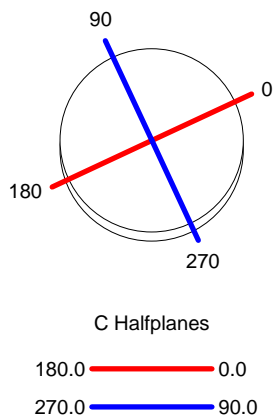


Luminaire		Measurem.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm
Maximum value	88.28 cd/klm	Position	C=0.00 G=0.00	Double Symmetrical	
Round Luminaire	Diam.	500 mm	Height	220 mm	
Round Luminous Area	Diam.	500 mm	Height	220 mm	
Horizontal Luminous Area	0.196350 m2	Emitting area on Plane 180°		0.110000 m2	
Emitting area on Plane 0°	0.110000 m2	Emitting area on Plane 270°		0.110000 m2	
Emitting area on Plane 90°	0.110000 m2	Glare area at 76°		0.154234 m2	
Symmetry Type	Double Symmetrical	Maximum Gamma Angle		180	
Measurement Distance	6.44	Measurement Flux		1920.00 lm	
Operator	Asselum T2	Source voltage		230.00 V	
Temperature	25.00 °C	Source current		PRC	
Humidity	58.00 %	Photocell			
Notes					

Luminaire Lamps					
Line	Code	Name	Fluxlm	Pow.W	Qta
PHILIPS 2005 ILCOS IA,IB,IC	STANDARD S 60W E27	STANDARD SFER 60W E27 CHIARA	640.00	60.00	3
C.I.E.	38 66 86 75 44	D DIN 5040			
F UTE	0.33 H + 0.11 T	B NBN			
		B21			
		BZ 6			

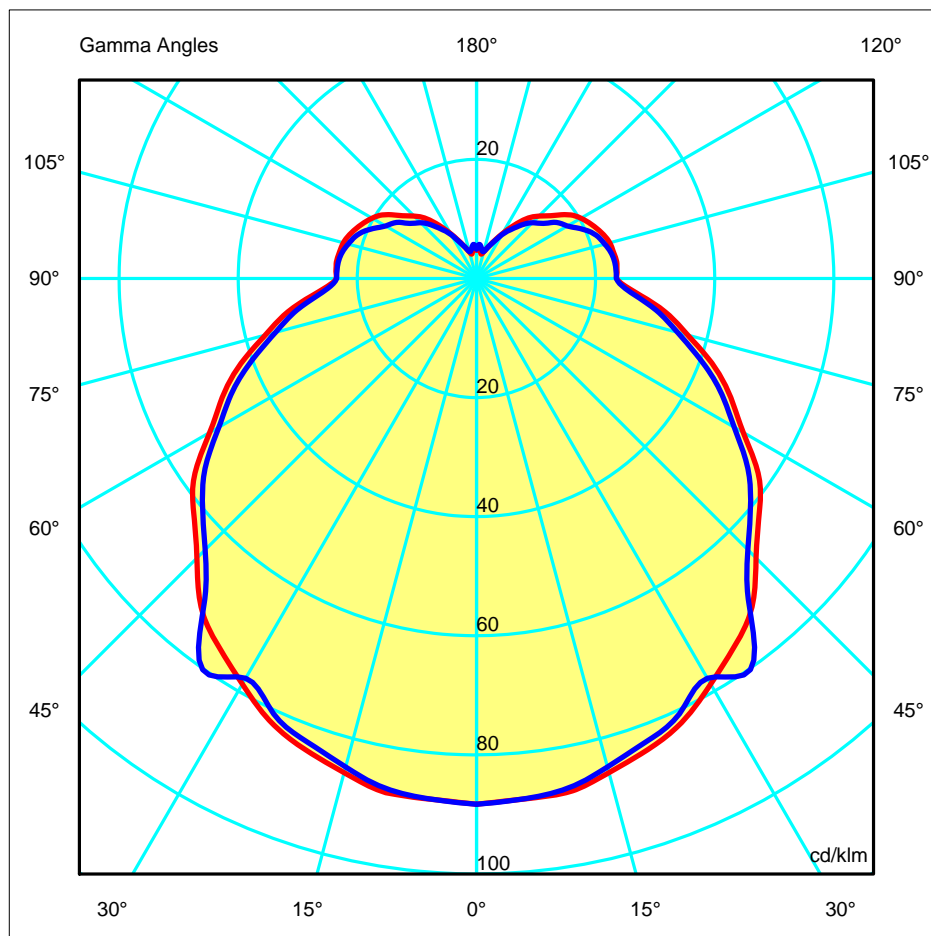
Diam=500mm



ULOR 10.80 %

DLOR 32.90 %

RN 24.71 %



Luminaire		Measurem.		Lamp			
Code	5190	Code	5190	Code	STANDARD S 60W E27		
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3		
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal		
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 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	88.28	88.28	88.28	88.28	88.28	88.28	88.28
G 5.0	87.78	88.09	87.63	87.76	87.94	87.91	87.74
G 10.0	87.67	86.87	86.63	86.66	86.93	86.63	86.99
G 15.0	85.90	85.15	84.97	85.22	85.41	85.09	84.92
G 20.0	84.17	83.20	82.71	82.99	83.13	82.99	82.86
G 25.0	82.00	80.61	80.22	80.35	80.46	80.09	80.63
G 30.0	78.64	79.99	77.27	79.74	77.33	77.24	77.51
G 35.0	75.47	75.45	80.59	78.79	74.24	76.32	80.18
G 40.0	71.96	70.24	73.50	70.61	70.20	74.37	71.12
G 45.0	66.38	65.38	64.93	64.94	64.55	65.06	64.45
G 50.0	61.93	60.55	60.21	60.04	60.03	59.87	60.02
G 55.0	57.84	55.75	55.31	55.47	55.06	55.12	55.62
G 60.0	51.71	51.18	50.53	50.39	49.88	50.07	49.96
G 65.0	47.06	45.41	45.52	45.04	45.26	44.55	45.30
G 70.0	42.21	40.58	40.28	40.05	39.91	39.78	40.10
G 75.0	36.74	36.02	35.18	35.17	34.77	35.26	34.94
G 80.0	32.14	30.40	30.45	30.25	30.51	29.69	30.63
G 85.0	26.79	26.35	26.06	25.74	25.90	25.71	25.88
G 90.0	23.53	23.73	23.38	23.31	23.33	23.14	23.47
G 95.0	23.66	23.62	23.48	23.24	23.20	23.06	23.46
G100.0	23.49	23.45	23.22	22.98	22.98	22.92	23.14
G105.0	23.15	22.95	22.68	22.52	22.39	22.30	22.29
G110.0	22.39	22.07	21.97	21.63	21.48	20.99	21.33
G115.0	21.36	21.11	20.82	20.42	20.01	19.71	19.62
G120.0	20.27	19.85	19.20	19.11	18.30	18.22	17.64
G125.0	18.68	18.00	17.66	17.69	16.72	16.67	16.42
G130.0	16.42	16.35	16.25	16.06	15.33	15.16	14.38
G135.0	14.84	14.36	14.60	14.48	14.01	13.31	13.27
G140.0	13.14	12.55	12.67	12.70	12.36	11.86	11.70
G145.0	10.83	10.79	10.83	10.95	10.60	10.33	10.03
G150.0	8.74	8.55	8.82	8.99	8.95	8.33	8.49
G155.0	6.91	7.00	7.14	7.23	7.15	7.07	6.75
G160.0	5.65	5.59	5.58	5.84	5.66	5.58	5.58
G165.0	4.66	4.58	4.55	4.70	4.70	4.51	4.69
G170.0	4.24	4.69	4.58	4.81	4.74	4.67	4.98
G175.0	5.38	5.38	5.36	5.54	5.58	5.67	5.76
G180.0	4.76	4.58	4.61	4.59	4.79	4.81	4.95

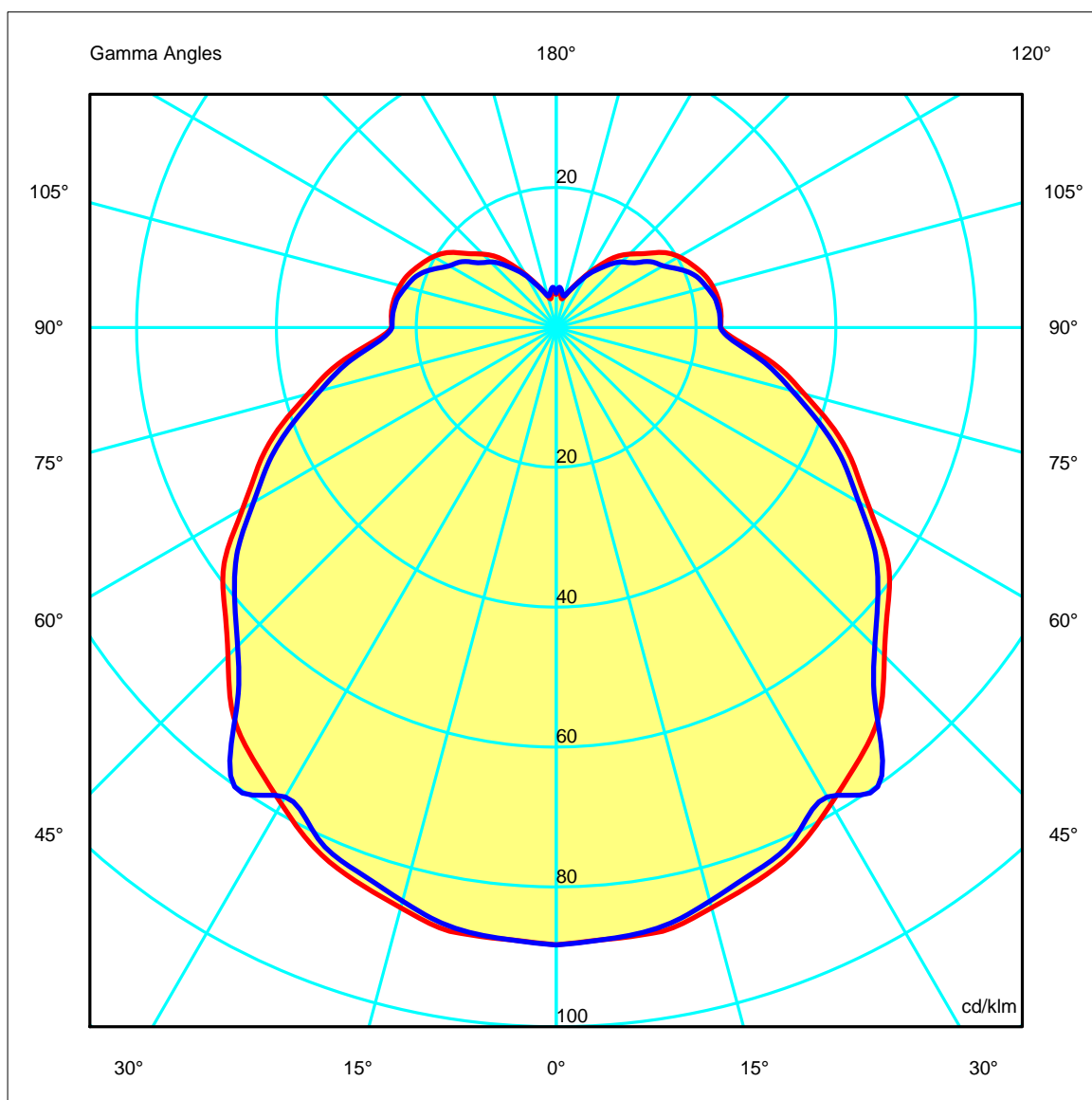
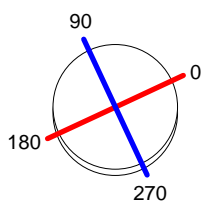
Luminaire		Measur.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Diam=500mm

C Halfplanes

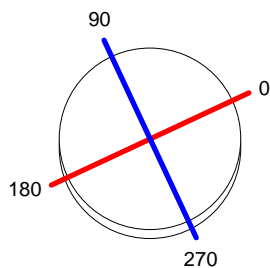
180.0 ————— 0.0

270.0 ————— 90.0



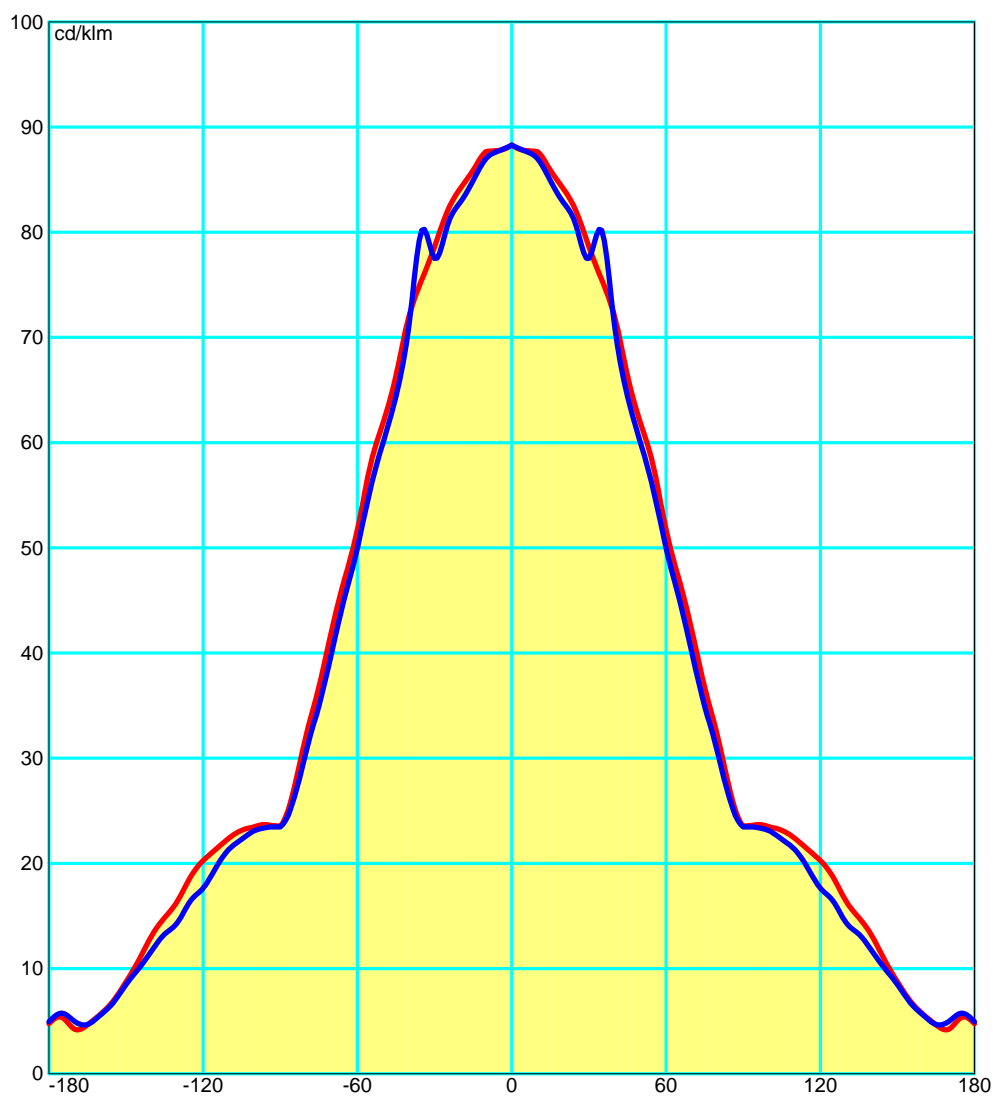
Luminaire		Measurem.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Diam=500mm



C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0

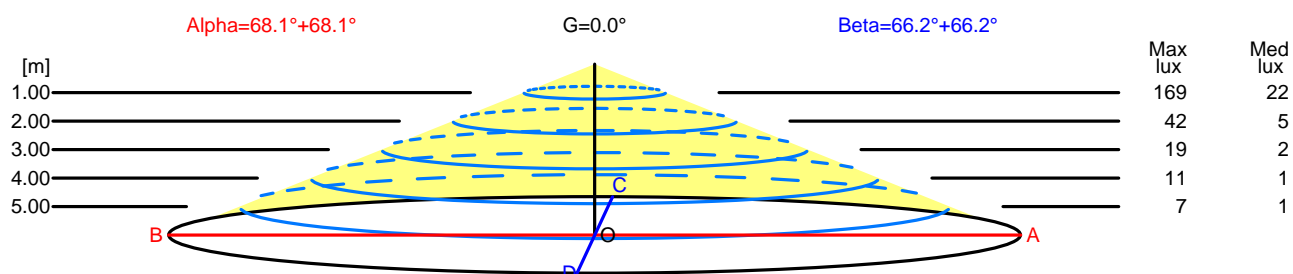


Luminaire		Measur.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Width at 50.00 % of MaxLux

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.49	4.98	7.48	9.97	12.46	OC	2.27	4.53	6.80	9.06	11.33
OB	2.49	4.98	7.48	9.97	12.46	OD	2.27	4.53	6.80	9.06	11.33

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	88.28	87.78	85.90	82.00	75.47	66.38	57.84	47.06	36.74	26.79
OB	88.28	87.78	85.90	82.00	75.47	66.38	57.84	47.06	36.74	26.79
OC	88.28	87.74	84.92	80.63	80.18	64.45	55.62	45.30	34.94	25.88
OD	88.28	87.74	84.92	80.63	80.18	64.45	55.62	45.30	34.94	25.88



H[m]	D[m]	Max lux	Med lux	Alpha=68.1°+68.1°	G=0.0	
1.00	4.98	169	22			
2.00	9.97	42	5			
3.00	14.95	19	2			
4.00	19.94	11	1			
5.00	24.92	7	1			

H[m]	D[m]	Max lux	Med lux	Beta=66.2°+66.2°	G=0.0	
1.00	4.53	169	22			
2.00	9.06	42	5			
3.00	13.59	19	2			
4.00	18.12	11	1			
5.00	22.66	7	1			

Luminaire			Measur.			Lamp	
Code	5190		Code	5190		Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade		Name	Floor lamp long cotton shade		Number	3
Line	VIBIA-Balance		Date	20-09-2012		Position	Universal
Efficiency	43.70%		Coordinate system	C-G		Total Flux	1920.00 lm

Total Flux=1920.00 Luminaire Flux=838.99

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	0.24	0.32	0.38	0.45	0.50	0.58	0.64	0.69	0.74	0.78	0.87	0.93
RC	7	7	7	7	7	7	7	7	7	7	7	7

Zonal Flux per 1000 Lumen

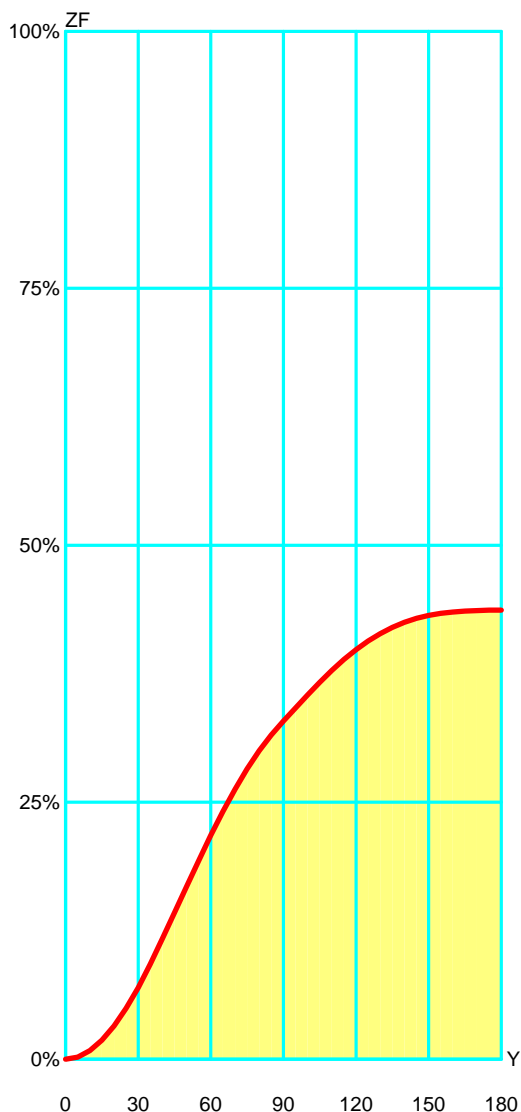
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	8	32	70	117	168	218	263	300	329	354	378	398	414	425	432	435	436	437

CIE Flux Codes

38 66 86 75 44

C.I.E. 7
 D DIN 5040 B21
 F UTE 0.33 H + 0.11 T
 B NBN BZ 6
 RN 24.70535 %
 BLF 1.0

LOR 43.69721 %
 ULOR 10.79555 %
 DLOR 32.90166 %
 UFF 24.70535 %
 DFF 75.29465 %
 FFR 32.81156 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	2.11	2.11	0.48 %	0.48 %
10°	6.25	8.35	1.43 %	1.91 %
15°	10.21	18.56	2.34 %	4.25 %
20°	13.87	32.43	3.17 %	7.42 %
25°	17.16	49.59	3.93 %	11.35 %
30°	20.09	69.68	4.60 %	15.95 %
35°	22.89	92.58	5.24 %	21.19 %
40°	24.85	117.43	5.69 %	26.87 %
45°	25.33	142.76	5.80 %	32.67 %
50°	25.32	168.08	5.80 %	38.46 %
55°	25.19	193.27	5.76 %	44.23 %
60°	24.51	217.78	5.61 %	49.84 %
65°	23.29	241.08	5.33 %	55.17 %
70°	21.68	262.75	4.96 %	60.13 %
75°	19.78	282.53	4.53 %	64.66 %
80°	17.61	300.14	4.03 %	68.69 %
85°	15.34	315.49	3.51 %	72.20 %
90°	13.53	329.02	3.10 %	75.29 %
95°	12.80	341.82	2.93 %	78.22 %
100°	12.64	354.46	2.89 %	81.12 %
105°	12.24	366.69	2.80 %	83.92 %
110°	11.57	378.26	2.65 %	86.56 %
115°	10.66	388.92	2.44 %	89.00 %
120°	9.57	398.49	2.19 %	91.19 %
125°	8.40	406.89	1.92 %	93.12 %
130°	7.21	414.09	1.65 %	94.76 %
135°	6.04	420.14	1.38 %	96.15 %
140°	4.92	425.05	1.13 %	97.27 %
145°	3.85	428.90	0.88 %	98.15 %
150°	2.85	431.76	0.65 %	98.81 %
155°	2.00	433.75	0.46 %	99.26 %
160°	1.33	435.09	0.31 %	99.57 %
165°	0.85	435.93	0.19 %	99.76 %
170°	0.55	436.48	0.13 %	99.89 %
175°	0.36	436.85	0.08 %	99.97 %
180°	0.12	436.97	0.03 %	100.00 %

Luminaire		Measurem.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

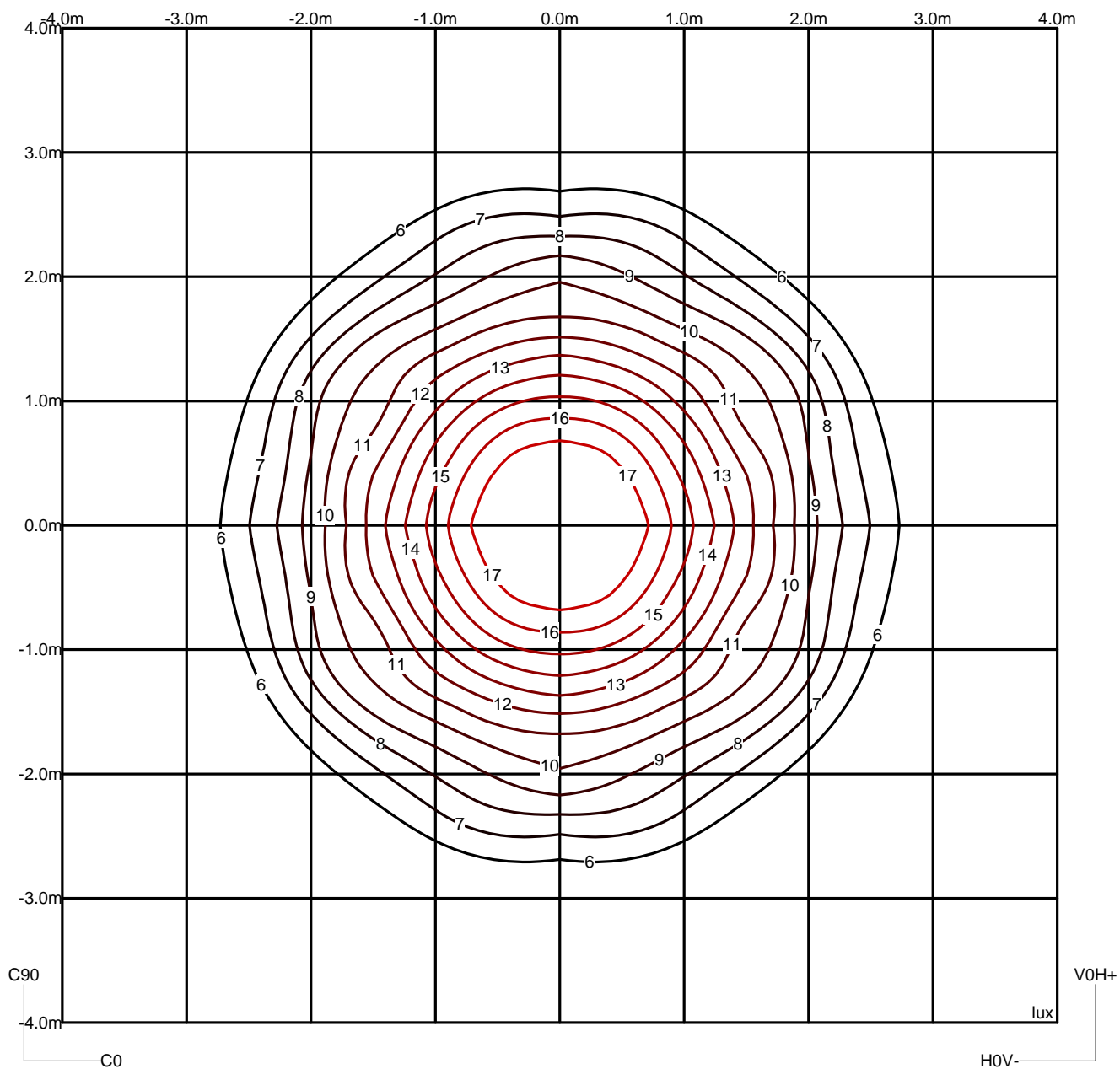
UGR
 S = 0.250

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	8.3	9.4	8.9	10.0	10.7	8.2	9.3	8.8	9.9	10.7
x=2H y=3H	10.2	11.2	10.8	11.9	12.5	10.0	11.1	10.7	11.7	12.5
x=2H y=4H	11.1	12.1	11.8	12.7	13.4	11.0	11.9	11.6	12.6	13.4
x=2H y=6H	12.0	12.9	12.7	13.6	14.2	11.9	12.7	12.5	13.4	14.2
x=2H y=8H	12.4	13.3	13.1	14.0	14.6	12.2	13.1	12.9	13.8	14.6
x=2H y=12H	12.8	13.7	13.5	14.4	15.0	12.6	13.5	13.3	14.2	15.0
x=4H y=2H	8.9	9.9	9.6	10.5	11.3	8.8	9.8	9.5	10.5	11.3
x=4H y=3H	11.0	11.8	11.7	12.5	13.2	10.9	11.7	11.6	12.4	13.2
x=4H y=4H	12.1	12.8	12.8	13.5	14.3	11.9	12.7	12.6	13.4	14.3
x=4H y=6H	13.1	13.8	13.9	14.5	15.2	13.0	13.6	13.7	14.4	15.2
x=4H y=8H	13.6	14.2	14.3	15.0	15.7	13.4	14.0	14.2	14.8	15.7
x=4H y=12H	14.1	14.7	14.9	15.4	16.2	13.9	14.5	14.7	15.2	16.2
x=8H y=4H	12.4	13.0	13.2	13.8	14.6	12.3	12.9	13.1	13.7	14.6
x=8H y=6H	13.6	14.1	14.4	14.9	15.7	13.5	14.0	14.3	14.8	15.7
x=8H y=8H	14.3	14.7	15.1	15.5	16.4	14.1	14.6	14.9	15.4	16.4
x=8H y=12H	14.9	15.3	15.7	16.1	16.9	14.8	15.1	15.6	16.0	16.9
x=12H y=4H	12.5	13.0	13.3	13.8	14.6	12.4	12.9	13.1	13.7	14.6
x=12H y=6H	13.8	14.2	14.6	15.0	15.9	13.6	14.1	14.4	14.9	15.9
x=12H y=8H	14.5	14.8	15.3	15.6	16.5	14.3	14.7	15.1	15.5	16.5

Luminaire		Measurem.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire				Measurem.				Lamp			
Code	5190			Code	5190			Code		STANDARD S 60W E27	
Name	Floor lamp long cotton shade			Name	Floor lamp long cotton shade			Number	3		
Line	VIBIA-Balance			Date	20-09-2012			Position	Universal		
Efficiency	43.70%			Coordinate system	C-G			Total Flux	1920.00 lm		

Utilizations CIE

Mounting	Direct			114-Norm type Normalised								Suspension Ratio 1/3								Standard CIE Settings																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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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	195	186	174	166	181	162	142	134	131	124	110	101	94	86	120	102	99	89	84	97	85	82	75										
0.80	225	216	196	189	209	183	170	161	153	146	131	122	115	105	140	122	118	108	103	115	103	99	90										
1.00	247	238	211	204	229	198	191	182	169	162	148	138	131	121	155	137	134	123	118	130	117	112	102										
1.25	268	260	224	219	249	211	213	203	185	178	164	154	147	137	170	152	149	138	133	143	131	125	114										
1.50	285	277	235	229	265	222	230	221	197	190	177	168	161	150	181	165	161	151	145	155	143	136	123										
2.00	306	299	247	242	285	234	254	246	213	207	195	186	180	170	196	181	178	169	163	170	159	151	137										
2.50	322	315	255	251	300	243	272	264	224	219	208	200	194	185	207	194	191	182	177	182	172	163	147										
3.00	333	327	261	258	311	249	285	278	233	228	218	211	205	196	215	203	200	192	187	191	181	172	155										
4.00	351	347	272	270	329	261	307	301	247	244	235	229	223	216	230	219	217	210	205	206	198	187	168										
5.00	365	361	282	280	343	271	323	318	259	256	247	242	237	231	241	232	230	223	219	218	210	199	179										
10.00	403	401	309	308	381	299	369	365	292	290	285	282	278	274	274	268	267	262	260	253	248	234	213										
20.00	434	433	335	334	412	325	405	403	320	320	316	314	312	309	303	299	298	295	294	283	280	265	242										

Working Pl.

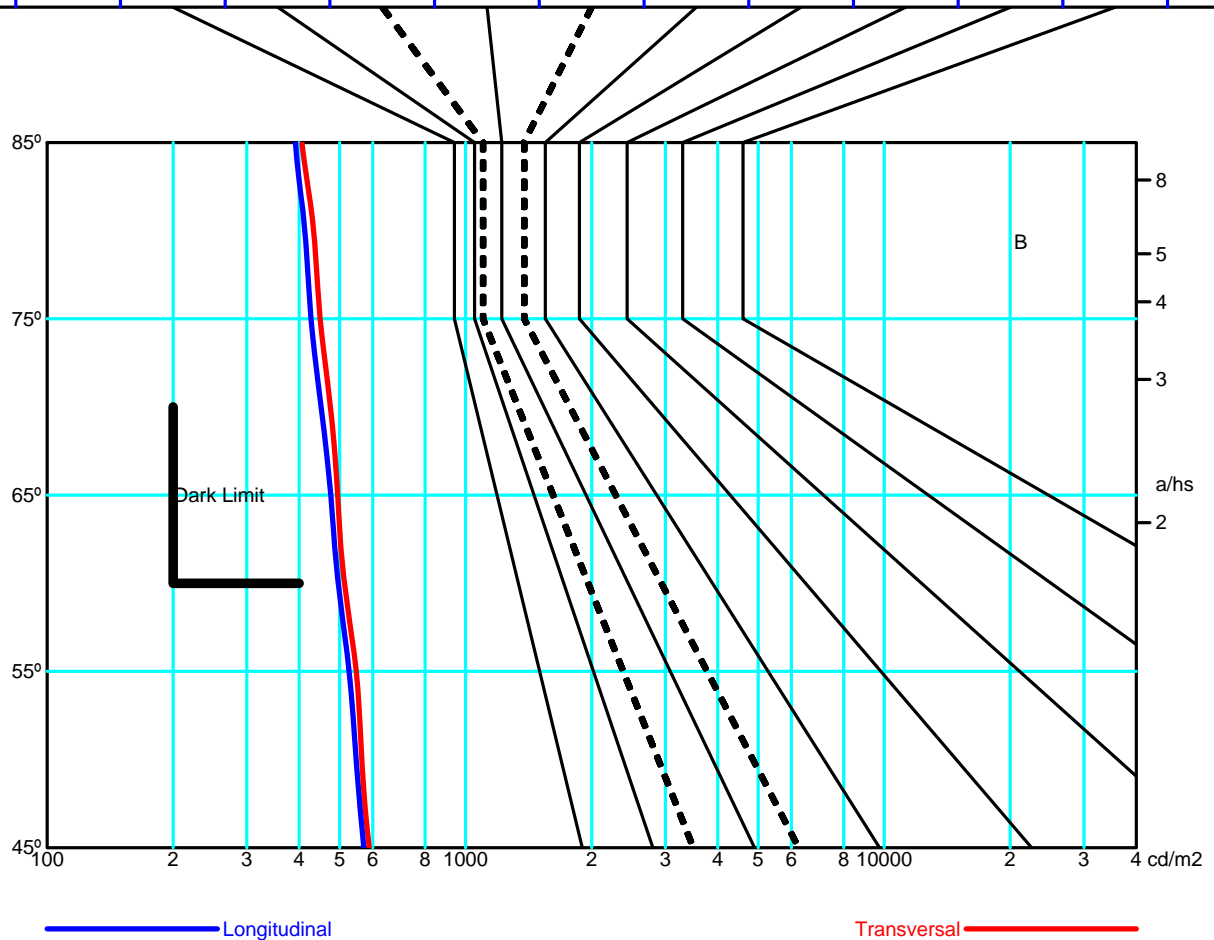
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000										
0.60	217	207	202	194	201	188	154	146	148	141	121	112	101	93	136	113	109	95	91	107	91	88	80										
0.80	260	249	240	231	240	224	192	182	183	175	155	144	133	122	167	143	139	124	119	135	118	113	104										
1.00	295	284	269	260	272	251	224	214	212	203	183	171	161	148	193	169	164	150	143	158	141	135	126										
1.25	328	318	296	288	303	277	257	245	241	232	212	199	189	175	219	195	190	176	169	182	166	157	147										
1.50	354	343	316	309	327	297	282	271	262	254	235	222	212	198	239	216	211	197	190	201	185	175	165										
2.00	391	382	345	339	362	325	322	311	295	287	270	258	249	234	269	249	244	231	223	231	216	203	192										
2.50	416	408	363	358	386	344	350	339	317	310	295	283	275	261	290	271	267	255	247	251	238	223	212										
3.00	434	427	376	372	403	357	370	360	333	327	313	302	294	281	305	288	284	273	266	267	254	238	226										
4.00	458	452	393	389	426	374	398	389	354	349	336	327	320	309	324	310	306	297	291	287	276	257	245										
5.00	473	468	403	400	440	384	416	408	367	363	352	344	338	327	337	324	321	313	307	300	290	270	257										
10.00	506	503	425	424	472	407	457	453	397	395	387	383	378	372	366	358	356	350	347	330	324	300	286										
20.00	525	523	437	436	491	420	482	480	414	413	409	406	403	400	382	378	377	373	371	349	345	319	305										

LM53 SHR C0-C180: 1.324 SHR C90-C270: 1.387 SHR Square: 1.445

Luminaire		Measur.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Average Luminance [cd/m ²]										
0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
588.3	564.9	547.8	513.3	494.6	475.2	449.1	433.3	406.0	---	
571.3	547.5	526.8	495.9	476.1	451.6	427.1	412.9	392.2	---	

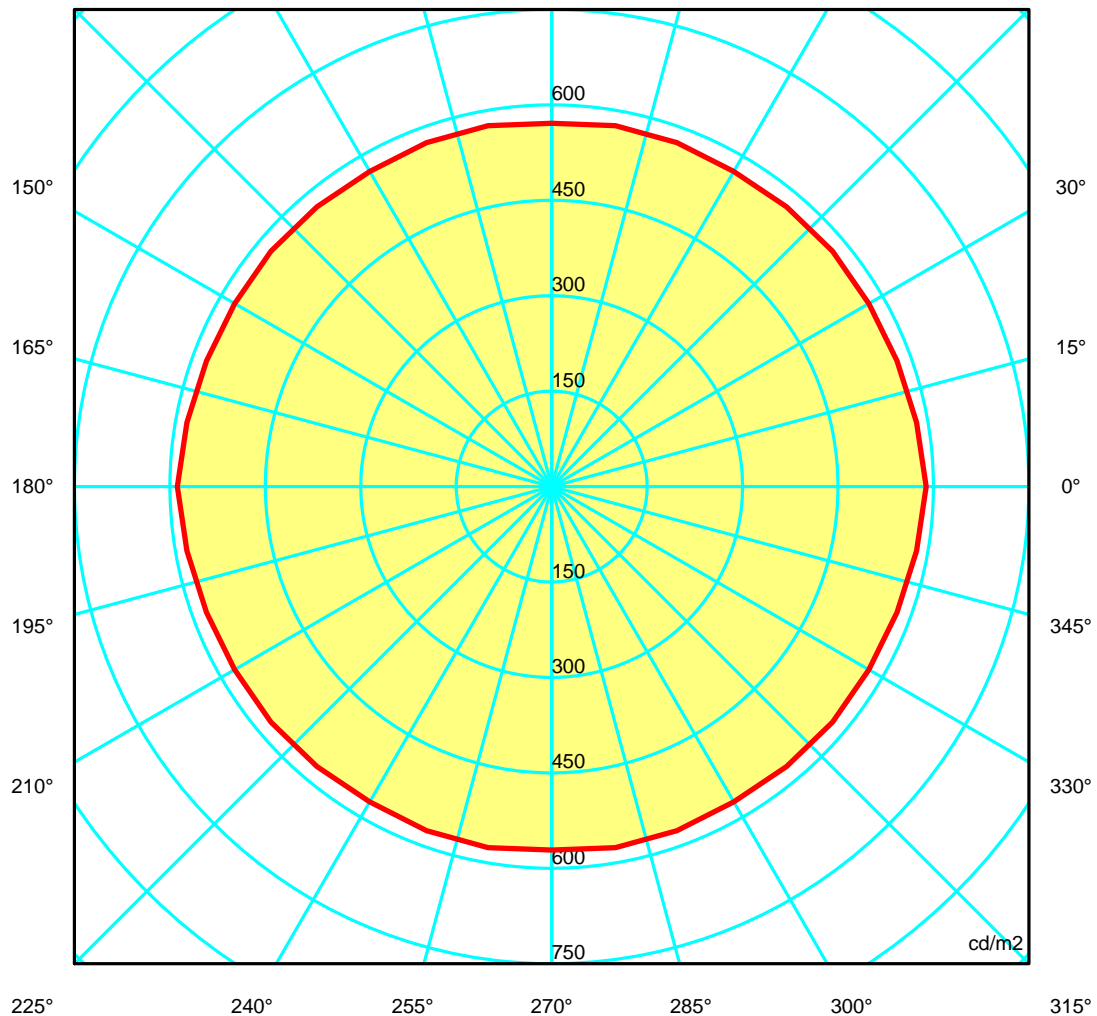
Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire		Measur.		Lamp	
Code	5190	Code	5190	Code	STANDARD S 60W E27
Name	Floor lamp long cotton shade	Name	Floor lamp long cotton shade	Number	3
Line	VIBIA-Balance	Date	20-09-2012	Position	Universal
Efficiency	43.70%	Coordinate system	C-G	Total Flux	1920.00 lm

Luminance												
G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	863.23	863.23	863.23	863.23	863.23	863.23	863.23	863.23	863.23	863.23	863.23	863.23
5°	821.40	819.99	822.90	820.98	822.90	819.99	821.40	819.99	822.90	820.98	822.90	819.99
10°	792.26	782.83	785.58	786.08	785.58	782.83	792.26	782.83	785.58	786.08	785.58	782.83
15°	756.10	747.90	751.75	747.46	751.75	747.90	756.10	747.90	751.75	747.46	751.75	747.90
20°	727.52	714.88	718.55	716.18	718.55	714.88	727.52	714.88	718.55	716.18	718.55	714.88
25°	701.50	686.22	688.27	689.77	688.27	686.22	701.50	686.22	688.27	689.77	688.27	686.22
30°	670.89	659.22	659.72	661.28	659.72	659.22	670.89	659.22	659.72	661.28	659.72	659.22
35°	647.07	636.54	636.54	636.54	636.54	636.54	647.07	636.54	636.54	636.54	636.54	636.54
40°	624.86	638.21	609.53	617.50	609.53	638.21	624.86	638.21	609.53	617.50	609.53	638.21
45°	588.34	575.53	572.14	571.26	572.14	575.53	588.34	575.53	572.14	571.26	572.14	575.53
50°	564.90	549.29	547.56	547.54	547.56	549.29	564.90	549.29	547.56	547.54	547.56	549.29
55°	547.79	523.83	521.42	526.78	521.42	523.83	547.79	523.83	521.42	526.78	521.42	523.83
60°	513.27	501.57	495.08	495.90	495.08	501.57	513.27	501.57	495.08	495.90	495.08	501.57
65°	494.59	478.46	475.75	476.08	475.75	478.46	494.59	478.46	475.75	476.08	475.75	478.46
70°	475.24	453.56	449.33	451.55	449.33	453.56	475.24	453.56	449.33	451.55	449.33	453.56
75°	449.13	429.98	425.06	427.09	425.06	429.98	449.13	429.98	425.06	427.09	425.06	429.98
80°	433.27	410.53	411.29	412.87	411.29	410.53	433.27	410.53	411.29	412.87	411.29	410.53
85°	405.99	395.00	392.57	392.17	392.57	395.00	405.99	395.00	392.57	392.17	392.57	395.00
90°	410.70	408.01	407.18	409.65	407.18	408.01	410.70	408.01	407.18	409.65	407.18	408.01

C Halfplanes 90° 75° 60° 45°



45.0°