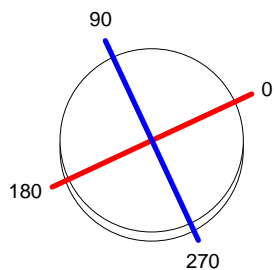


<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm
Maximum value	175.71 cd/klm	Position	C=90.00 G=40.00	Double Symmetrical	
Round Luminaire	Diam.	420 mm	Height	240 mm	
Round Luminous Area	Diam.	420 mm	Height	240 mm	
Horizontal Luminous Area	0.138544 m2		Emitting area on Plane 180°	0.100800 m2	
Emitting area on Plane 0°	0.100800 m2		Emitting area on Plane 270°	0.100800 m2	
Emitting area on Plane 90°	0.100800 m2		Glare area at 76°	0.131323 m2	
Symmetry Type	Double Symmetrical	Maximum Gamma Angle	180		
Measurement Distance	6.44	Measurement Flux	2400.00 lm		
Operator	Asselum T2	Source voltage	230.00 V		
Temperature	20.00 °C	Source current			
Humidity	53.00 %	Photocell	PRC		
Notes					

Luminaire Lamps						
Line	Code	Name	Fluxlm	Pow.W	Qta	
PHILIPS 2005 ILCOS FBT,G,C,FSQ	PL ELECT pro16W/827	PL electr pro 16W/827 E27	900.00	16.00	3	
C.I.E.	32 73 94 70 84	D DIN 5040				
F UTE	0.59 I + 0.26 T	B NBN				
		B21				
		BZ 6 / 2 / BZ 5				

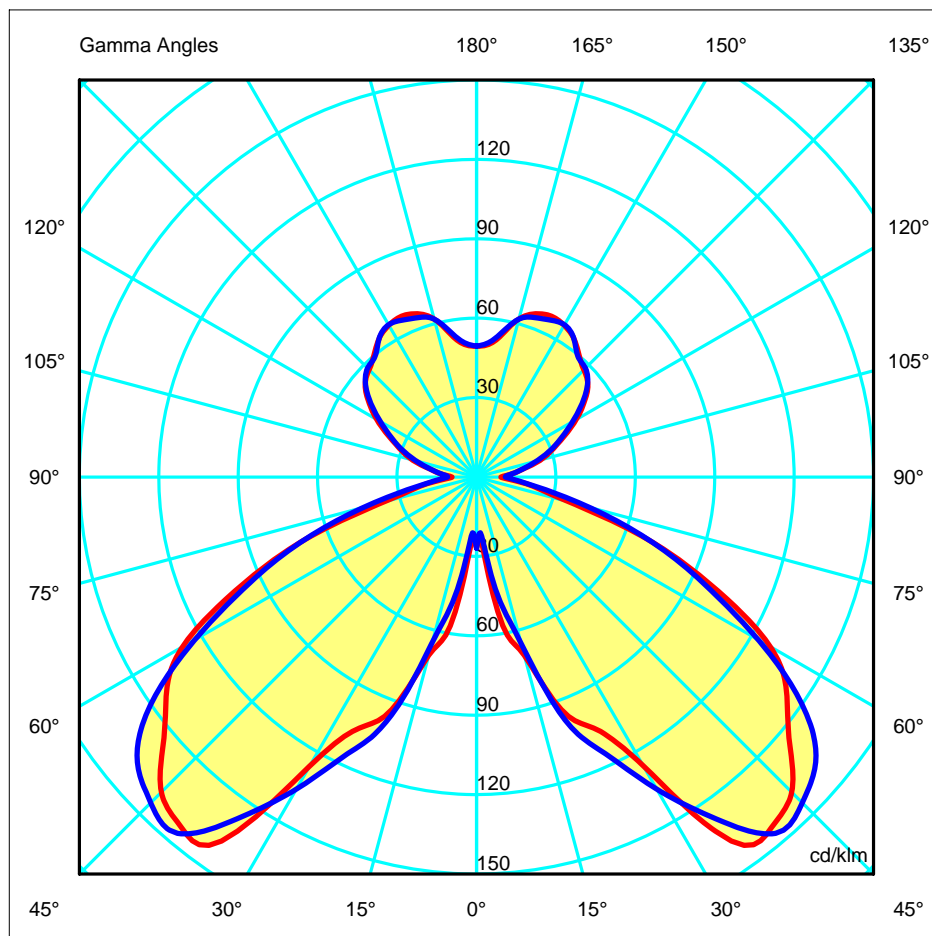
Diam=420mm



C Halfplanes

180.0 — 0.0  
 270.0 — 90.0

ULOR 25.54 %  
 DLOR 58.88 %  
 RN 30.25 %



Luminaire		Measurem.		Lamp			
Code	4900	Code	4900	Code	PL ELECT pro16W/827		
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3		
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal		
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm		
Luminous Intensity Table cd/klm							
Table 1/1							
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	26.85	26.85	26.85	26.85	26.85	26.85	26.85
G 5.0	26.50	22.16	18.97	22.80	20.80	24.87	22.43
G 10.0	57.04	46.65	45.04	46.12	47.38	45.53	44.77
G 15.0	69.71	67.81	66.42	71.06	71.87	73.26	65.07
G 20.0	93.49	90.21	87.31	88.21	84.88	88.36	97.55
G 25.0	104.62	109.94	102.59	104.47	107.03	100.99	115.41
G 30.0	126.18	128.89	129.28	129.13	132.55	135.55	136.16
G 35.0	167.91	151.47	162.87	155.22	159.35	161.76	157.65
G 40.0	173.13	166.42	172.80	165.69	172.31	170.90	175.71
G 45.0	168.39	166.95	170.92	167.48	171.45	166.84	174.01
G 50.0	154.21	155.98	158.69	158.20	159.32	156.82	167.26
G 55.0	143.05	140.29	143.39	142.39	143.20	142.38	150.48
G 60.0	128.18	122.82	128.13	121.35	126.67	122.15	122.63
G 65.0	99.22	97.08	107.01	97.07	101.28	101.44	94.31
G 70.0	68.69	69.82	72.35	67.62	66.77	68.31	69.30
G 75.0	35.96	42.84	39.63	41.82	41.25	38.77	43.77
G 80.0	22.95	24.68	25.34	25.54	25.28	25.39	25.21
G 85.0	13.96	15.05	14.82	14.99	14.80	15.24	15.77
G 90.0	9.22	9.96	9.45	9.83	10.06	9.18	10.93
G 95.0	13.46	12.70	12.64	12.83	12.60	13.05	13.33
G100.0	18.23	17.37	17.85	17.99	17.79	18.12	17.89
G105.0	25.16	23.37	23.30	23.56	23.68	23.58	23.63
G110.0	30.59	29.59	29.52	29.72	29.03	29.79	29.80
G115.0	36.59	35.22	35.76	35.92	35.26	36.01	35.58
G120.0	43.52	42.46	41.43	41.62	41.53	41.52	41.98
G125.0	49.78	47.91	47.35	48.38	47.44	48.07	48.82
G130.0	54.93	53.40	53.94	54.07	53.52	54.51	54.73
G135.0	57.32	57.83	58.60	57.61	58.87	57.92	58.20
G140.0	60.22	60.24	61.12	61.64	61.58	61.89	59.58
G145.0	64.05	63.77	63.60	63.98	63.06	64.55	64.03
G150.0	66.21	64.83	65.70	66.03	66.04	64.85	66.44
G155.0	67.03	65.64	65.93	66.60	66.47	65.00	65.49
G160.0	65.60	65.38	65.16	65.67	64.33	64.45	64.11
G165.0	61.84	63.01	62.06	62.03	61.13	60.81	61.79
G170.0	54.49	56.30	55.88	55.53	55.34	54.76	55.47
G175.0	50.21	50.39	51.09	50.37	50.68	50.29	50.88
G180.0	49.48	49.48	49.48	49.48	49.48	49.48	49.48

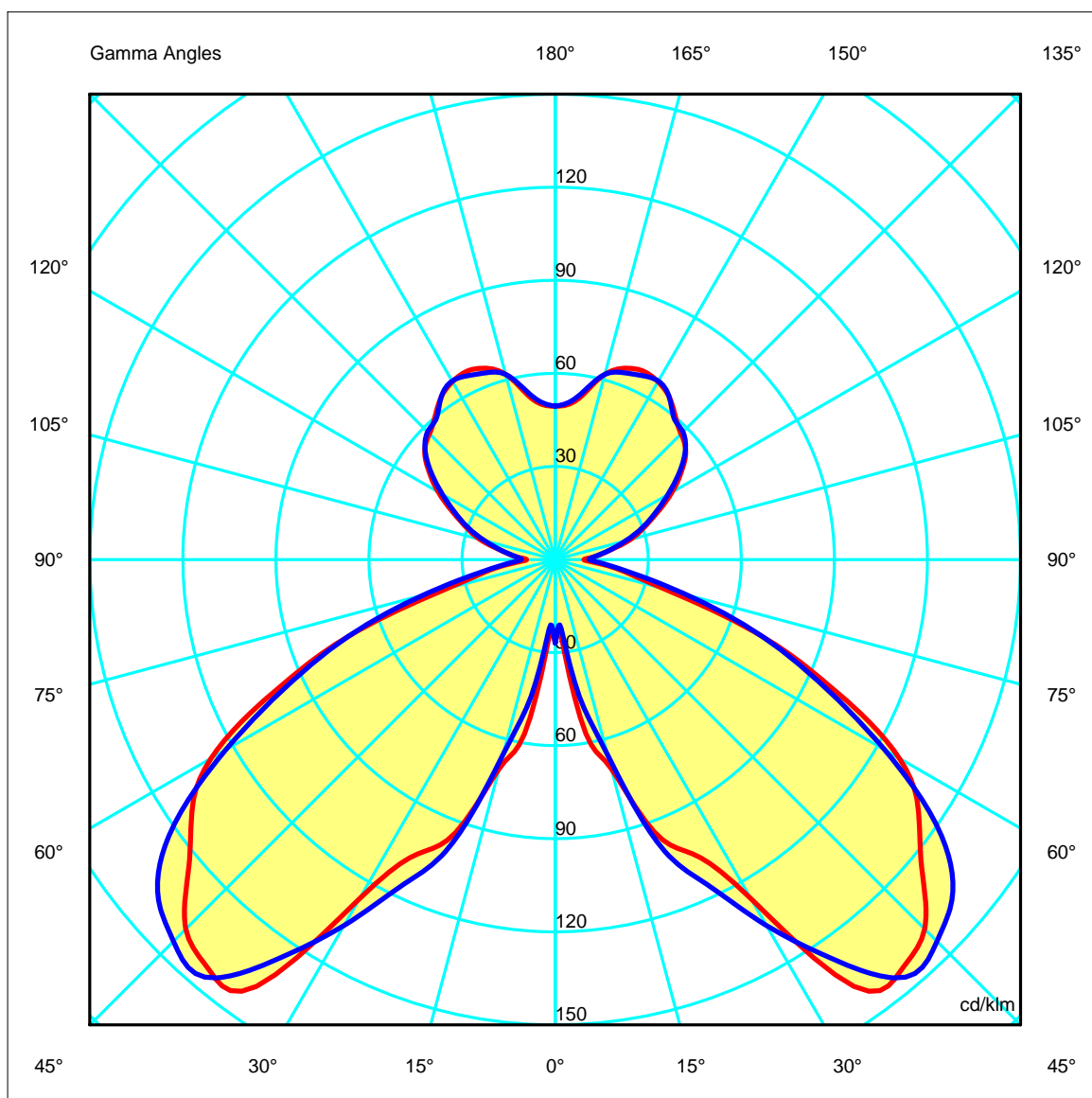
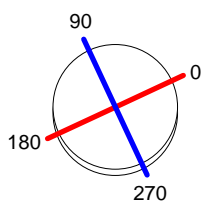
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Diam=420mm

C Halfplanes

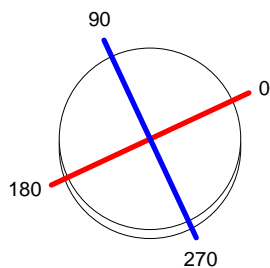
180.0 ————— 0.0

270.0 ————— 90.0



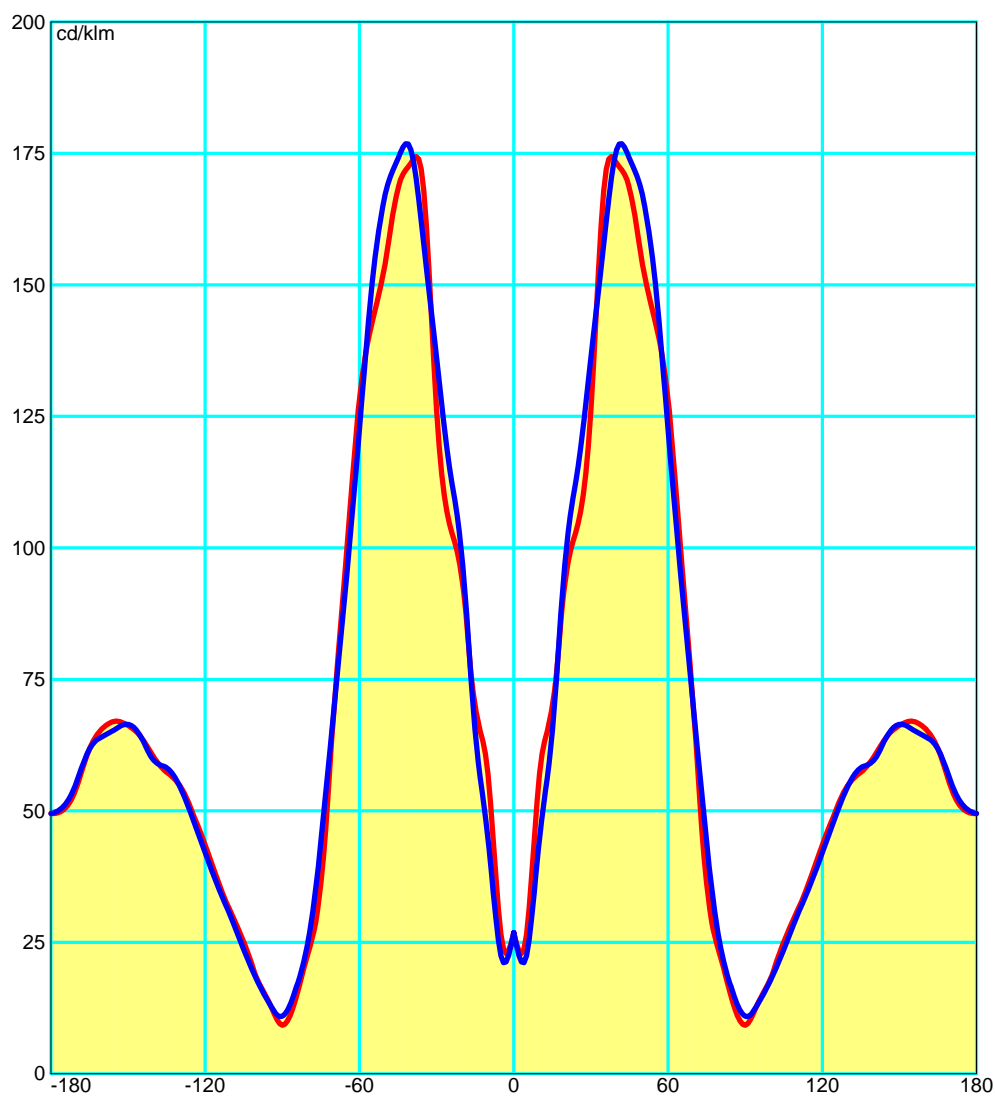
<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Diam=420mm



C Halfplanes

180.0 ————— 0.0  
 270.0 ————— 90.0

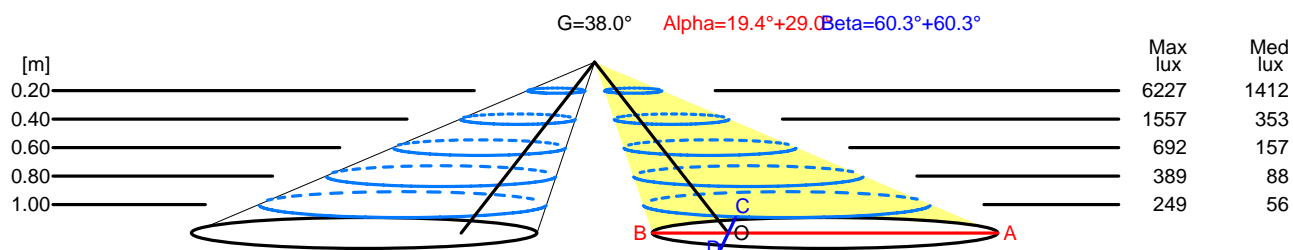


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Width at 50.00 % of MaxLux

H[m]	0.20	0.40	0.60	0.80	1.00	H[m]	0.20	0.40	0.60	0.80	1.00
OA	0.32	0.63	0.95	1.26	1.58	OC	0.45	0.89	1.34	1.78	2.23
OB	0.09	0.18	0.27	0.36	0.44	OD	0.45	0.89	1.34	1.78	2.23

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	26.85	26.50	69.71	104.62	167.91	168.39	143.05	99.22	35.96	13.96
OB	26.85	26.50	69.71	104.62	167.91	168.39	143.05	99.22	35.96	13.96
OC	26.85	22.43	65.07	115.41	157.65	174.01	150.48	94.31	43.77	15.77
OD	26.85	22.43	65.07	115.41	157.65	174.01	150.48	94.31	43.77	15.77



H[m]	D[m]	Max lux	Med lux	Alpha=19.4°+29.0°	G=38.0
0.20	0.40	6227	1412		
0.40	0.81	1557	353		
0.60	1.21	692	157		
0.80	1.62	389	88		
1.00	2.02	249	56		

H[m]	D[m]	Max lux	Med lux	Beta=60.3°+60.3°	G=0.0
0.20	0.89	6227	1412		
0.40	1.78	1557	353		
0.60	2.67	692	157		
0.80	3.56	389	88		
1.00	4.45	249	56		

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Total Flux=2700.00 Luminaire Flux=2279.44

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.18	0.28	0.36	0.44	0.51	0.61	0.67	0.72	0.78	0.82	0.90	0.94
RC	8	8	7	7	7	7	6	6	6	6	6	6

Zonal Flux per 1000 Lumen

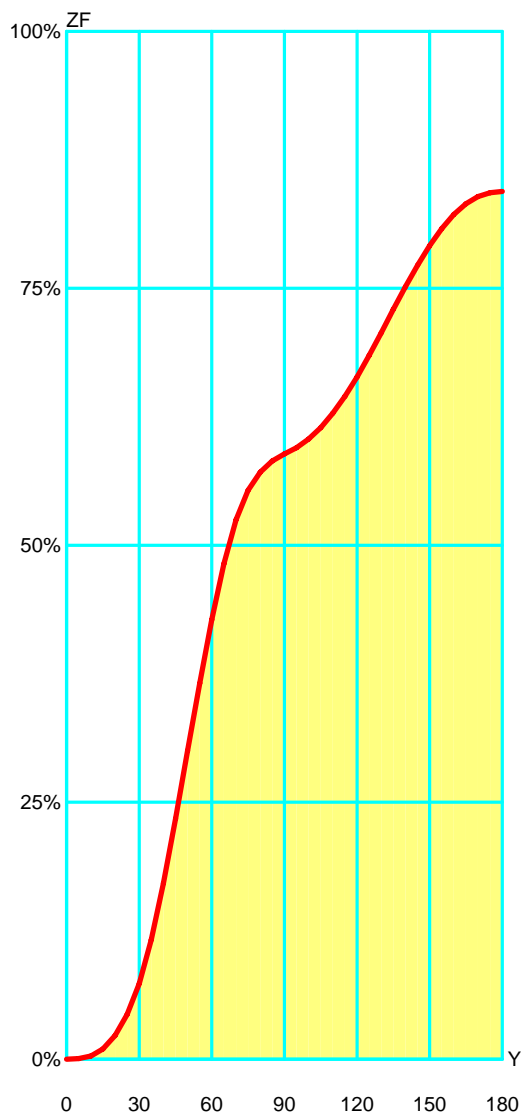
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	3	23	73	171	300	428	525	571	589	603	628	664	707	752	791	822	839	844

CIE Flux Codes

32 73 94 70 84

C.I.E. 8/8/7/7/7/6/6/6/6/6  
D DIN 5040 B21  
F UTE 0.59 I + 0.26 T  
B NBN BZ 6 / 2 / BZ 5  
RN 30.25279 %  
BLF 1.0

LOR 84.42357 %  
ULOR 25.54048 %  
DLOR 58.88309 %  
UFF 30.25279 %  
DFF 69.74721 %  
FFR 43.37490 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.59	0.59	0.07 %	0.07 %
10°	2.48	3.07	0.29 %	0.36 %
15°	6.91	9.98	0.82 %	1.18 %
20°	13.08	23.06	1.55 %	2.73 %
25°	20.44	43.51	2.42 %	5.15 %
30°	29.98	73.49	3.55 %	8.70 %
35°	42.71	116.20	5.06 %	13.76 %
40°	54.95	171.14	6.51 %	20.27 %
45°	62.87	234.02	7.45 %	27.72 %
50°	66.16	300.18	7.84 %	35.56 %
55°	65.53	365.70	7.76 %	43.32 %
60°	61.83	427.53	7.32 %	50.64 %
65°	54.58	482.12	6.47 %	57.11 %
70°	42.81	524.93	5.07 %	62.18 %
75°	28.67	553.60	3.40 %	65.57 %
80°	17.59	571.19	2.08 %	67.66 %
85°	10.87	582.06	1.29 %	68.95 %
90°	6.77	588.83	0.80 %	69.75 %
95°	6.20	595.03	0.73 %	70.48 %
100°	8.35	603.38	0.99 %	71.47 %
105°	11.11	614.49	1.32 %	72.79 %
110°	13.93	628.41	1.65 %	74.44 %
115°	16.55	644.96	1.96 %	76.40 %
120°	18.86	663.82	2.23 %	78.63 %
125°	20.79	684.62	2.46 %	81.09 %
130°	22.21	706.82	2.63 %	83.72 %
135°	22.66	729.48	2.68 %	86.41 %
140°	22.06	751.55	2.61 %	89.02 %
145°	20.84	772.39	2.47 %	91.49 %
150°	19.06	791.45	2.26 %	93.75 %
155°	16.66	808.11	1.97 %	95.72 %
160°	13.74	821.84	1.63 %	97.35 %
165°	10.45	832.29	1.24 %	98.59 %
170°	6.96	839.25	0.82 %	99.41 %
175°	3.79	843.04	0.45 %	99.86 %
180°	1.20	844.24	0.14 %	100.00 %

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

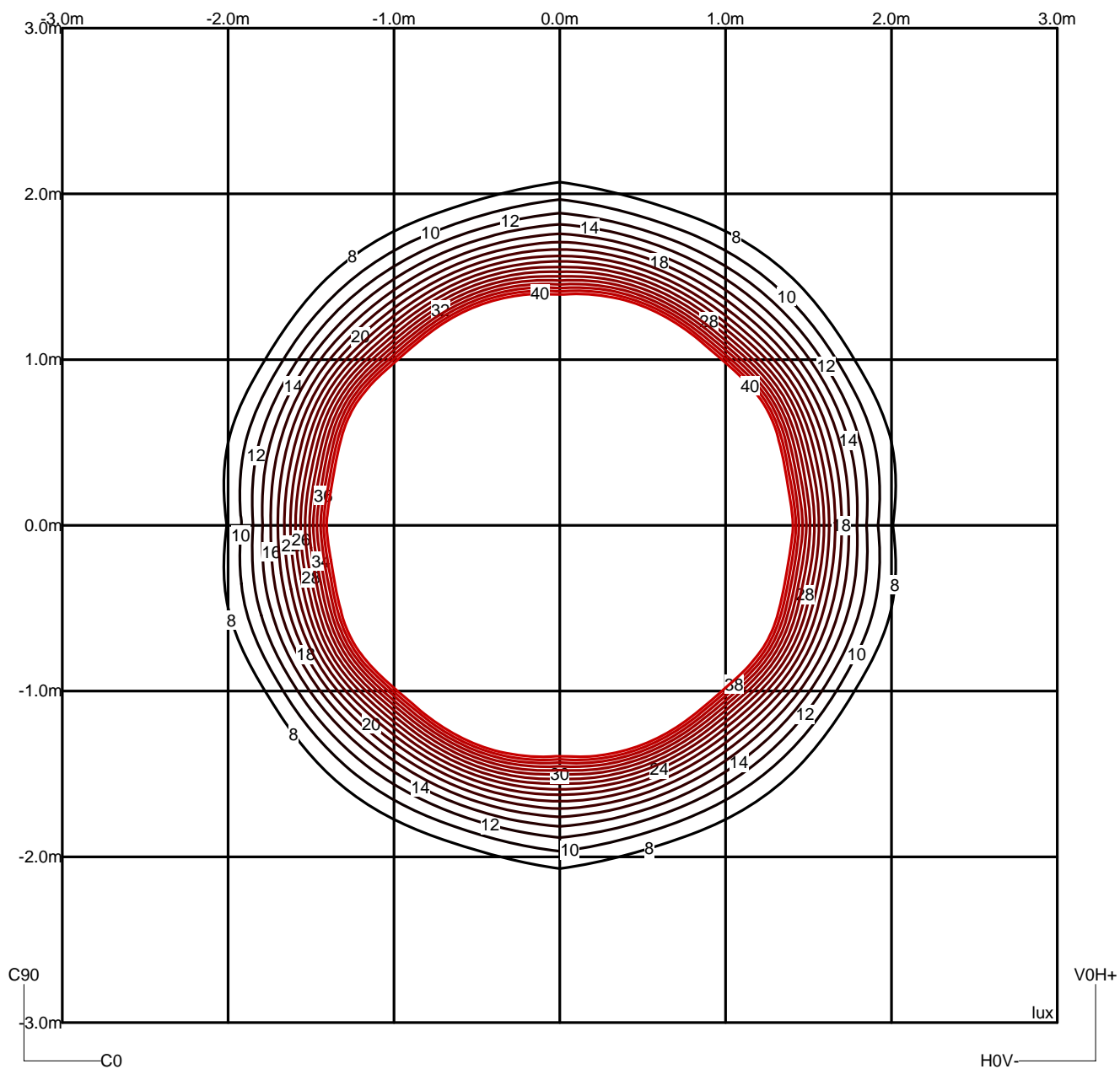
**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	14.0	15.1	14.7	15.8	16.7	14.1	15.1	14.8	15.8	16.7
x=2H y=3H	15.1	16.1	15.9	16.9	17.7	15.2	16.1	15.9	16.9	17.7
x=2H y=4H	15.4	16.3	16.1	17.0	17.9	15.4	16.3	16.1	17.0	17.9
x=2H y=6H	15.4	16.3	16.2	17.0	18.0	15.5	16.3	16.2	17.1	18.0
x=2H y=8H	15.4	16.2	16.2	17.0	18.0	15.5	16.3	16.3	17.1	18.0
x=2H y=12H	15.4	16.2	16.2	17.0	17.9	15.5	16.3	16.3	17.0	17.9
x=4H y=2H	14.5	15.4	15.3	16.2	17.0	14.5	15.4	15.3	16.2	17.0
x=4H y=3H	15.7	16.5	16.5	17.3	18.1	15.7	16.5	16.5	17.2	18.1
x=4H y=4H	16.0	16.7	16.8	17.5	18.4	16.0	16.6	16.8	17.4	18.4
x=4H y=6H	16.1	16.7	16.9	17.5	18.5	16.1	16.7	16.9	17.5	18.5
x=4H y=8H	16.2	16.7	17.0	17.5	18.5	16.2	16.7	17.0	17.5	18.5
x=4H y=12H	16.2	16.7	17.0	17.5	18.5	16.2	16.7	17.0	17.5	18.5
x=8H y=4H	16.0	16.6	16.9	17.4	18.4	16.0	16.5	16.8	17.4	18.4
x=8H y=6H	16.2	16.7	17.1	17.5	18.5	16.2	16.7	17.1	17.5	18.5
x=8H y=8H	16.3	16.7	17.2	17.5	18.6	16.3	16.7	17.2	17.6	18.6
x=8H y=12H	16.4	16.7	17.2	17.5	18.6	16.4	16.7	17.2	17.6	18.6
x=12H y=4H	16.0	16.5	16.8	17.3	18.3	16.0	16.4	16.8	17.3	18.3
x=12H y=6H	16.2	16.6	17.1	17.5	18.5	16.2	16.6	17.1	17.5	18.5
x=12H y=8H	16.3	16.6	17.2	17.5	18.6	16.3	16.6	17.2	17.5	18.6

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=0.60m





<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code 4900		Code 4900		Code	PL ELECT pro16W/827
Name Table lamp screen shade		Name Table lamp screen shade		Number	3
Line VIBIA-Warm		Date 31-10-2012		Position	Universal

Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm
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#### Utilizations CIE

Mounting	Direct				114-Norm type Normalised								Suspension Ratio 3								Standard CIE Settings							
	Ceiling																											
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000					
0.60	364	327	334	302	311	288	253	215	239	204	206	155	182	124	191	166	147	148	118	139	125	108	96					
0.80	405	371	358	330	353	316	290	253	265	233	229	182	202	148	218	191	172	170	141	164	147	129	114					
1.00	433	402	370	346	383	331	318	284	282	253	245	202	217	167	237	209	192	187	159	182	164	146	128					
1.25	456	430	376	356	409	342	346	314	296	270	260	221	231	185	254	226	210	203	177	200	181	163	142					
1.50	473	449	377	361	428	347	367	338	305	282	270	235	243	200	266	239	224	216	192	214	195	177	153					
2.00	494	475	376	363	453	351	398	373	315	297	285	256	259	223	281	257	244	236	214	234	216	199	170					
2.50	508	491	373	363	469	352	420	398	321	306	294	269	271	239	291	269	258	249	231	248	231	215	182					
3.00	517	503	370	362	481	352	437	417	324	312	300	279	279	251	298	277	268	260	243	258	242	227	192					
4.00	529	518	366	360	496	351	459	443	329	319	309	292	291	268	306	289	281	274	260	272	259	245	204					
5.00	537	528	362	358	506	350	474	460	331	323	314	300	299	280	311	297	290	283	272	281	269	257	213					
10.00	553	549	354	352	526	346	508	500	336	332	326	318	317	306	322	313	310	305	298	301	294	284	232					
20.00	561	559	349	348	537	343	527	522	337	335	332	328	327	321	327	322	320	317	314	312	308	300	243					

#### Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000										
0.60	384	364	347	331	354	322	279	261	260	244	218	198	187	167	237	201	194	174	164	189	165	159	145										
0.80	439	418	385	369	403	358	328	309	298	283	256	235	224	201	271	235	227	208	196	221	196	187	170										
1.00	477	457	409	395	439	381	366	346	326	310	284	262	252	228	295	261	252	234	221	243	220	209	189										
1.25	510	492	427	414	470	399	401	381	349	334	310	288	278	254	316	283	275	257	244	263	241	228	205										
1.50	535	518	439	428	493	411	428	408	365	351	329	308	299	274	331	301	292	276	263	279	257	242	217										
2.00	564	549	449	440	520	422	463	445	384	372	352	333	325	301	348	321	314	299	286	296	277	259	231										
2.50	583	570	455	447	539	429	488	471	396	385	367	350	343	321	359	336	329	315	303	309	292	271	241										
3.00	596	585	458	452	551	433	506	490	404	394	378	363	356	336	366	345	339	327	316	317	302	280	247										
4.00	617	607	465	460	571	441	533	520	417	409	396	383	377	359	379	362	356	346	336	331	318	294	258										
5.00	632	624	471	467	586	448	553	542	428	421	409	398	393	377	389	374	369	360	352	343	331	305	268										
10.00	673	668	493	490	626	471	607	600	459	455	448	441	437	427	420	411	408	402	396	377	369	339	297										
20.00	705	703	514	513	659	493	647	643	486	484	479	475	473	467	447	441	440	436	433	406	401	368	324										

#### Working Pl.

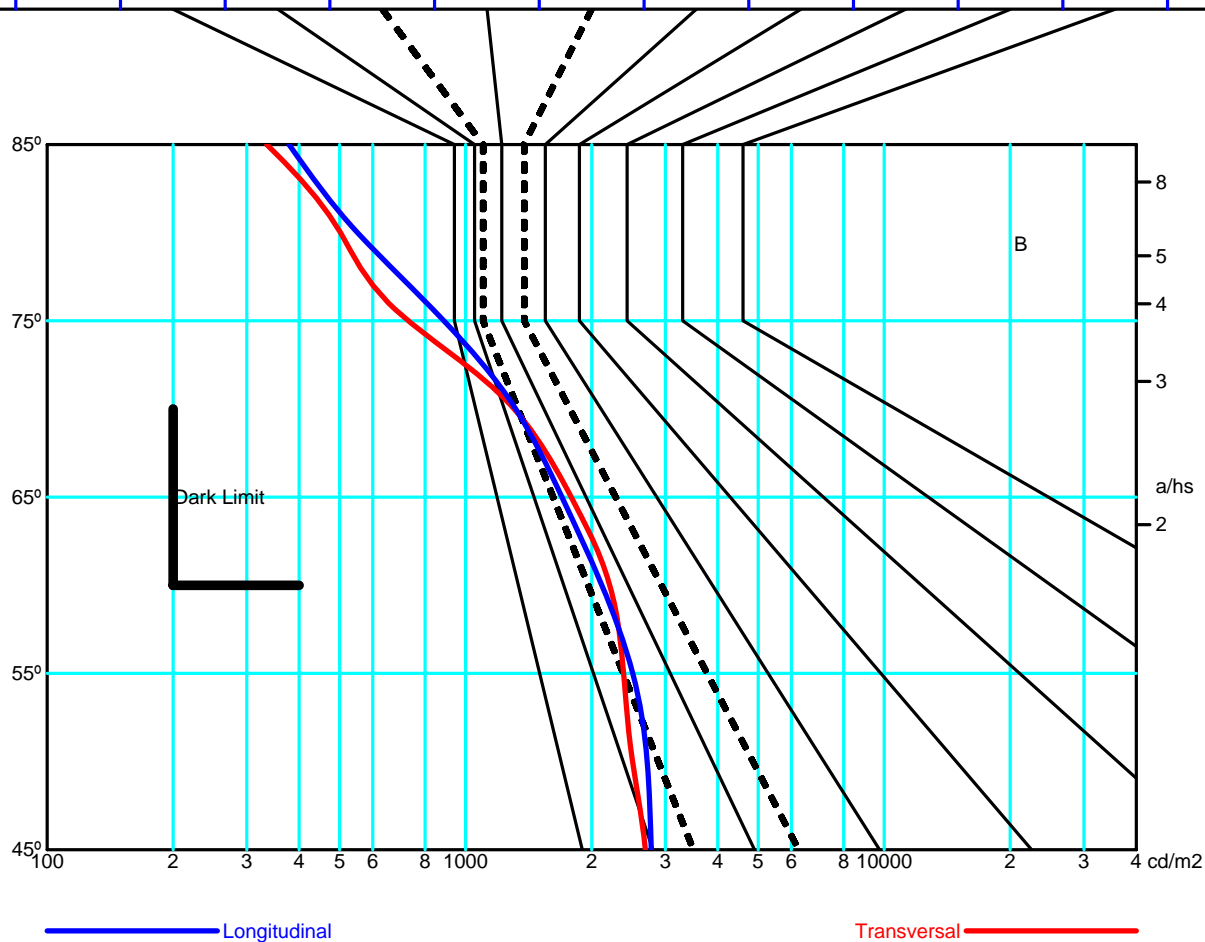
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000										
0.60	380	359	354	336	345	325	254	236	245	228	190	171	151	132	218	171	164	137	128	158	127	120	105										
0.80	476	453	438	419	433	403	340	319	325	306	268	244	226	201	289	242	233	206	193	223	191	180	163										
1.00	550	527	501	483	502	463	410	387	388	369	332	305	289	260	347	300	290	263	249	276	244	229	211										
1.25	621	599	560	543	569	520	481	457	451	431	397	368	354	322	403	359	348	323	307	330	299	280	260										
1.50	675	654	603	588	619	562	536	512	498	479	447	418	405	372	447	405	394	370	353	372	342	320	299										
2.00	753	733	663	650	692	622	619	595	567	550	522	495	484	451	510	474	463	443	425	435	409	380	358										
2.50	803	786	701	690	740	659	675	653	612	597	572	547	538	506	552	520	510	492	475	476	453	420	396										
3.00	839	823	727	717	774	686	716	695	644	630	608	585	577	547	582	553	544	528	512	506	485	448	424										
4.00	885	872	759	751	818	718	770	752	685	674	655	635	628	602	620	597	588	575	561	545	528	485	460										
5.00	914	903	779	772	845	738	804	788	710	701	685	667	661	638	644	624	617	605	592	569	554	508	482										
10.00	975	969	819	815	904	780	880	870	764	758	749	739	735	720	695	683	679	671	663	622	613	558	529										
20.00	1000	1000	839	838	936	802	923	918	793	790	785	779	776	768	723	716	714	709	705	651	646	587	556										

LM53 SHR C0-C180: 3.646 SHR C90-C270: 3.571 SHR Square: 1.780

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

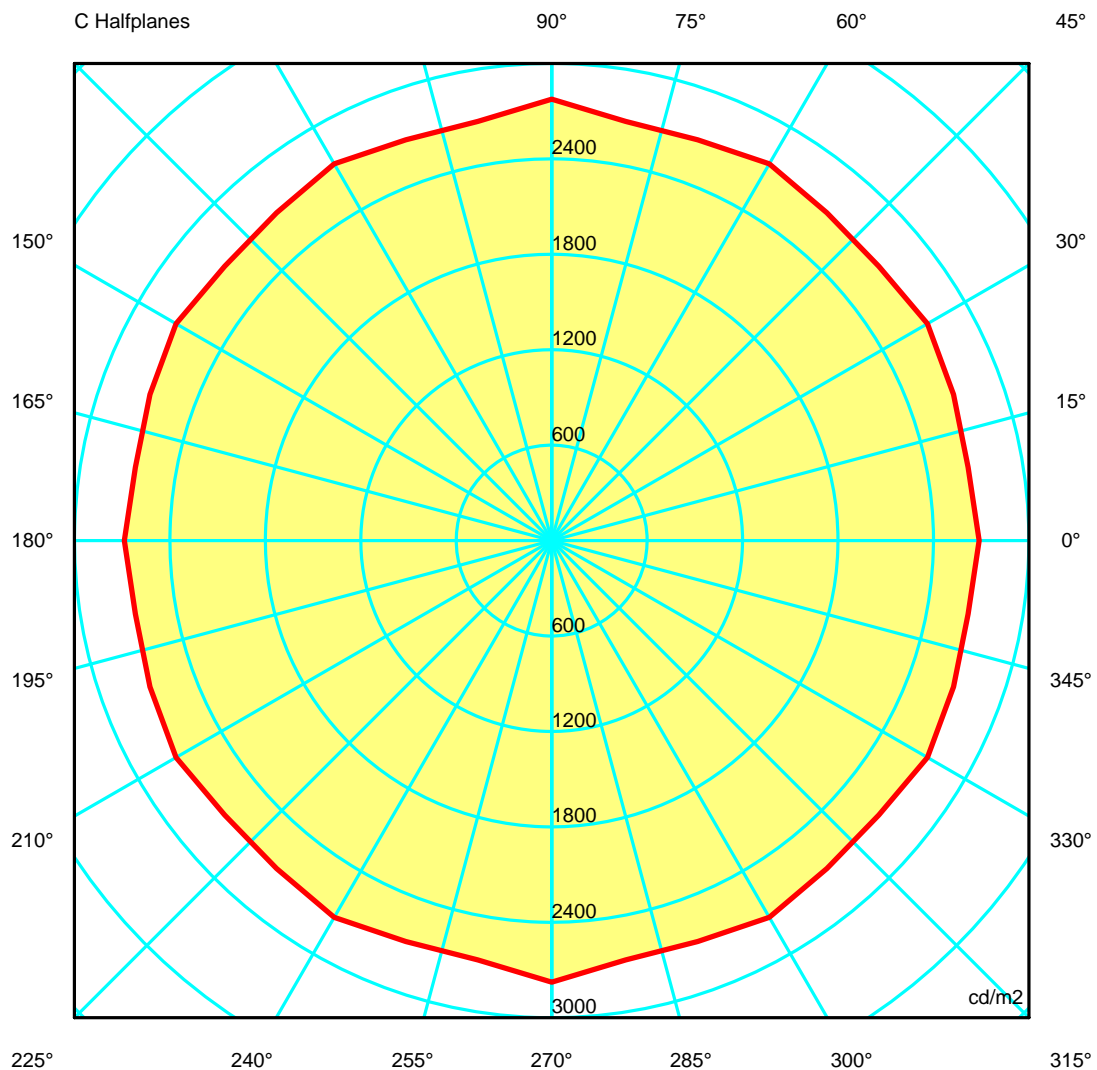
	Average Luminance [cd/m <sup>2</sup> ]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0°	2686.4	2504.2	2383.6	2210.4	1787.2	1305.2	728.8	502.5	335.0	---
90°	2776.1	2716.0	2507.4	2114.7	1698.7	1316.7	887.0	551.9	378.4	---

Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	4900	Code	4900	Code	PL ELECT pro16W/827
Name	Table lamp screen shade	Name	Table lamp screen shade	Number	3
Line	VIBIA-Warm	Date	31-10-2012	Position	Universal
Efficiency	84.42%	Coordinate system	C-G	Total Flux	2700.00 lm

Luminance												
G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	523.34	523.34	523.34	523.34	523.34	523.34	523.34	523.34	523.34	523.34	523.34	523.34
5°	487.42	348.86	382.56	412.54	382.56	348.86	487.42	348.86	382.56	412.54	382.56	348.86
10°	1000.37	789.90	830.93	785.17	830.93	789.90	1000.37	789.90	830.93	785.17	830.93	789.90
15°	1176.94	1121.50	1213.47	1098.71	1213.47	1121.50	1176.94	1121.50	1213.47	1098.71	1213.47	1121.50
20°	1532.92	1431.64	1391.74	1599.58	1391.74	1431.64	1532.92	1431.64	1391.74	1599.58	1391.74	1431.64
25°	1679.74	1647.19	1718.53	1853.00	1718.53	1647.19	1679.74	1647.19	1718.53	1853.00	1718.53	1647.19
30°	1999.46	2048.71	2100.49	2157.71	2100.49	2048.71	1999.46	2048.71	2100.49	2157.71	2100.49	2048.71
35°	2646.51	2567.07	2511.64	2484.85	2511.64	2567.07	2646.51	2567.07	2511.64	2484.85	2511.64	2567.07
40°	2734.83	2729.59	2721.92	2775.57	2721.92	2729.59	2734.83	2729.59	2721.92	2775.57	2721.92	2729.59
45°	2686.45	2726.81	2735.27	2776.08	2735.27	2726.81	2686.45	2726.81	2735.27	2776.08	2735.27	2726.81
50°	2504.16	2576.83	2587.18	2715.99	2587.18	2576.83	2504.16	2576.83	2587.18	2715.99	2587.18	2576.83
55°	2383.60	2389.38	2386.20	2507.43	2386.20	2389.38	2383.60	2389.38	2386.20	2507.43	2386.20	2389.38
60°	2210.37	2209.64	2184.41	2114.73	2184.41	2209.64	2210.37	2209.64	2184.41	2114.73	2184.41	2209.64
65°	1787.15	1927.43	1824.24	1698.70	1824.24	1927.43	1787.15	1927.43	1824.24	1698.70	1824.24	1927.43
70°	1305.19	1374.71	1268.54	1316.68	1268.54	1374.71	1305.19	1374.71	1268.54	1316.68	1268.54	1374.71
75°	728.81	803.27	836.09	886.98	836.09	803.27	728.81	803.27	836.09	886.98	836.09	803.27
80°	502.49	554.77	553.40	551.92	553.40	554.77	502.49	554.77	553.40	551.92	553.40	554.77
85°	335.02	355.65	355.32	378.44	355.32	355.65	335.02	355.65	355.32	378.44	355.32	355.65
90°	246.97	253.26	269.51	292.77	269.51	253.26	246.97	253.26	269.51	292.77	269.51	253.26



45.0°