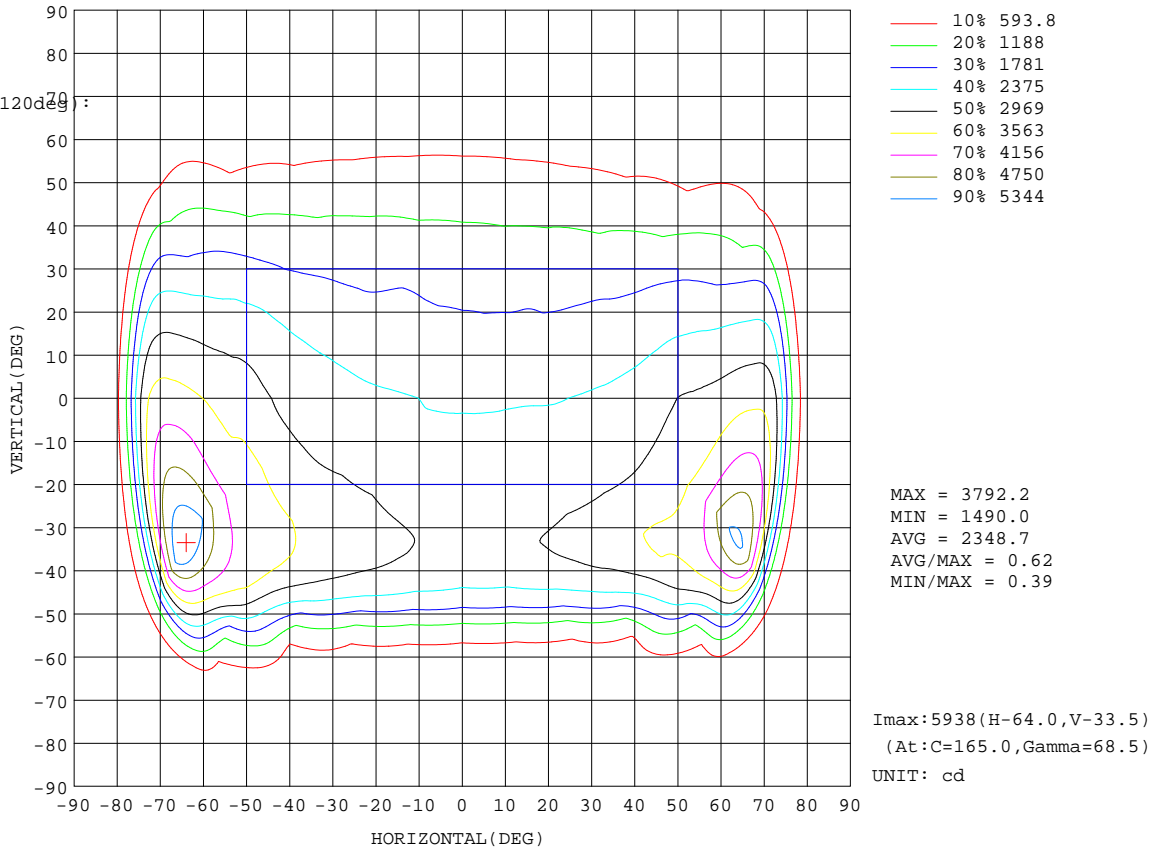
NAME: D-150MLED100-42	TYPE: Street Lighting	WEIGHT: 11.7kg
SPEC.: 14*3	DIM.: 825*360*150	SERIAL No.: 60150

Conical surface Flux(90deg):

4271.1 lm
 %lum = 47.7%
 %lamp = 42.7%

Conical surface Flux(120deg):

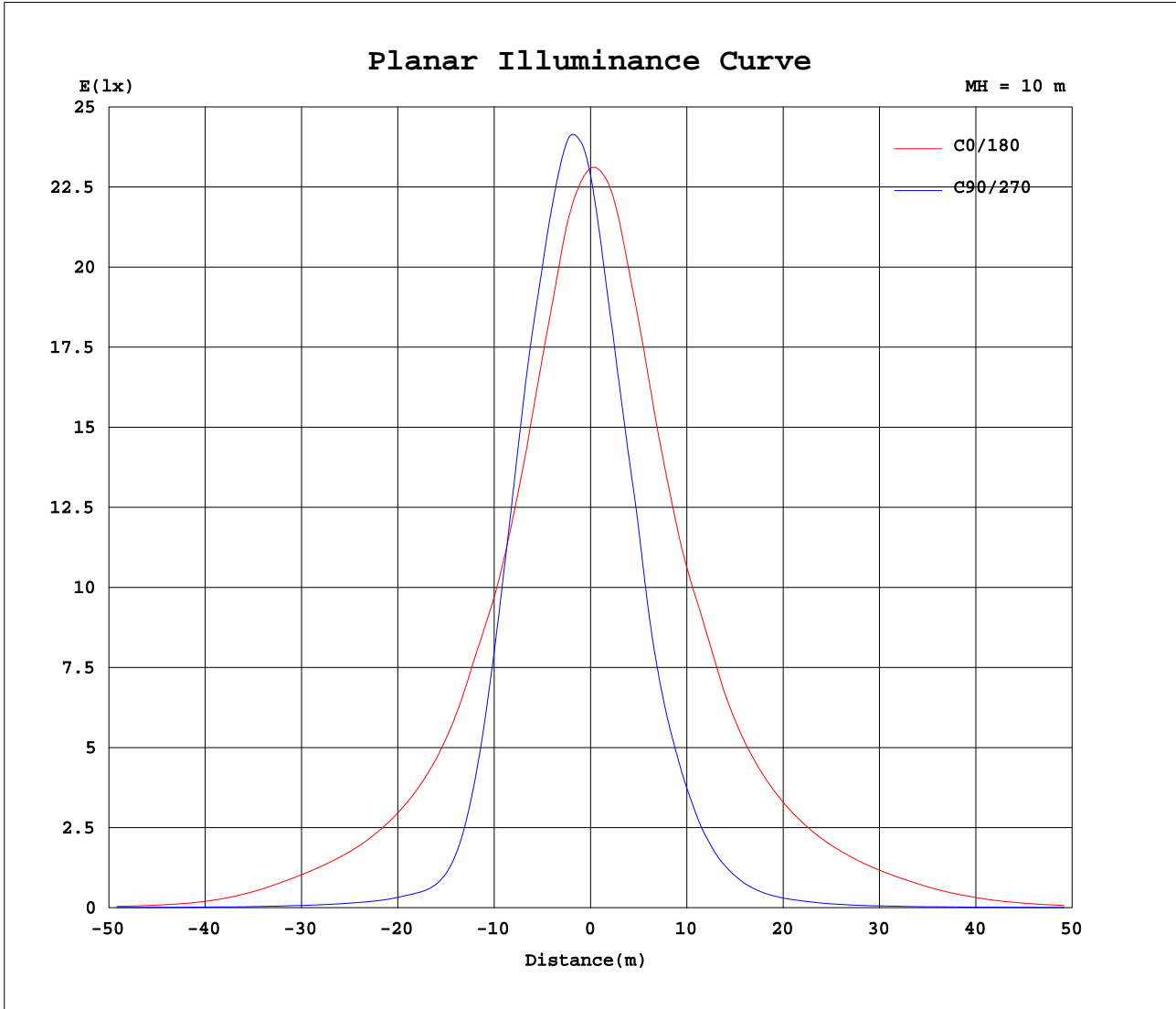
6826.9 lm
 %lum = 76.3%
 %lamp = 68.3%



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: KB01
 Test Date: 2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity: 65.0%
 Test Distance: 6.100m [K=1.0000]
 Remarks: 4DR5 HLG100-54

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KB01
Test Date: 2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks: 4DR5 HLG100-54

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: D-150MLED100-42	TYPE:Street Lighting	WEIGHT:11.7kg
SPEC.:14*3	DIM.: 825*360*150	SERIAL No.:60150

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	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286
5	2278	2310	2341	2368	2387	2403	2410	2414	2408	2394	2371	2343	2308	2273	2235	2201	2173	2153	2143
10	2289	2354	2405	2445	2482	2509	2526	2532	2523	2500	2468	2418	2351	2275	2193	2120	2061	2022	2003
15	2307	2409	2483	2542	2580	2610	2629	2645	2644	2624	2575	2503	2399	2280	2155	2045	1973	1917	1890
20	2317	2440	2555	2628	2654	2680	2705	2728	2740	2740	2683	2577	2442	2278	2112	1986	1886	1820	1788
25	2357	2493	2624	2707	2739	2751	2776	2809	2836	2841	2783	2660	2507	2302	2087	1913	1822	1736	1694
30	2415	2577	2735	2833	2821	2822	2846	2890	2936	2980	2920	2771	2592	2341	2067	1829	1744	1575	1518
35	2478	2670	2848	2943	2939	2858	2855	2939	3066	3110	3053	2890	2676	2376	2036	1740	1525	1381	1342
40	2577	2799	2987	3096	2932	2721	2677	2815	3080	3280	3216	3061	2806	2422	1990	1597	1362	1246	1209
45	2719	2996	3205	3130	2700	2349	2256	2463	2895	3347	3446	3289	2975	2494	1871	1427	1229	1103	1056
50	2947	3361	3514	2908	2145	1669	1550	1779	2371	3188	3793	3716	3248	2544	1737	1259	1026	905	854
55	3035	3539	3577	2318	1271	880	772	947	1464	2672	3970	3893	3367	2480	1521	1009	786	689	641
60	3162	4195	3323	1223	557	436	420	464	654	1574	3845	4515	3521	2301	1249	738	546	463	439
65	3332	5179	2496	484	372	342	331	361	416	629	3185	5598	3703	2009	884	476	346	321	315
70	3377	5241	933	302	272	264	259	274	306	391	1520	5912	3771	1581	506	272	248	228	215
75	1929	1835	340	184	192	188	182	196	214	246	558	3063	2732	950	215	174	171	184	166
80	280	268	122	94.0	120	113	103	120	135	120	231	396	519	257	101	101	120	112	91.6
85	44.5	47.9	29.4	30.9	42.4	46.0	12.0	48.3	54.6	44.5	56.8	88.6	61.7	48.5	27.4	17.8	15.7	13.4	8.05
90	18.4	14.2	8.48	6.70	7.07	7.30	6.40	6.80	6.24	6.07	9.51	15.2	16.8	14.6	9.94	6.22	4.78	5.45	5.61

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KB01
 Test Date:2015-02-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: 4DR5 HLG100-54

