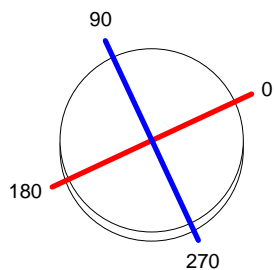


Luminaire		Measurem.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm
Maximum value	1916.65 cd/klm	Position	C=0.00 G=0.00	Double Symmetrical	
Round Luminaire	Diam.	120 mm	Height	450 mm	
Round Luminous Area	Diam.	100 mm	Height	1 mm	
Horizontal Luminous Area	0.007854 m2	Emitting area on Plane 180°		0.000100 m2	
Emitting area on Plane 0°	0.000100 m2	Emitting area on Plane 270°		0.000100 m2	
Emitting area on Plane 90°	0.000100 m2	Glare area at 76°		0.001997 m2	
Symmetry Type	Double Symmetrical	Maximum Gamma Angle		90	
Measurement Distance	6.44	Measurement Flux		882.00 lm	
Operator	Asselum	Source voltage		230.00 V	
Temperature	25.00 °C	Source current		PRC	
Humidity	51.00 %	Photocell			
Notes					

Luminaire Lamps					
Line	Code	Name	Fluxlm	Pow.W	Qta
SYLVANIA ILCOS HS, HM, HD, HR	0021231	HI-SPOT 95 ALU FLOOD	1060.00	75.00	1
C.I.E.	75 93 99 100 94	D DIN 5040		A60	
F UTE	0.94 B	B NBN		BZ 1	

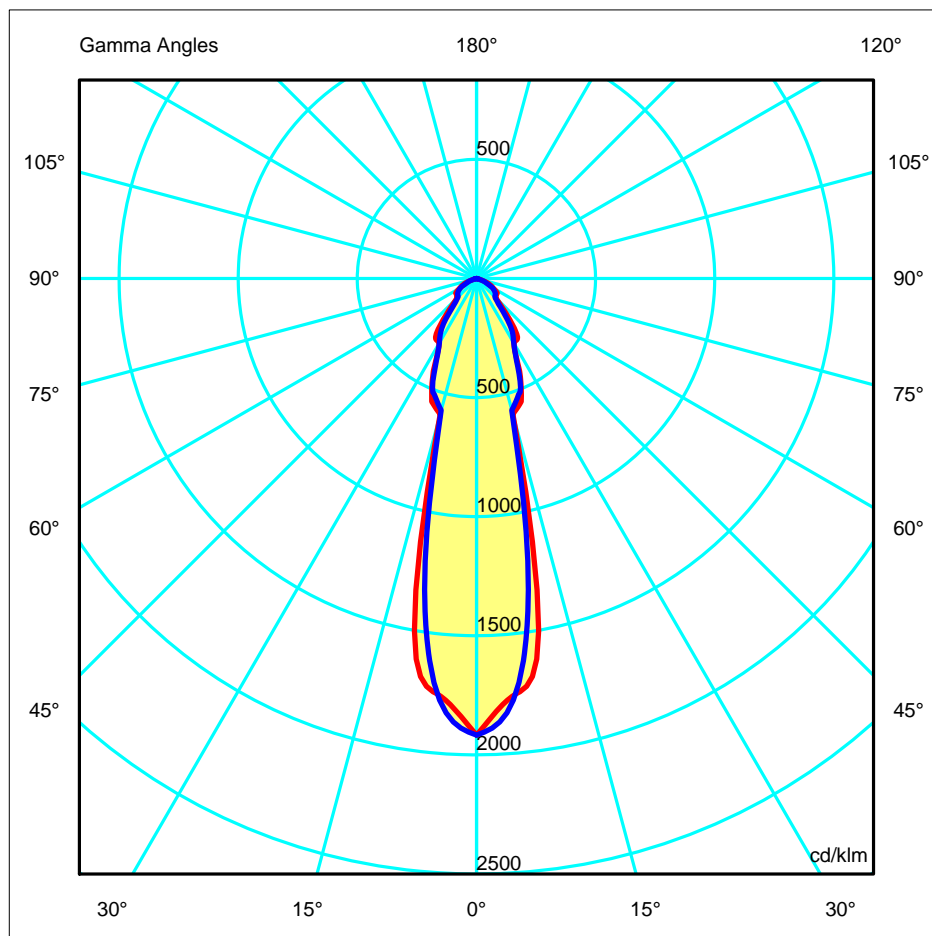
Diam=120mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 94.38 %
RN 0.00 %



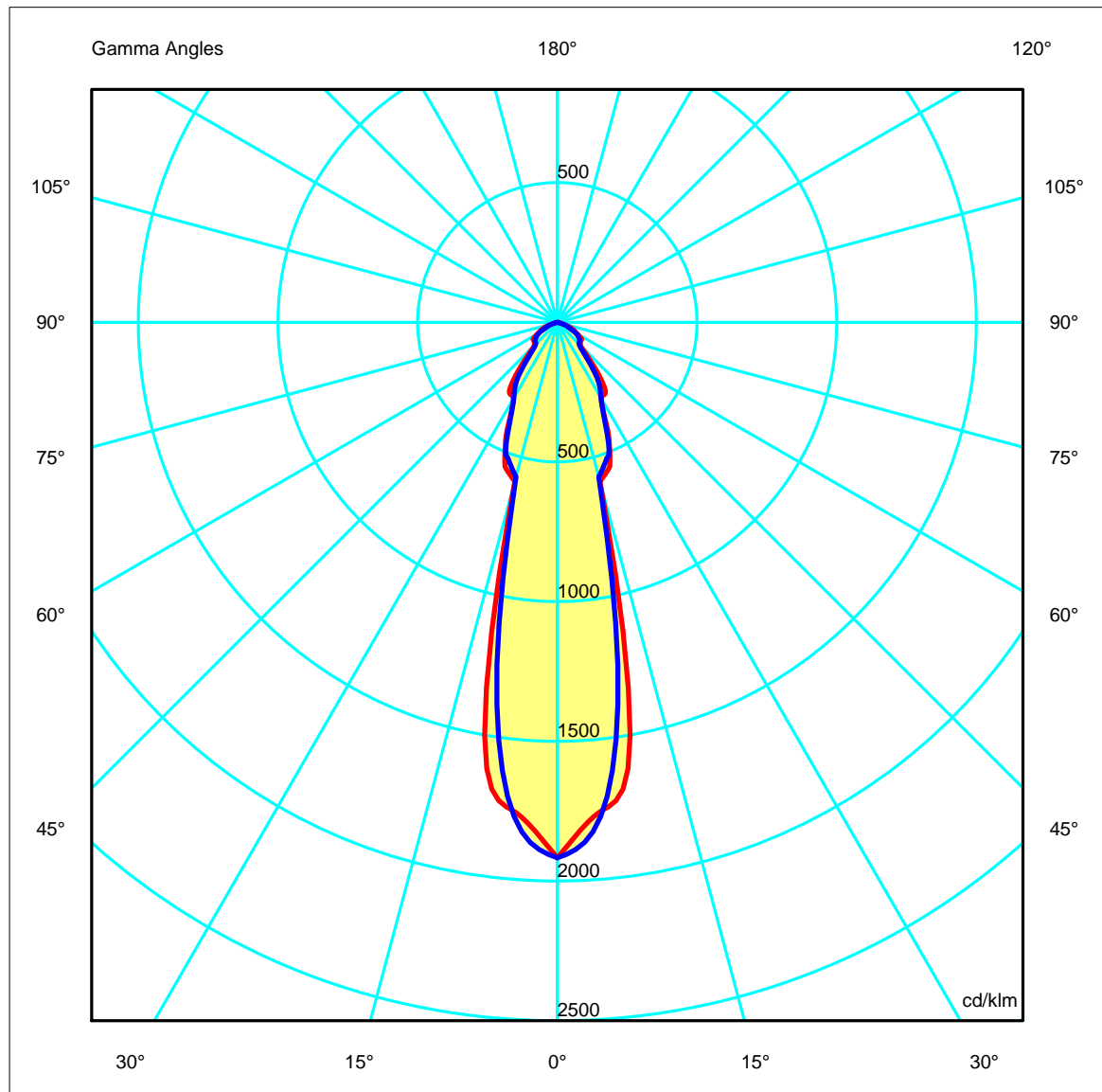
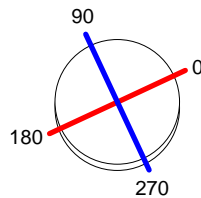
Luminaire		Measurem.				Lamp	
Code	1338	Code	1338			Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long			Number	1
Line	VIBIA-Jazz	Date	21-08-2012			Position	Universal
Efficiency	94.38%	Coordinate system	C-G			Total Flux	1060.00 lm
Luminous Intensity Table cd/klm				Table 1/1			
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1916.65	1916.65	1916.65	1916.65	1916.65	1916.65	1916.65
G 5.0	1758.37	1741.75	1767.28	1772.37	1766.31	1781.27	1776.04
G 10.0	1501.09	1222.93	1174.73	1193.37	1192.37	1147.28	1245.64
G 15.0	589.43	576.53	588.80	592.19	564.19	605.14	572.52
G 20.0	549.41	523.87	527.68	517.76	511.63	533.48	517.48
G 25.0	428.61	380.97	391.87	389.73	387.87	394.77	410.02
G 30.0	314.59	305.49	327.37	313.74	315.56	328.34	311.82
G 35.0	299.76	269.88	257.30	262.03	271.34	275.99	253.85
G 40.0	196.36	158.10	164.86	160.10	162.46	166.39	155.97
G 45.0	115.57	108.23	114.57	106.66	117.23	117.85	109.88
G 50.0	107.72	102.28	109.69	102.58	111.97	113.58	103.89
G 55.0	106.35	94.51	93.71	87.43	97.82	100.19	92.29
G 60.0	82.55	76.48	75.33	69.73	77.49	76.60	75.47
G 65.0	64.07	56.27	49.15	53.80	48.36	58.89	46.18
G 70.0	38.72	30.15	31.23	29.88	32.44	31.74	32.36
G 75.0	12.70	11.14	9.99	10.34	9.44	10.04	8.52
G 80.0	5.79	4.06	5.52	3.54	4.70	3.76	4.85
G 85.0	1.27	1.06	1.28	1.10	1.18	1.14	1.47
G 90.0	0.45	0.43	0.44	0.44	0.44	0.44	0.45

Luminaire		Measur.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

Diam=120mm

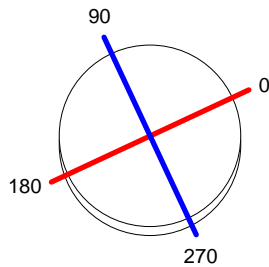
C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0



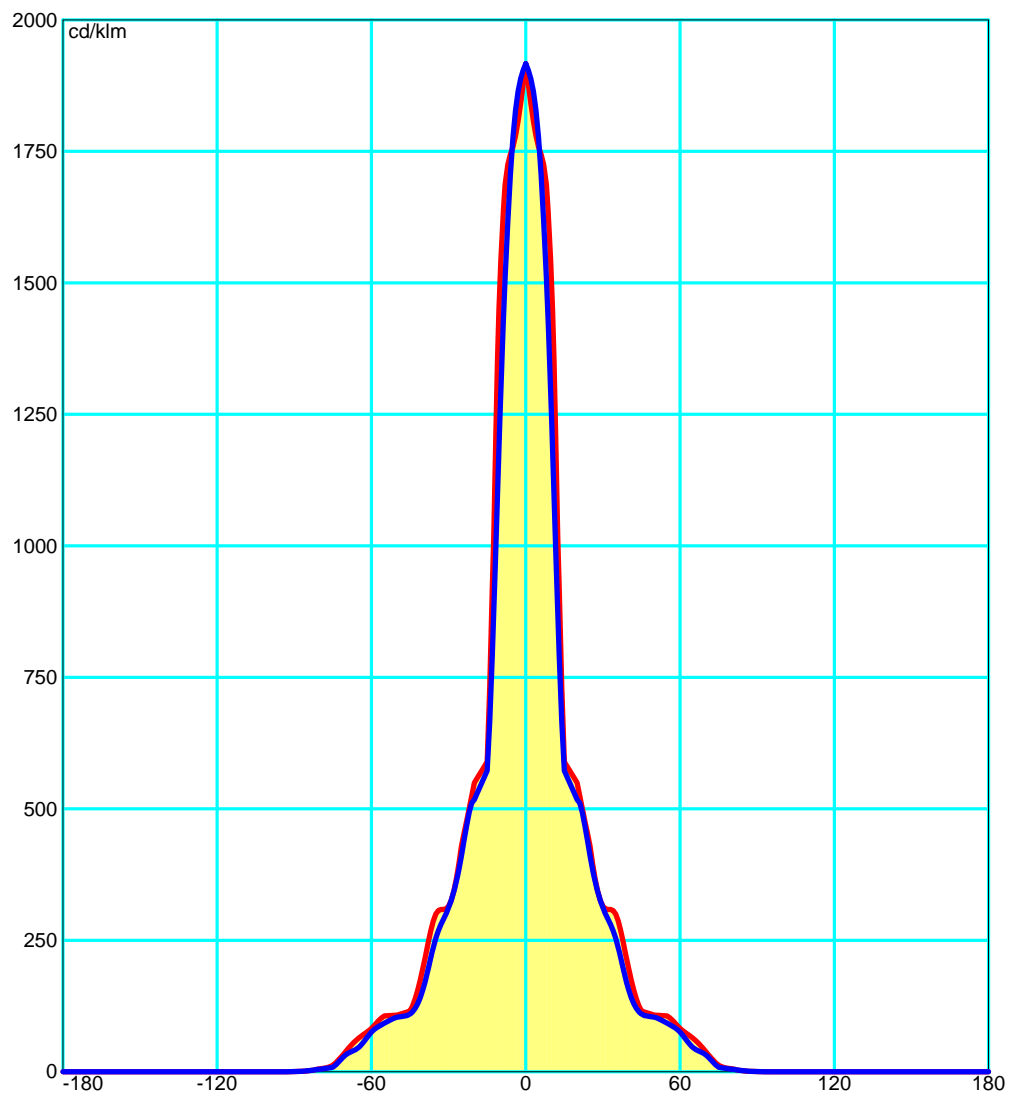
Luminaire		Measur.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

Diam=120mm



C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0

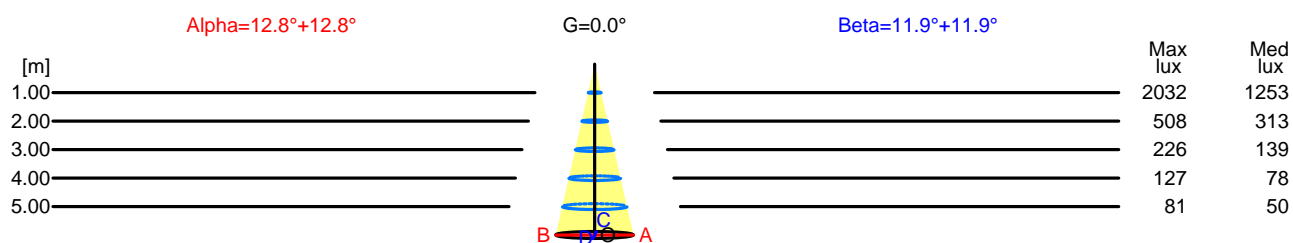


Luminaire		Measurem.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

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	0.23	0.46	0.68	0.91	1.14	OC	0.21	0.42	0.63	0.84	1.05
OB	0.23	0.46	0.68	0.91	1.14	OD	0.21	0.42	0.63	0.84	1.05

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1916.65	1758.37	589.43	428.61	299.76	115.57	106.35	64.07	12.70	1.27
OB	1916.65	1758.37	589.43	428.61	299.76	115.57	106.35	64.07	12.70	1.27
OC	1916.65	1776.04	572.52	410.02	253.85	109.88	92.29	46.18	8.52	1.47
OD	1916.65	1776.04	572.52	410.02	253.85	109.88	92.29	46.18	8.52	1.47



H[m]	D[m]	Max lux	Med lux	Alpha=12.8°+12.8°	G=0.0	
1.00	0.46	2032	1253			
2.00	0.91	508	313			
3.00	1.37	226	139			
4.00	1.82	127	78			
5.00	2.28	81	50			

H[m]	D[m]	Max lux	Med lux	Beta=11.9°+11.9°	G=0.0	
1.00	0.42	2032	1253			
2.00	0.84	508	313			
3.00	1.26	226	139			
4.00	1.68	127	78			
5.00	2.10	81	50			

Luminaire		Measur.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

Total Flux=1060.00 Luminaire Flux=1000.46

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	0.53	0.60	0.66	0.72	0.76	0.82	0.87	0.90	0.93	0.94	0.98	1.00
RC	1	1	1	1	1	1	1	1	1	1	-	-

Zonal Flux per 1000 Lumen

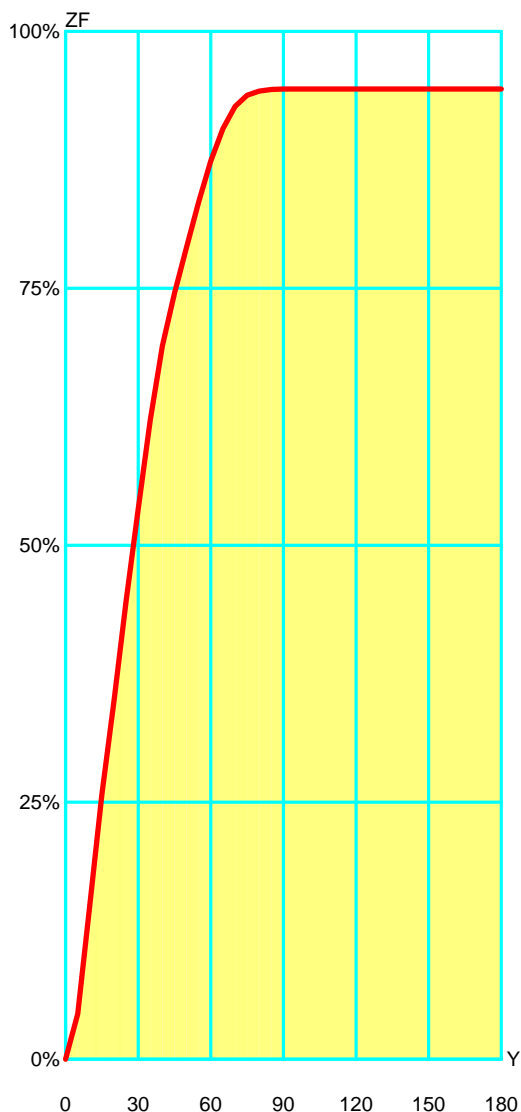
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	151	349	535	694	790	874	927	942	944	944	944	944	944	944	944	944	944	944

CIE Flux Codes

75 93 99 100 94

C.I.E. 1/1/1/1/1/1/1/1/1/-/
 D DIN 5040 A60
 F UTE 0.94 B
 B NBN BZ 1
 RN 0.00000 %
 BLF 1.0

LOR 94.38280 %
 ULOR 0.00000 %
 DLOR 94.38280 %
 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°	44.03	44.03	4.66 %	4.66 %
10°	106.72	150.75	11.31 %	15.97 %
15°	106.89	257.64	11.33 %	27.30 %
20°	91.42	349.06	9.69 %	36.98 %
25°	96.36	445.42	10.21 %	47.19 %
30°	90.03	535.45	9.54 %	56.73 %
35°	86.32	621.76	9.15 %	65.88 %
40°	72.34	694.10	7.66 %	73.54 %
45°	51.39	745.49	5.45 %	78.99 %
50°	44.56	790.06	4.72 %	83.71 %
55°	44.17	834.23	4.68 %	88.39 %
60°	39.59	873.82	4.19 %	92.58 %
65°	31.45	905.27	3.33 %	95.91 %
70°	21.63	926.90	2.29 %	98.21 %
75°	11.00	937.90	1.17 %	99.37 %
80°	3.94	941.84	0.42 %	99.79 %
85°	1.54	943.38	0.16 %	99.95 %
90°	0.45	943.83	0.05 %	100.00 %
95°	0.00	943.83	0.00 %	100.00 %
100°	0.00	943.83	0.00 %	100.00 %
105°	0.00	943.83	0.00 %	100.00 %
110°	0.00	943.83	0.00 %	100.00 %
115°	0.00	943.83	0.00 %	100.00 %
120°	0.00	943.83	0.00 %	100.00 %
125°	0.00	943.83	0.00 %	100.00 %
130°	0.00	943.83	0.00 %	100.00 %
135°	0.00	943.83	0.00 %	100.00 %
140°	0.00	943.83	0.00 %	100.00 %
145°	0.00	943.83	0.00 %	100.00 %
150°	0.00	943.83	0.00 %	100.00 %
155°	0.00	943.83	0.00 %	100.00 %
160°	0.00	943.83	0.00 %	100.00 %
165°	0.00	943.83	0.00 %	100.00 %
170°	0.00	943.83	0.00 %	100.00 %
175°	0.00	943.83	0.00 %	100.00 %
180°	0.00	943.83	0.00 %	100.00 %

Luminaire		Measurem.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

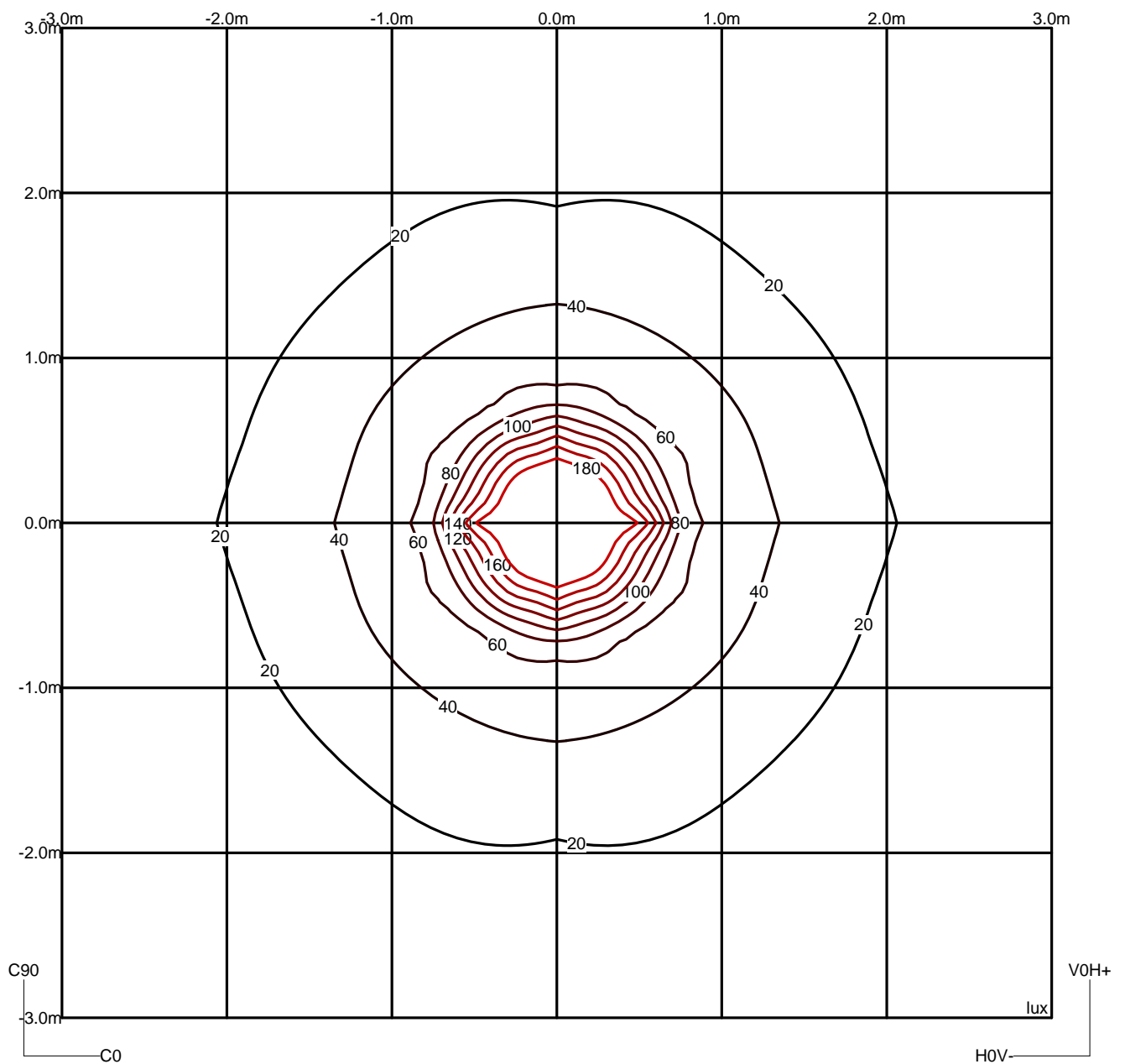
UGR
 S = 0.250

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	21.4	22.3	21.6	22.5	22.8	21.4	22.4	21.7	22.6	22.8
x=2H y=3H	22.3	23.2	22.6	23.4	23.6	22.3	23.1	22.6	23.4	23.6
x=2H y=4H	22.4	23.2	22.7	23.5	23.7	22.3	23.1	22.7	23.4	23.7
x=2H y=6H	22.4	23.1	22.7	23.4	23.6	22.3	23.1	22.6	23.3	23.6
x=2H y=8H	22.4	23.1	22.7	23.4	23.6	22.3	23.0	22.6	23.3	23.6
x=2H y=12H	22.3	23.0	22.7	23.3	23.6	22.2	22.9	22.6	23.2	23.6
x=4H y=2H	21.8	22.7	22.2	22.9	23.2	21.9	22.7	22.2	23.0	23.2
x=4H y=3H	22.9	23.5	23.2	23.8	24.1	22.8	23.5	23.2	23.8	24.1
x=4H y=4H	23.0	23.5	23.3	23.9	24.2	22.9	23.5	23.3	23.8	24.2
x=4H y=6H	23.0	23.4	23.4	23.8	24.1	22.9	23.4	23.3	23.8	24.1
x=4H y=8H	22.9	23.4	23.4	23.8	24.1	22.9	23.3	23.3	23.7	24.1
x=4H y=12H	22.9	23.3	23.3	23.7	24.1	22.8	23.2	23.3	23.6	24.1
x=8H y=4H	23.0	23.4	23.4	23.8	24.1	22.9	23.3	23.3	23.7	24.1
x=8H y=6H	23.0	23.3	23.4	23.7	24.1	22.9	23.2	23.3	23.7	24.1
x=8H y=8H	22.9	23.2	23.4	23.7	24.1	22.9	23.2	23.3	23.6	24.1
x=8H y=12H	22.9	23.2	23.4	23.6	24.1	22.8	23.1	23.3	23.5	24.1
x=12H y=4H	22.9	23.3	23.3	23.7	24.1	22.8	23.2	23.3	23.7	24.1
x=12H y=6H	22.9	23.2	23.4	23.7	24.1	22.8	23.1	23.3	23.6	24.1
x=12H y=8H	22.9	23.2	23.4	23.6	24.1	22.8	23.1	23.3	23.5	24.1

Luminaire		Measurem.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

Isolux (Floor)

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



Luminaire				Measur.				Lamp			
Code	1338			Code	1338			Code	0021231		
Name	hanging lamp mini short			Name	Hanging lamp mini long			Number	1		
Line	VIBIA-Jazz			Date	21-08-2012			Position	Universal		
Efficiency	94.38%			Coordinate system	C-G			Total Flux	1060.00 lm		

Utilizations CIE

Mounting	Direct				114-Norm type				Normalised				Suspension Ratio 1/3				Standard CIE Settings																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

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	346	336	275	269	331	266	261	254	215	211	180	177	155	153	209	177	176	154	153	175	153	152	132										
0.80	385	375	295	289	367	285	299	291	238	233	204	200	178	176	230	200	198	177	175	197	175	174	150										
1.00	407	396	299	294	386	289	322	313	247	243	216	211	191	188	239	211	209	189	187	207	187	186	159										
1.25	426	416	302	297	404	292	345	335	255	251	227	222	204	200	246	221	219	200	198	216	198	196	166										
1.50	439	430	302	298	416	292	361	351	260	256	234	229	212	208	250	227	225	208	206	222	205	202	170										
2.00	445	437	287	284	420	279	374	365	253	250	232	228	214	210	243	225	223	209	207	219	205	201	165										
2.50	445	437	273	270	419	265	380	370	244	241	227	222	211	207	234	219	217	206	203	212	200	196	158										
3.00	440	433	257	255	413	250	379	370	233	230	218	214	205	201	223	210	208	199	196	203	193	188	148										
4.00	439	434	244	242	412	237	384	377	224	222	212	209	202	198	213	203	202	195	192	196	188	182	139										
5.00	437	432	233	232	409	226	386	379	216	214	207	204	198	194	205	197	196	190	188	189	183	176	132										
10.00	411	408	188	187	381	182	369	365	177	176	173	171	169	166	166	162	162	159	157	153	150	141	94										
20.00	348	347	115	115	318	109	313	310	108	107	106	105	105	103	97	95	95	94	93	85	84	75	25										

Working Pl.

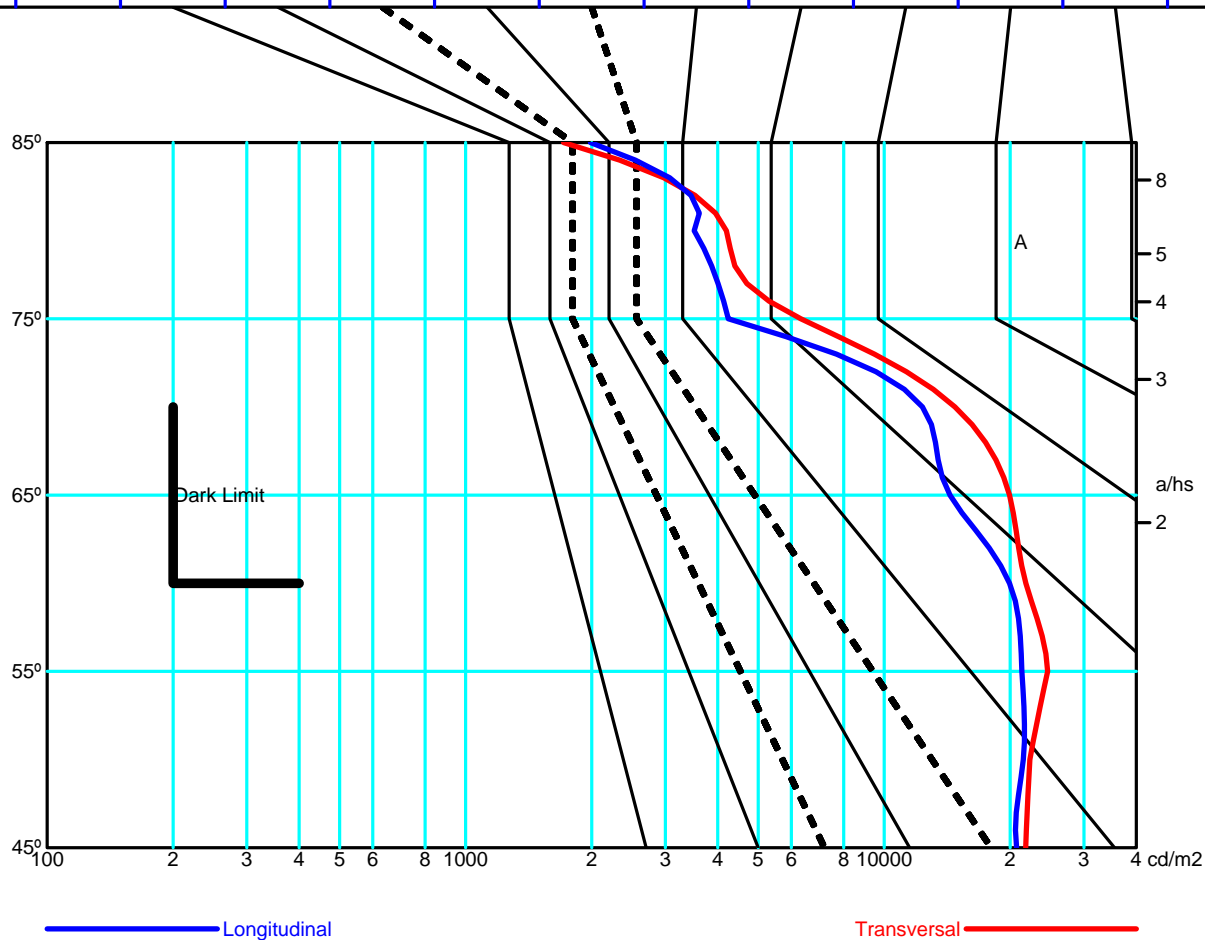
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0.60	720	710	672	665	703	661	618	611	595	590	550	547	518	516	588	547	545	517	516	544	516	515	503										
0.80	802	790	739	732	780	726	696	687	664	658	619	614	585	582	654	614	612	583	581	610	581	580	568										
1.00	869	857	792	785	844	779	763	752	722	716	679	674	646	642	710	673	670	643	641	668	640	638	627										
1.25	928	916	837	831	899	823	824	812	772	767	733	726	701	696	759	724	722	696	694	718	693	690	678										
1.50	972	960	868	863	940	854	870	858	809	803	772	766	742	737	794	763	760	736	734	755	732	728	717										
2.00	1000	1000	913	909	1000	900	943	930	864	859	834	828	809	802	848	823	820	801	797	813	794	788	778										
2.50	1000	1000	940	937	1000	927	990	978	899	894	874	867	852	845	882	861	858	843	839	850	834	827	818										
3.00	1000	1000	959	956	1000	946	1000	1000	923	919	902	896	883	877	905	888	885	872	869	876	863	854	845										
4.00	1000	1000	978	976	1000	966	1000	1000	948	945	932	927	918	911	930	917	915	905	901	903	893	883	874										
5.00	1000	1000	989	988	1000	978	1000	1000	964	961	951	946	939	933	945	934	932	924	921	920	911	900	891										
10.00	1000	1000	1000	1000	1000	1000	1000	1000	994	992	988	985	983	979	974	970	968	965	963	952	949	934	925										
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	988	987	986	986	984	968	967	950	941										

LM53 SHR C0-C180: 0.434 SHR C90-C270: 0.398 SHR Square: 0.416

Luminaire		Measur.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

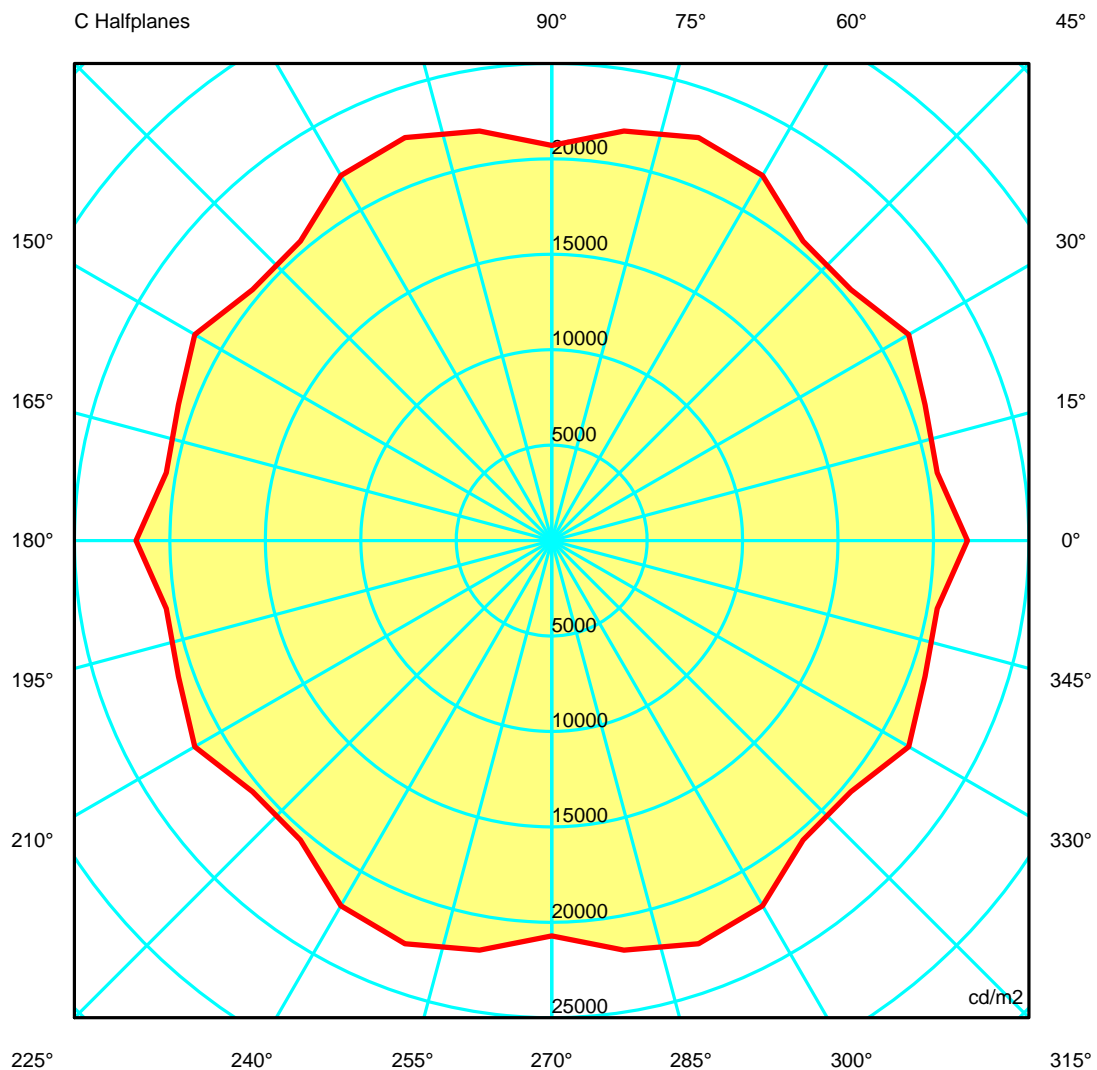
	Average Luminance [cd/m ²]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0°	21781.4	22278.8	24577.9	21800.8	19917.8	14761.6	6321.6	4196.2	1712.9	---
90°	20708.1	21487.0	21328.1	19930.8	14355.3	12337.4	4241.7	3515.0	1987.4	---

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		Measur.		Lamp	
Code	1338	Code	1338	Code	0021231
Name	hanging lamp mini short	Name	Hanging lamp mini long	Number	1
Line	VIBIA-Jazz	Date	21-08-2012	Position	Universal
Efficiency	94.38%	Coordinate system	C-G	Total Flux	1060.00 lm

Luminance													
G/C	0	30	60	90	120	150	180	210	240	270	300	330	
0°	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75	258676.75
5°	237956.91	239161.64	239031.29	240347.61	239031.29	239161.64	237956.91	239161.64	239031.29	240347.61	239031.29	239161.64	237956.91
10°	205255.89	160630.30	163042.69	170325.92	163042.69	160630.30	205255.89	160630.30	163042.69	170325.92	163042.69	160630.30	205255.89
15°	82077.12	81989.39	78562.85	79722.14	78562.85	81989.39	82077.12	81989.39	78562.85	79722.14	78562.85	81989.39	82077.12
20°	78544.91	75438.44	73143.79	73980.20	73143.79	75438.44	78544.91	75438.44	73143.79	73980.20	73143.79	75438.44	78544.91
25°	63449.71	58011.71	57419.52	60698.13	57419.52	58011.71	63449.71	58011.71	57419.52	60698.13	57419.52	58011.71	63449.71
30°	48669.29	50646.23	48818.38	48240.61	48818.38	50646.23	48669.29	50646.23	48818.38	48240.61	48818.38	50646.23	48669.29
35°	48951.20	42018.82	44310.01	41455.12	44310.01	42018.82	48951.20	42018.82	44310.01	41455.12	44310.01	42018.82	48951.20
40°	34228.49	28737.47	28320.77	27187.92	28320.77	28737.47	34228.49	28737.47	28320.77	27187.92	28320.77	28737.47	34228.49
45°	21781.37	21593.28	22094.46	20708.10	22094.46	21593.28	21781.37	21593.28	22094.46	20708.10	22094.46	21593.28	21781.37
50°	22278.78	22686.72	23159.33	21486.97	23159.33	22686.72	22278.78	22686.72	23159.33	21486.97	23159.33	22686.72	22278.78
55°	24577.90	21657.10	22605.15	21328.10	22605.15	21657.10	24577.90	21657.10	22605.15	21328.10	22605.15	21657.10	24577.90
60°	21800.77	19895.07	20466.33	19930.85	20466.33	19895.07	21800.77	19895.07	20466.33	19930.85	20466.33	19895.07	21800.77
65°	19917.83	15277.36	15034.05	14355.28	15034.05	15277.36	19917.83	15277.36	15034.05	14355.28	15034.05	15277.36	19917.83
70°	14761.62	11905.51	12369.13	12337.36	12369.13	11905.51	14761.62	11905.51	12369.13	12337.36	12369.13	11905.51	14761.62
75°	6321.57	4972.53	4697.93	4241.71	4697.93	4972.53	6321.57	4972.53	4697.93	4241.71	4697.93	4972.53	6321.57
80°	4196.16	3998.36	3403.46	3515.02	3403.46	3998.36	4196.16	3998.36	3403.46	3515.02	3403.46	3998.36	4196.16
85°	1712.94	1723.80	1595.01	1987.45	1595.01	1723.80	1712.94	1723.80	1595.01	1987.45	1595.01	1723.80	1712.94
90°	4733.54	4697.22	4683.47	4760.97	4683.47	4697.22	4733.54	4697.22	4683.47	4760.97	4683.47	4697.22	4733.54



45.0°