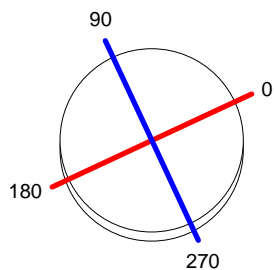


<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm
Maximum value	150.52 cd/klm	Position	C=90.00 G=25.00	Double Symmetrical	
Round Luminaire	Diam.	260 mm	Height	640 mm	
Round Luminous Area	Diam.	210 mm	Height	0 mm	
Horizontal Luminous Area	0.034636 m2	Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°		0.008379 m2	
Symmetry Type	Double Symmetrical		Maximum Gamma Angle		90
Measurement Distance	6.44		Measurement Flux		960.00 lm
Operator	Asselum T2		Source voltage		230.00 V
Temperature	23.00 °C		Source current		
Humidity	46.00 %		Photocell		PRC
Notes					

Luminaire Lamps					
Line	Code	Name	Fluxlm	Pow.W	Qta
SYLVANIA ILCOS FBT/G/C,FSQ,FSD	0024772	MINI-LINX E27	850.00	15.00	1
C.I.E.	52 84 97 100 41	D DIN 5040		A40	
F UTE	0.41 D	B NBN		BZ 4	

Diam=260mm

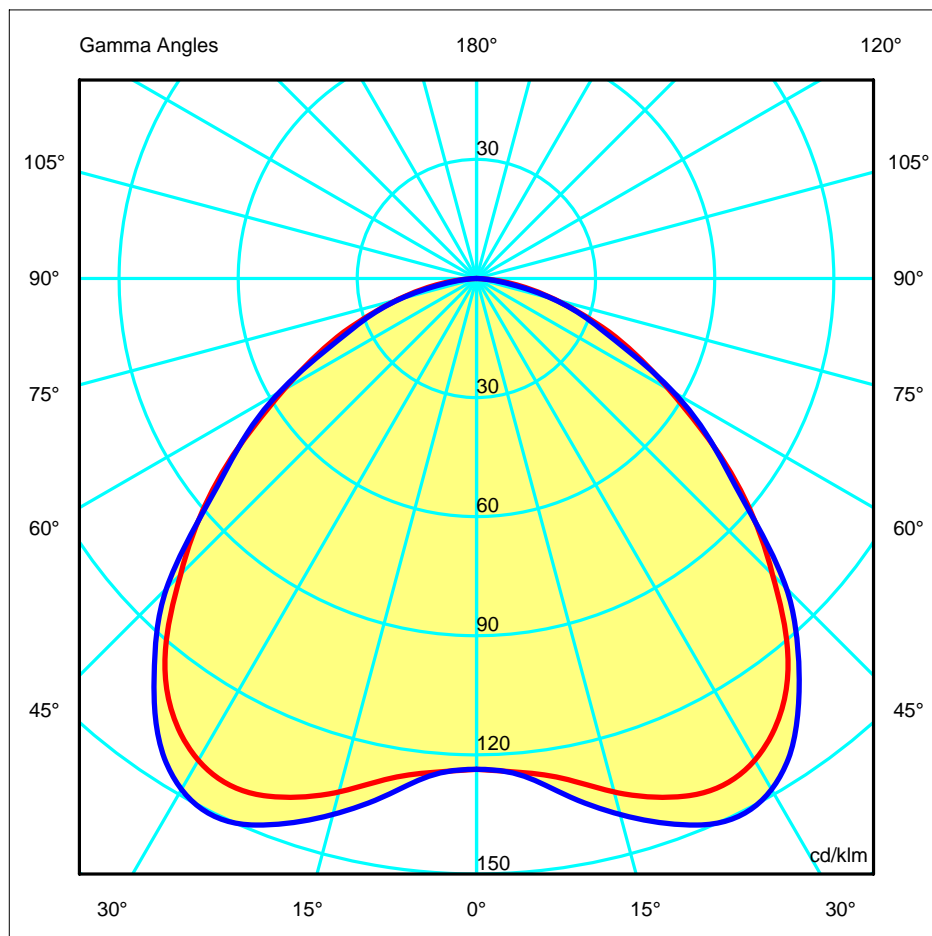


C Halfplanes

180.0 — 0.0

270.0 — 90.0

ULOR 0.00 %  
 DLOR 41.08 %  
 RN 0.00 %



<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>			
Code	1336	Code	1336	Code	0024772		
Name	Hanging lamp short	Name	Hanging lamp short	Number	1		
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal		
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 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	123.61	123.61	123.61	123.61	123.61	123.61	123.61
G 5.0	124.82	125.01	125.59	125.20	125.97	125.35	125.45
G 10.0	127.96	129.38	129.85	130.25	131.19	131.67	132.34
G 15.0	133.87	134.57	135.99	136.72	138.55	138.23	139.76
G 20.0	139.04	139.34	141.59	141.79	145.54	144.22	146.27
G 25.0	141.88	141.18	143.77	144.06	148.49	147.13	150.52
G 30.0	140.10	138.40	141.18	141.26	146.11	144.85	148.59
G 35.0	133.56	130.75	133.01	132.93	137.99	136.44	139.97
G 40.0	121.86	116.68	120.10	120.51	124.96	122.64	126.12
G 45.0	105.36	102.17	103.73	103.62	107.17	107.09	110.40
G 50.0	89.62	83.48	86.71	85.64	89.70	87.59	88.43
G 55.0	72.17	67.23	69.02	69.95	71.96	70.39	72.44
G 60.0	56.05	52.96	53.54	53.89	55.47	55.79	57.38
G 65.0	43.26	39.25	40.81	39.78	42.10	40.18	40.75
G 70.0	31.29	28.04	28.60	28.65	29.74	28.95	29.74
G 75.0	20.28	18.50	18.10	18.58	18.59	19.49	20.03
G 80.0	12.12	9.46	10.10	9.60	10.52	9.24	9.64
G 85.0	3.98	3.22	3.30	3.02	3.21	3.27	3.32
G 90.0	0.30	0.30	0.29	0.29	0.30	0.29	0.29

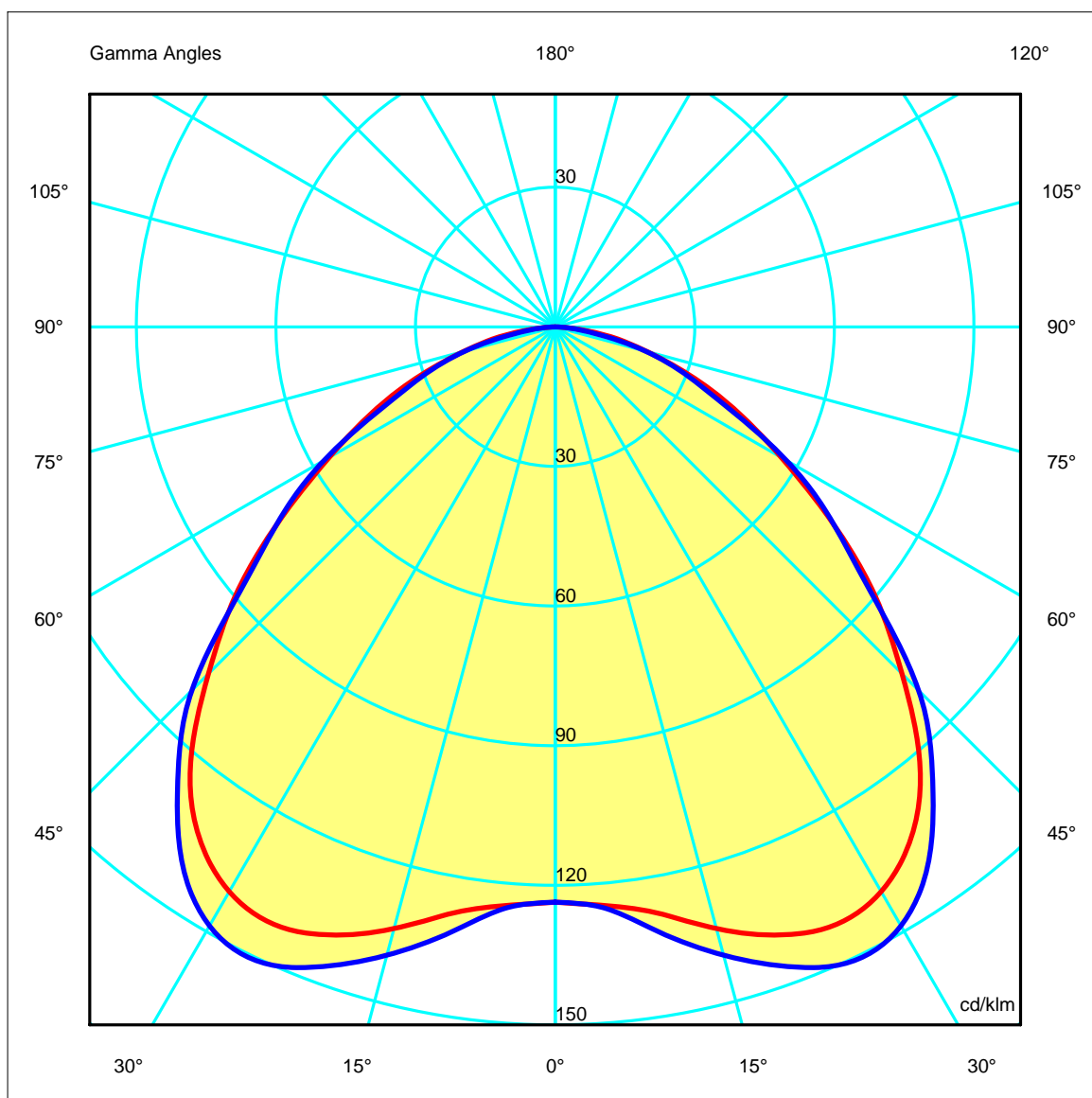
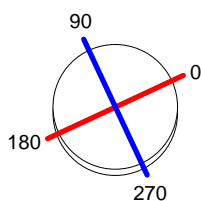
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

Diam=260mm

C Halfplanes

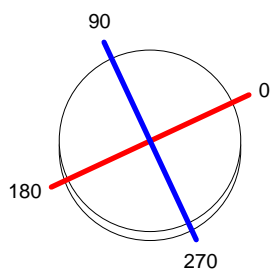
180.0 ————— 0.0

270.0 ————— 90.0



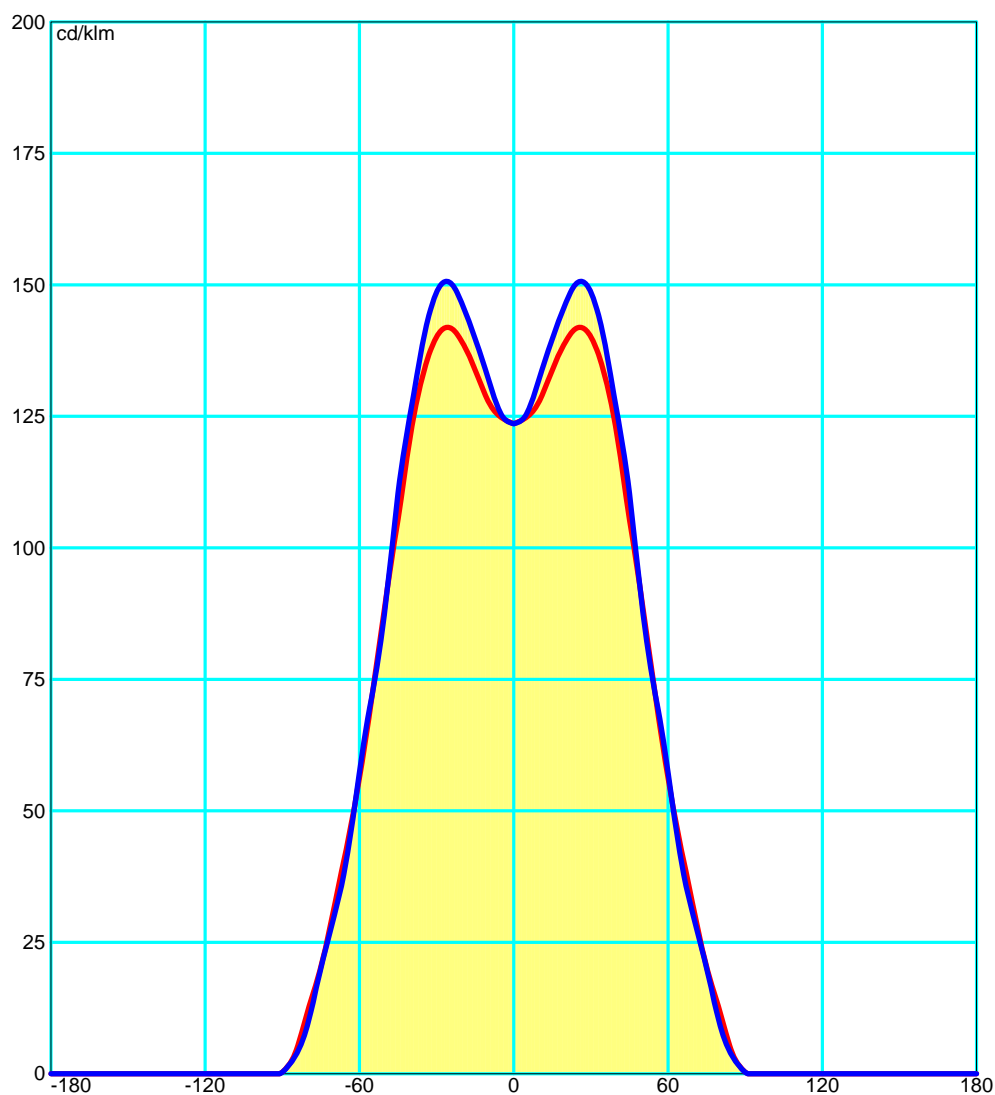
<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

Diam=260mm



C Halfplanes

180.0 ————— 0.0  
 270.0 ————— 90.0

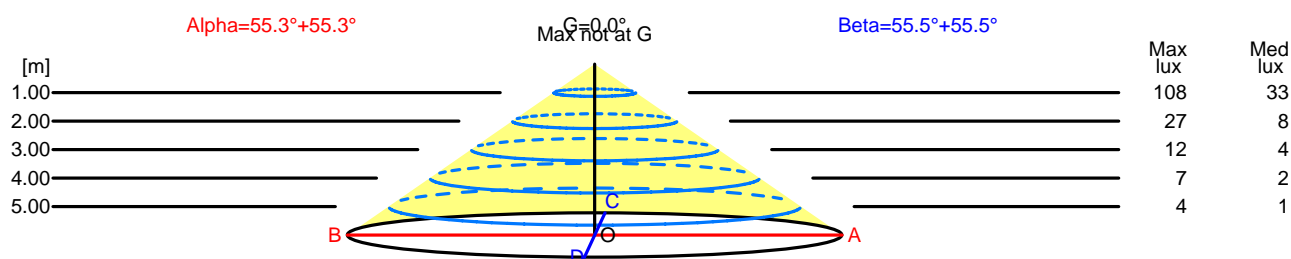


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

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	1.45	2.89	4.34	5.79	7.23	OC	1.46	2.91	4.37	5.82	7.28
OB	1.45	2.89	4.34	5.79	7.23	OD	1.46	2.91	4.37	5.82	7.28

	0	5	15	25	35	45	55	65	75	85
OA	123.61	124.82	133.87	141.88	133.56	105.36	72.17	43.26	20.28	3.98
OB	123.61	124.82	133.87	141.88	133.56	105.36	72.17	43.26	20.28	3.98
OC	123.61	125.45	139.76	150.52	139.97	110.40	72.44	40.75	20.03	3.32
OD	123.61	125.45	139.76	150.52	139.97	110.40	72.44	40.75	20.03	3.32



H[m]	D[m]	Max lux	Med lux	Alpha=55.3°+55.3°	G=0.0° Max not at G	
1.00	2.89	108	33			
2.00	5.79	27	8			
3.00	8.68	12	4			
4.00	11.57	7	2			
5.00	14.47	4	1			

H[m]	D[m]	Max lux	Med lux	Beta=55.5°+55.5°	G=0.0° Max not at G	
1.00	2.91	108	33			
2.00	5.82	27	8			
3.00	8.74	12	4			
4.00	11.65	7	2			
5.00	14.56	4	1			

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

Total Flux=850.00 Luminaire Flux=349.14

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	0.34	0.43	0.50	0.58	0.63	0.72	0.77	0.81	0.85	0.88	0.94	0.97
RC	5	4	4	4	4	4	4	4	4	4	4	4

Zonal Flux per 1000 Lumen

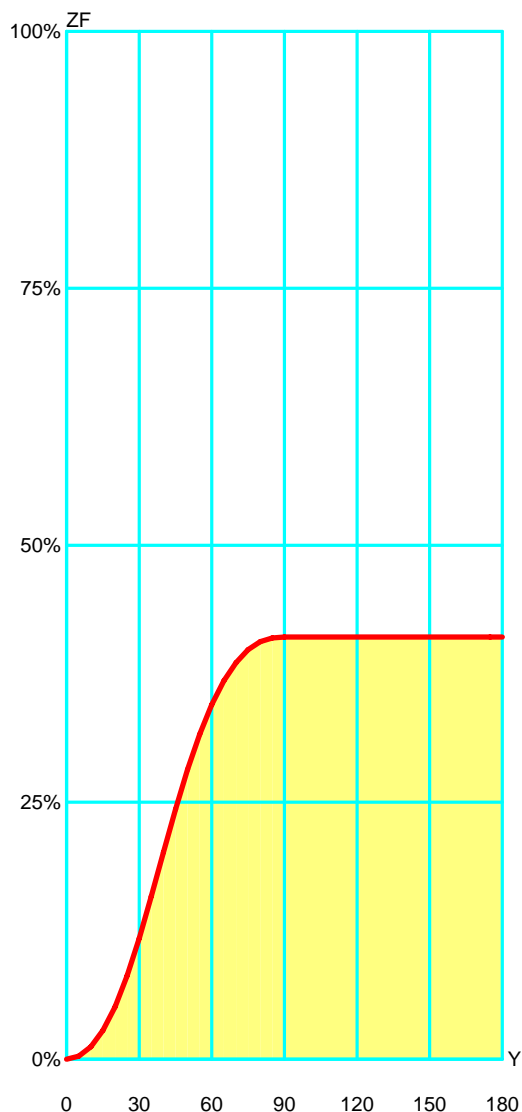
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	12	51	118	201	282	345	386	406	411	411	411	411	411	411	411	411	411	411

CIE Flux Codes

52 84 97 100 41

C.I.E. 5/4/4/4/4/4/4/4/4/4  
D DIN 5040 A40  
F UTE 0.41 D  
B NBN BZ 4  
RN 0.00000 %  
BLF 1.0

LOR 41.07547 %  
ULOR 0.00000 %  
DLOR 41.07547 %  
UFF 0.00000 %  
DFF 100.00000 %  
FFR 0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.98	2.98	0.72 %	0.72 %
10°	9.15	12.13	2.23 %	2.95 %
15°	15.85	27.98	3.86 %	6.81 %
20°	23.02	51.00	5.60 %	12.42 %
25°	30.17	81.17	7.35 %	19.76 %
30°	36.42	117.60	8.87 %	28.63 %
35°	40.84	158.44	9.94 %	38.57 %
40°	42.73	201.17	10.40 %	48.98 %
45°	41.99	243.15	10.22 %	59.20 %
50°	38.86	282.01	9.46 %	68.66 %
55°	34.17	316.18	8.32 %	76.98 %
60°	28.86	345.05	7.03 %	84.00 %
65°	23.20	368.24	5.65 %	89.65 %
70°	17.67	385.91	4.30 %	93.95 %
75°	12.54	398.45	3.05 %	97.00 %
80°	7.73	406.18	1.88 %	98.89 %
85°	3.60	409.78	0.88 %	99.76 %
90°	0.98	410.75	0.24 %	100.00 %
95°	0.00	410.75	0.00 %	100.00 %
100°	0.00	410.75	0.00 %	100.00 %
105°	0.00	410.75	0.00 %	100.00 %
110°	0.00	410.75	0.00 %	100.00 %
115°	0.00	410.75	0.00 %	100.00 %
120°	0.00	410.75	0.00 %	100.00 %
125°	0.00	410.75	0.00 %	100.00 %
130°	0.00	410.75	0.00 %	100.00 %
135°	0.00	410.75	0.00 %	100.00 %
140°	0.00	410.75	0.00 %	100.00 %
145°	0.00	410.75	0.00 %	100.00 %
150°	0.00	410.75	0.00 %	100.00 %
155°	0.00	410.75	0.00 %	100.00 %
160°	0.00	410.75	0.00 %	100.00 %
165°	0.00	410.75	0.00 %	100.00 %
170°	0.00	410.75	0.00 %	100.00 %
175°	0.00	410.75	0.00 %	100.00 %
180°	0.00	410.75	0.00 %	100.00 %

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

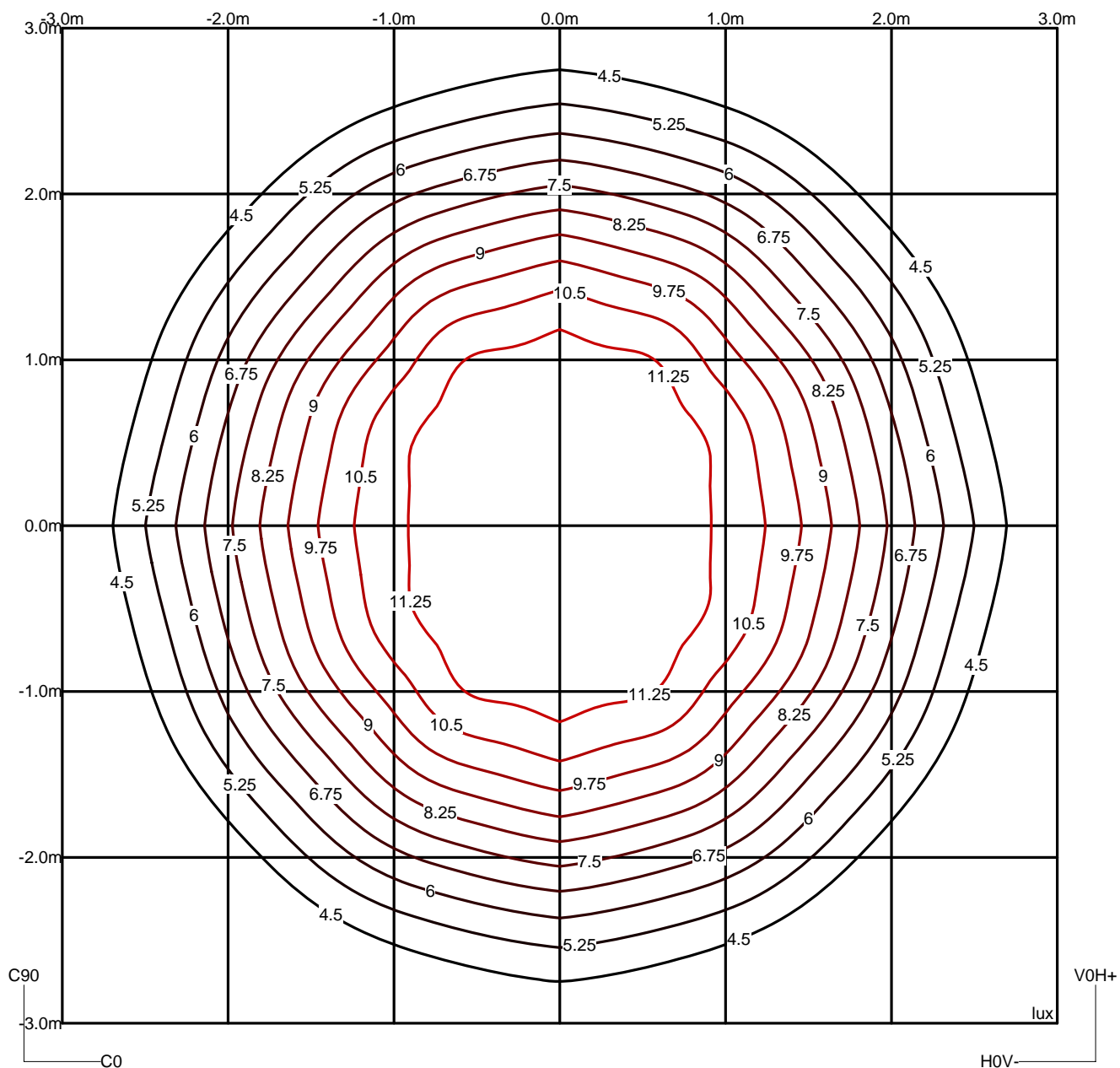
**UGR**  
S = 0.250

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	16.0	17.3	16.3	17.5	18.0	16.3	17.5	16.6	17.8	18.0
x=2H y=3H	17.2	18.3	17.5	18.6	19.0	17.3	18.5	17.6	18.7	19.0
x=2H y=4H	17.6	18.7	17.9	18.9	19.4	17.8	18.8	18.1	19.1	19.4
x=2H y=6H	17.9	18.9	18.2	19.2	19.6	18.0	19.0	18.3	19.3	19.6
x=2H y=8H	18.0	18.9	18.4	19.2	19.6	18.0	19.0	18.4	19.3	19.6
x=2H y=12H	18.0	18.9	18.4	19.2	19.6	18.0	18.9	18.4	19.3	19.6
x=4H y=2H	16.6	17.7	17.0	17.9	18.4	16.8	17.9	17.2	18.1	18.4
x=4H y=3H	17.9	18.8	18.3	19.1	19.6	18.1	19.0	18.4	19.3	19.6
x=4H y=4H	18.4	19.2	18.8	19.6	20.1	18.6	19.4	19.0	19.7	20.1
x=4H y=6H	18.8	19.5	19.2	19.8	20.4	18.9	19.6	19.3	20.0	20.4
x=4H y=8H	18.9	19.5	19.3	19.9	20.4	19.0	19.6	19.4	20.0	20.4
x=4H y=12H	19.0	19.6	19.4	20.0	20.5	19.0	19.6	19.5	20.0	20.5
x=8H y=4H	18.6	19.3	19.1	19.7	20.2	18.8	19.4	19.2	19.8	20.2
x=8H y=6H	19.1	19.6	19.6	20.0	20.6	19.2	19.7	19.7	20.1	20.6
x=8H y=8H	19.3	19.7	19.7	20.2	20.7	19.3	19.8	19.8	20.2	20.7
x=8H y=12H	19.4	19.8	19.8	20.2	20.8	19.4	19.8	19.9	20.2	20.8
x=12H y=4H	18.7	19.2	19.1	19.7	20.2	18.8	19.4	19.2	19.8	20.2
x=12H y=6H	19.1	19.6	19.6	20.0	20.6	19.2	19.7	19.7	20.1	20.6
x=12H y=8H	19.3	19.7	19.8	20.2	20.7	19.4	19.8	19.9	20.2	20.7

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

Isolux (Floor)

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



<b>Luminaire</b>				<b>Measur.</b>				<b>Lamp</b>			
Code	1336			Code	1336			Code	0024772		
Name	Hanging lamp short			Name	Hanging lamp short			Number	1		
Line	VIBIA-Jazz			Date	27-09-2012			Position	Universal		
Efficiency	41.08%			Coordinate system	C-G			Total Flux	850.00 lm		

#### 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	88	79	68	61	75	59	45	38	35	30	19	14	7	5	28	15	13	6	5	13	5	4	0			
0.80	101	93	72	66	88	63	57	50	40	35	22	18	10	7	32	19	17	8	7	16	7	6	0			
1.00	110	103	72	67	98	65	66	59	42	38	25	21	12	9	35	21	20	10	9	19	9	8	0			
1.25	118	111	71	67	106	64	76	69	44	40	28	24	15	12	38	24	22	13	11	21	12	11	0			
1.50	124	118	69	66	112	63	84	77	45	41	30	26	17	14	39	26	25	15	14	23	14	13	0			
2.00	131	126	65	62	120	60	96	89	45	42	32	29	21	18	40	29	28	19	18	26	18	16	0			
2.50	136	132	61	60	126	58	104	98	45	43	34	31	24	22	41	31	30	22	21	29	21	19	0			
3.00	140	136	59	57	130	56	110	105	45	43	35	33	27	24	41	33	31	25	23	30	23	22	0			
4.00	145	142	56	55	136	54	120	115	45	44	37	35	30	28	42	35	34	28	27	33	27	25	0			
5.00	148	145	54	53	139	52	126	122	45	44	38	37	32	30	42	36	35	31	29	34	29	28	0			
10.00	155	154	50	50	147	49	140	137	45	44	41	40	38	36	43	39	39	36	35	38	35	34	0			
20.00	158	158	47	47	152	47	147	146	45	44	43	42	41	40	43	41	41	39	39	40	38	37	0			

#### 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	187	182	162	159	179	157	141	138	127	124	106	104	91	91	123	105	104	91	90	104	90	82											
0.80	208	203	175	172	200	169	162	159	141	139	121	119	106	105	137	119	118	105	105	118	105	94											
1.00	222	217	181	178	212	175	177	173	150	147	131	128	116	115	145	128	127	115	114	126	114	102											
1.25	233	229	184	182	223	179	190	186	156	154	139	136	125	123	151	136	135	123	123	134	122	109											
1.50	241	237	186	184	230	181	200	196	161	159	145	142	131	130	156	142	141	130	129	139	128	114											
2.00	248	244	184	182	237	179	211	206	163	161	149	147	137	136	157	146	145	135	134	143	134	117											
2.50	252	249	181	180	240	177	218	214	163	162	151	149	141	139	158	148	147	139	138	145	137	119											
3.00	254	251	178	177	242	174	222	218	162	161	152	150	143	141	157	148	148	140	139	145	138	119											
4.00	260	257	177	177	247	174	231	227	164	163	156	154	148	147	159	152	151	145	144	148	142	122											
5.00	264	262	178	177	251	174	237	234	167	166	159	158	153	151	161	155	155	149	148	151	146	124											
10.00	276	275	181	181	263	178	255	253	173	173	169	168	165	164	168	164	164	161	160	160	157	133											
20.00	282	282	182	182	269	179	265	263	177	177	175	174	172	172	172	170	169	168	167	165	163	138											

#### Working Pl.

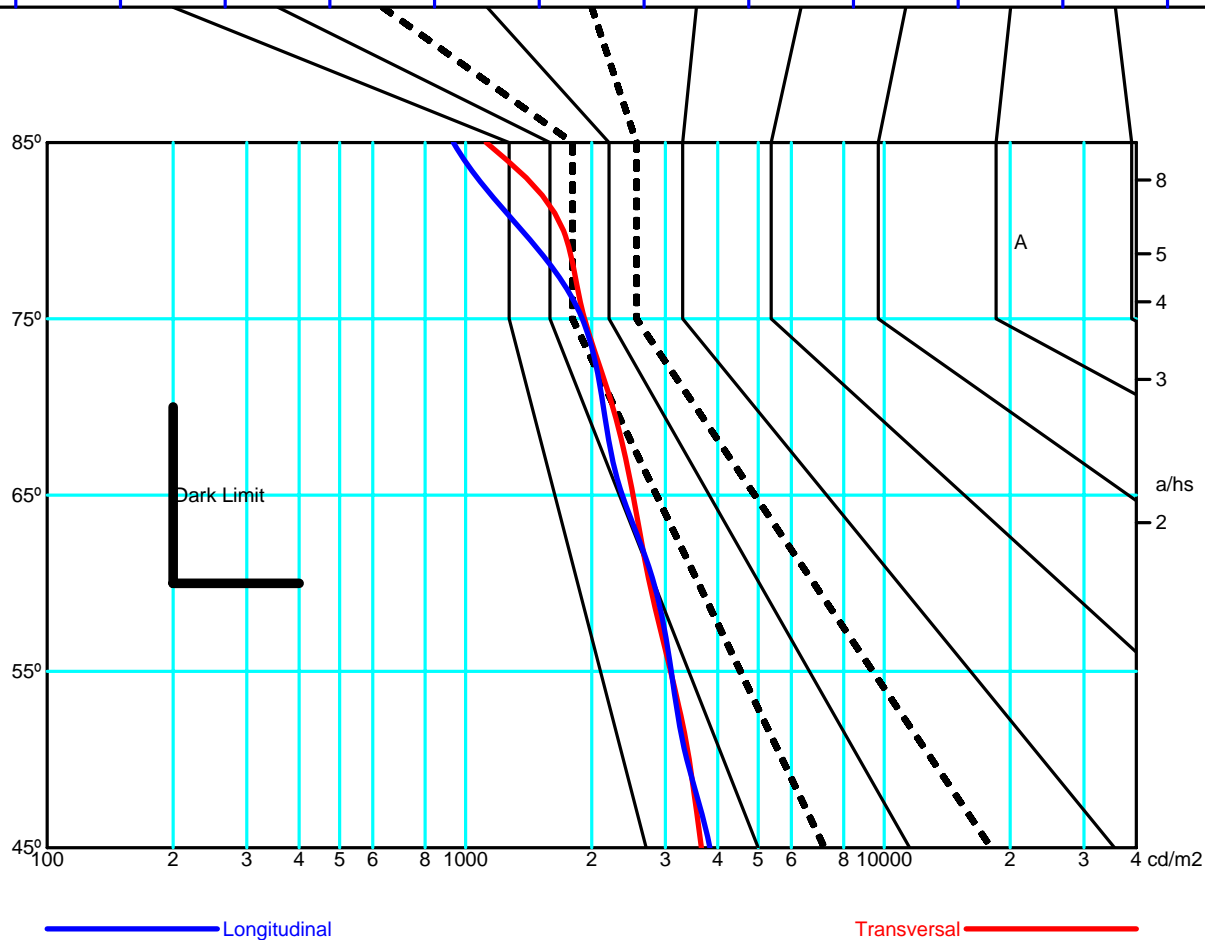
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000										
0.60	253	248	236	232	245	230	198	195	191	189	165	163	146	145	187	163	162	145	145	162	145	138											
0.80	298	293	275	271	288	268	242	238	231	228	204	202	184	183	225	201	201	183	182	200	182	175											
1.00	334	328	304	300	321	297	277	272	262	259	236	234	216	215	256	233	232	215	214	231	214	206											
1.25	366	360	330	327	352	322	311	306	291	288	267	264	248	246	284	263	262	246	245	260	244	236											
1.50	390	384	348	345	375	341	336	331	313	310	290	287	272	269	305	285	284	269	268	282	267	259											
2.00	424	419	374	371	408	367	375	369	344	341	324	321	308	306	335	319	318	305	303	315	302	294											
2.50	446	441	389	387	429	382	400	394	363	361	346	343	332	329	354	340	339	328	326	335	324	316											
3.00	461	457	399	398	443	393	418	413	376	374	362	359	349	346	368	355	354	344	343	350	340	332											
4.00	480	476	411	410	461	405	440	436	392	390	380	378	370	367	383	373	372	364	363	367	359	355											
5.00	491	488	418	417	472	412	454	450	401	400	391	389	382	380	392	384	383	376	375	377	371	366											
10.00	514	513	432	432	495	427	485	482	421	420	415	414	410	408	411	407	406	402	401	399	395	389											
20.00	527	526	439	439	507	434	502	500	431	431	428	427	425	424	422	419	419	417	416	411	409	397											

LM53 SHR C0-C180: 1.563 SHR C90-C270: 1.591 SHR Square: 1.515

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	1336	Code	1336	Code	0024772
Name	Hanging lamp short	Name	Hanging lamp short	Number	1
Line	VIBIA-Jazz	Date	27-09-2012	Position	Universal
Efficiency	41.08%	Coordinate system	C-G	Total Flux	850.00 lm

	Average Luminance [cd/m²]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0°	3656.7	3421.4	3087.9	2750.8	2511.9	2244.8	1922.6	1713.3	1119.6	---
90°	3831.4	3376.1	3099.4	2816.4	2366.5	2133.6	1899.3	1362.8	934.7	---

Flush mounted or longitudinal 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**

Code 1336  
 Name Hanging lamp short  
 Line VIBIA-Jazz

**Measur.**

Code 1336  
 Name Hanging lamp short  
 Date 27-09-2012

**Lamp**

Code 0024772  
 Number 1  
 Position Universal

Efficiency 41.08%

Coordinate system C-G

Total Flux 850.00 lm

**Luminance**

G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62	3033.62
5°	3074.93	3093.91	3103.34	3090.54	3103.34	3093.91	3074.93	3093.91	3103.34	3090.54	3103.34	3093.91
10°	3188.63	3235.73	3269.10	3297.83	3269.10	3235.73	3188.63	3235.73	3269.10	3297.83	3269.10	3235.73
15°	3401.28	3454.97	3520.05	3550.78	3520.05	3454.97	3401.28	3454.97	3520.05	3550.78	3520.05	3454.97
20°	3631.25	3697.82	3800.96	3819.95	3800.96	3697.82	3631.25	3697.82	3800.96	3819.95	3800.96	3697.82
25°	3841.87	3892.98	4020.89	4075.82	4020.89	3892.98	3841.87	3892.98	4020.89	4075.82	4020.89	3892.98
30°	3970.11	4000.76	4140.32	4210.54	4140.32	4000.76	3970.11	4000.76	4140.32	4210.54	4140.32	4000.76
35°	4001.41	3984.94	4134.03	4193.23	4134.03	3984.94	4001.41	3984.94	4134.03	4193.23	4134.03	3984.94
40°	3903.94	3847.56	4003.23	4040.44	4003.23	3847.56	3903.94	3847.56	4003.23	4040.44	4003.23	3847.56
45°	3656.68	3600.20	3719.39	3831.42	3719.39	3600.20	3656.68	3600.20	3719.39	3831.42	3719.39	3600.20
50°	3421.42	3310.43	3424.60	3376.14	3424.60	3310.43	3421.42	3310.43	3424.60	3376.14	3424.60	3310.43
55°	3087.95	2952.88	3079.07	3099.44	3079.07	2952.88	3087.95	2952.88	3079.07	3099.44	3079.07	2952.88
60°	2750.81	2628.05	2722.35	2816.41	2722.35	2628.05	2750.81	2628.05	2722.35	2816.41	2722.35	2628.05
65°	2511.90	2370.00	2444.46	2366.51	2444.46	2370.00	2511.90	2370.00	2444.46	2366.51	2444.46	2370.00
70°	2244.80	2051.91	2133.88	2133.62	2133.88	2051.91	2244.80	2051.91	2133.88	2133.62	2133.88	2051.91
75°	1922.59	1716.26	1762.35	1899.29	1762.35	1716.26	1922.59	1716.26	1762.35	1899.29	1762.35	1716.26
80°	1713.35	1428.07	1487.20	1362.81	1487.20	1428.07	1713.35	1428.07	1487.20	1362.81	1487.20	1428.07
85°	1119.63	930.20	903.54	934.67	903.54	930.20	1119.63	930.20	903.54	934.67	903.54	930.20

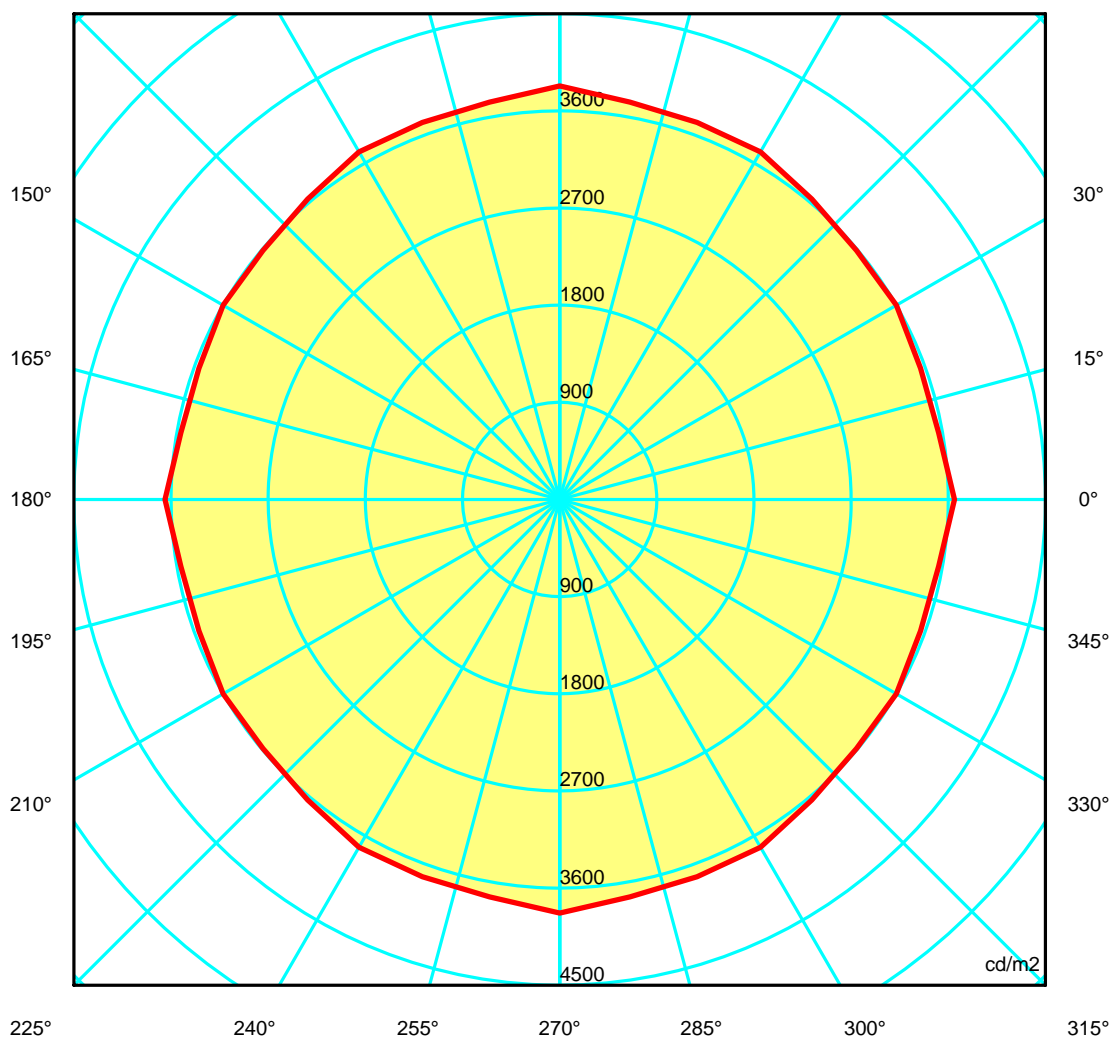
C Halfplanes

90°

75°

60°

45°



45.0°