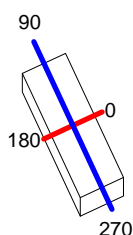


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>		
Code	0250	Code	0250	Code	1 led panel 24V 8W	
Name	Reading floor lamp	Name	Reading floor lamp	Number	1	
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal	
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm	
Maximum value	476.59 cd/klm	Position	C=0.00 G=0.00	Double Symmetrical		
Rectangular Luminaire	Length	230 mm	Width	80 mm	Height	20 mm
Rectangular Luminous Area	Length	80 mm	Width	35 mm	Height	0 mm
Horizontal Luminous Area	0.002800 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°		0.000677 m2		
Symmetry Type	Double Symmetrical	Maximum Gamma Angle		90		
Measurement Distance	6.44	Measurement Flux		315.57 lm		
Operator	Asselum T2	Source voltage		230.00 V		
Temperature	22.00 °C	Source current		PRC		
Humidity	49.00 %	Photocell				
Notes						

Luminaire Lamps						
Line	Code	Name	Fluxlm	Pow.W	Qta	
- VIBIA	1 led panel 24V 8W	1 led panel 24V 8W	315.57	8.00	1	
C.I.E.	60 89 98 100 100	D DIN 5040				A40
F UTE	1.00 C	B NBN				BZ 3

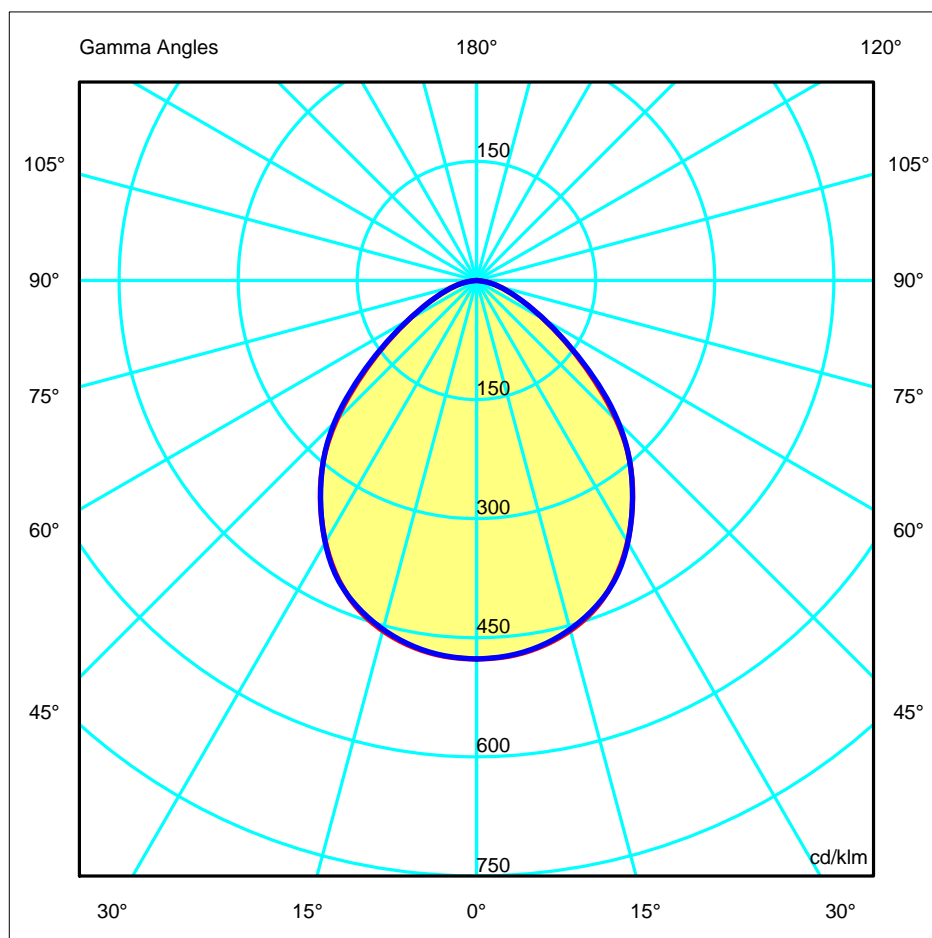
230mm x 80mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %

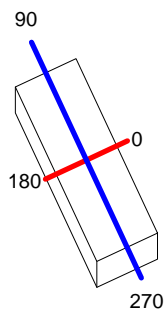


<b>Luminaire</b>			<b>Measurem.</b>			<b>Lamp</b>		
Code	0250		Code	0250		Code	1 led panel 24V 8W	
Name	Reading floor lamp		Name	Reading floor lamp		Number	1	
Line	VIBIA-Skan		Date	26-04-2012		Position	Universal	
Efficiency	100.00%		Coordinate system	C-G		Total Flux	315.57 lm	
Luminous Intensity Table 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	476.59	476.59	476.59	476.59	476.59	476.59	476.59	
G 5.0	474.85	474.36	474.20	474.32	474.33	474.10	474.04	
G 10.0	468.09	467.56	467.23	467.09	467.18	467.14	466.96	
G 15.0	456.55	455.26	454.60	454.53	455.49	455.03	454.67	
G 20.0	438.94	435.48	435.97	437.03	437.95	437.11	437.54	
G 25.0	413.22	408.98	410.96	415.30	414.25	412.52	414.22	
G 30.0	380.34	377.74	379.27	381.19	383.02	380.69	381.16	
G 35.0	342.42	340.31	341.27	342.27	344.58	343.71	341.91	
G 40.0	300.96	293.85	295.85	297.59	300.66	300.07	300.95	
G 45.0	249.76	241.32	244.25	247.88	250.00	252.09	252.94	
G 50.0	191.58	185.52	188.03	190.32	194.06	195.59	196.81	
G 55.0	140.00	134.73	135.54	136.36	140.71	141.58	141.53	
G 60.0	98.58	93.10	95.02	96.04	98.96	99.42	99.83	
G 65.0	67.35	63.99	65.72	67.47	68.60	66.95	68.38	
G 70.0	46.06	44.28	45.03	45.94	47.56	45.89	44.96	
G 75.0	31.09	29.51	29.52	30.21	31.43	30.77	29.55	
G 80.0	17.96	15.78	16.07	16.74	17.34	17.28	15.56	
G 85.0	5.90	4.45	4.68	4.98	4.81	4.58	4.31	
G 90.0	0.79	0.76	0.79	0.84	0.85	0.79	0.79	

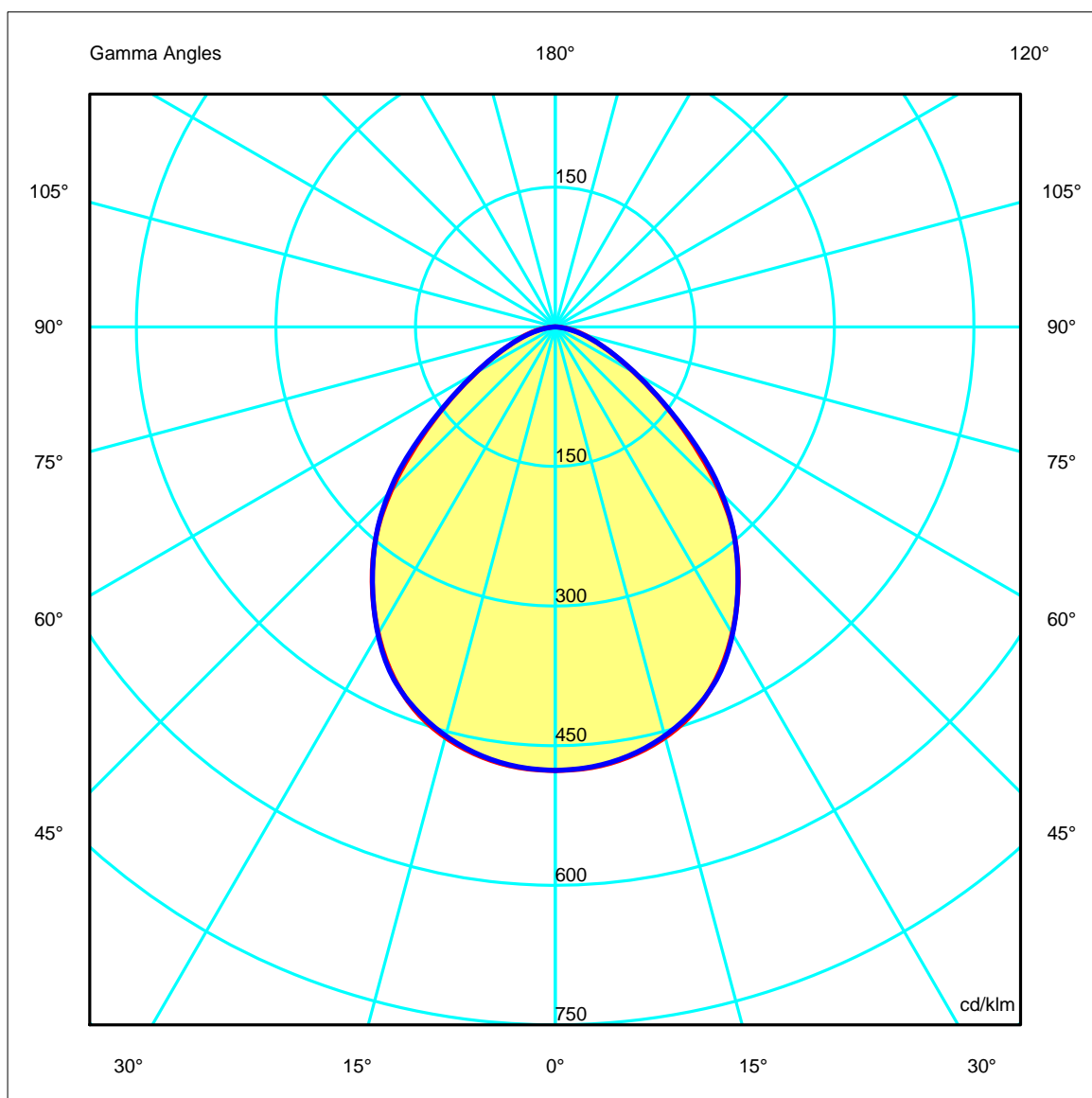
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

230mm x 80mm

C Halfplanes

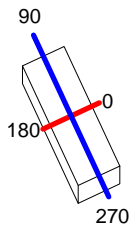


180.0 ————— 0.0  
 270.0 ————— 90.0



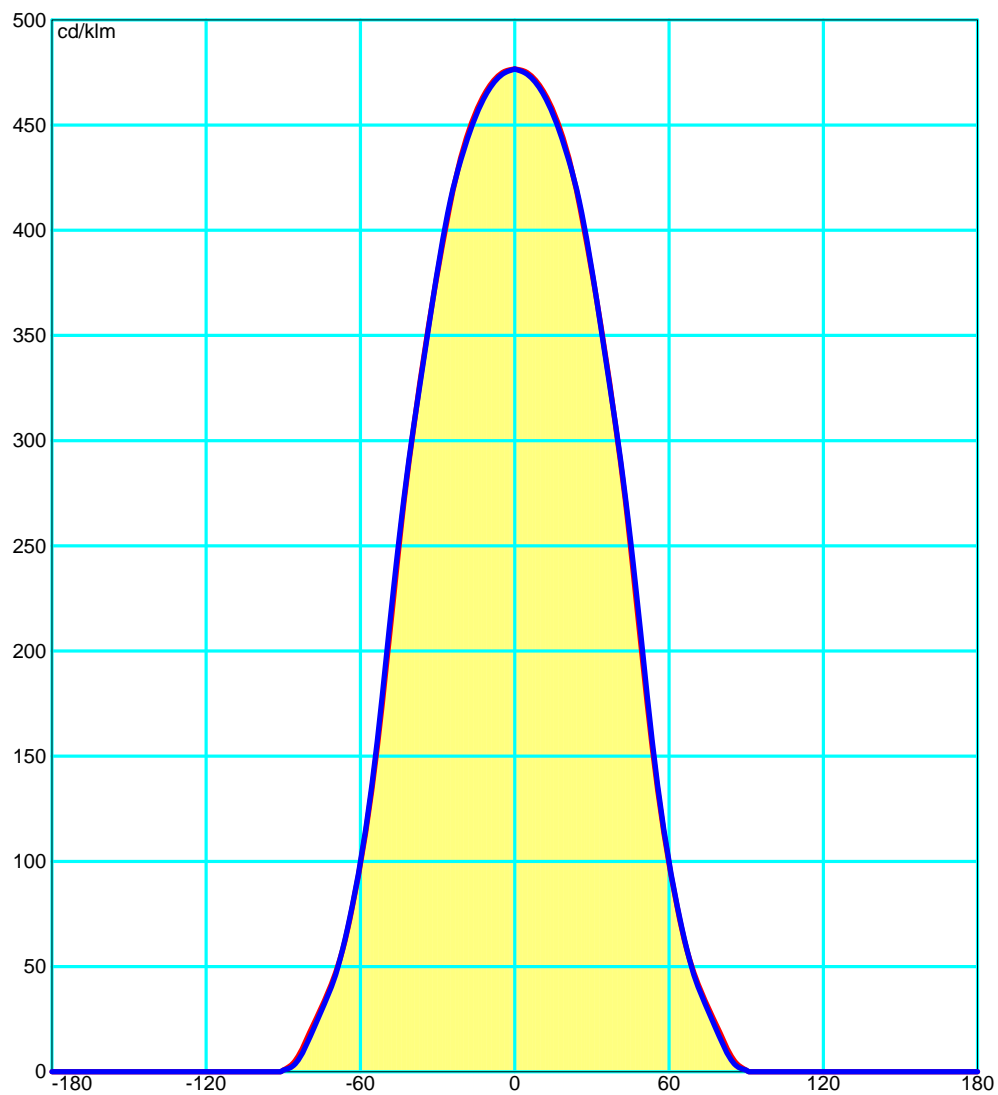
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

230mm x 80mm



C Halfplanes

180.0 ————— 0.0  
 270.0 ————— 90.0

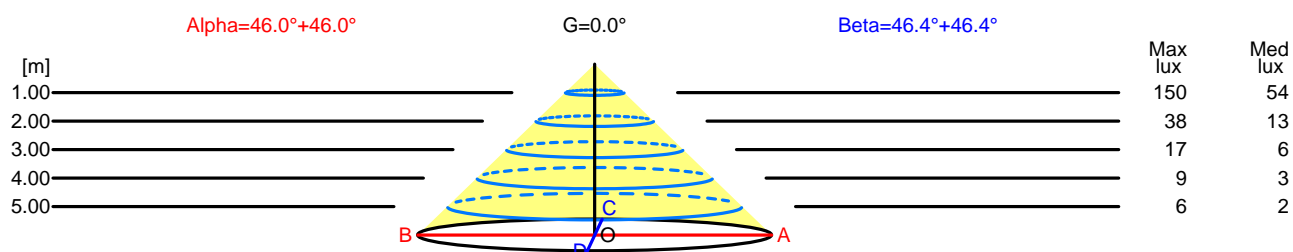


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

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	1.04	2.07	3.11	4.14	5.18	OC	1.05	2.10	3.15	4.19	5.24
OB	1.04	2.07	3.11	4.14	5.18	OD	1.05	2.10	3.15	4.19	5.24

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	476.59	474.85	456.55	413.22	342.42	249.76	140.00	67.35	31.09	5.90
OB	476.59	474.85	456.55	413.22	342.42	249.76	140.00	67.35	31.09	5.90
OC	476.59	474.04	454.67	414.22	341.91	252.94	141.53	68.38	29.55	4.31
OD	476.59	474.04	454.67	414.22	341.91	252.94	141.53	68.38	29.55	4.31



H[m]	D[m]	Max lux	Med lux	Alpha=46.0°+46.0°	G=0.0	
1.00	2.07	150	54			
2.00	4.14	38	13			
3.00	6.21	17	6			
4.00	8.28	9	3			
5.00	10.36	6	2			

H[m]	D[m]	Max lux	Med lux	Beta=46.4°+46.4°	G=0.0	
1.00	2.10	150	54			
2.00	4.19	38	13			
3.00	6.29	17	6			
4.00	8.39	9	3			
5.00	10.48	6	2			

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

Total Flux=315.57 Luminaire Flux=315.56

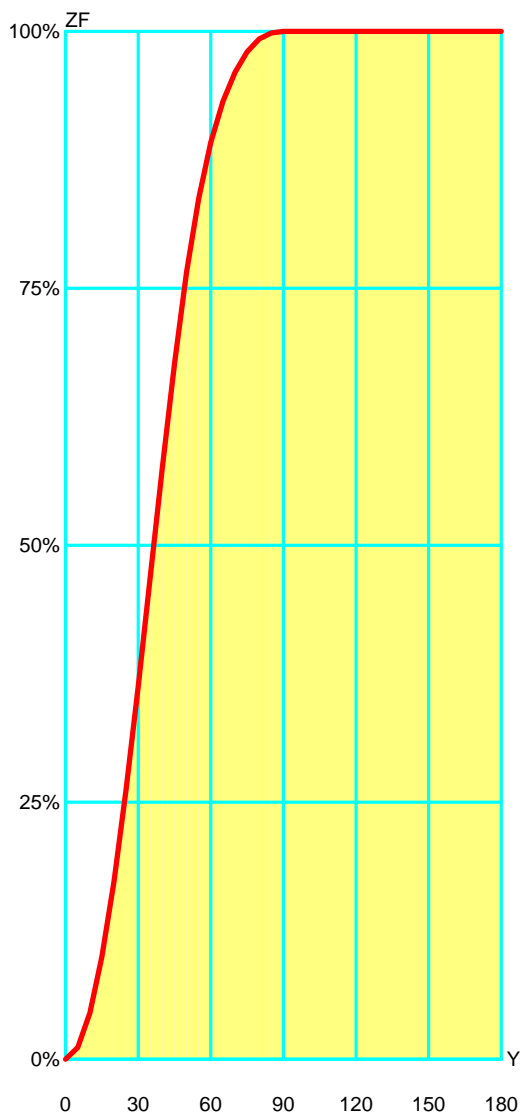
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.49	0.56	0.63	0.68	0.76	0.81	0.84	0.88	0.90	0.95	0.97
RC	3	3	3	3	3	3	3	3	3	3	3	3

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)	45	173	363	576	766	892	960	993	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes  
60 89 98 100 100

C.I.E. 3  
D DIN 5040 A40  
F UTE 1.00 C  
B NBN BZ 3  
RN 0.00000 %  
BLF 1.0

LOR 99.99715 %  
ULOR 0.00000 %  
DLOR 99.99715 %  
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°	11.37	11.37	1.14 %	1.14 %
10°	33.68	45.05	3.37 %	4.51 %
15°	54.71	99.77	5.47 %	9.98 %
20°	73.52	173.28	7.35 %	17.33 %
25°	89.11	262.39	8.91 %	26.24 %
30°	100.36	362.75	10.04 %	36.28 %
35°	106.44	469.19	10.64 %	46.92 %
40°	106.87	576.06	10.69 %	57.61 %
45°	101.09	677.16	10.11 %	67.72 %
50°	88.73	765.88	8.87 %	76.59 %
55°	71.66	837.54	7.17 %	83.76 %
60°	54.37	891.92	5.44 %	89.19 %
65°	39.80	931.72	3.98 %	93.17 %
70°	28.48	960.20	2.85 %	96.02 %
75°	19.86	980.06	1.99 %	98.01 %
80°	12.56	992.62	1.26 %	99.27 %
85°	5.82	998.45	0.58 %	99.85 %
90°	1.52	999.97	0.15 %	100.00 %
95°	0.00	999.97	0.00 %	100.00 %
100°	0.00	999.97	0.00 %	100.00 %
105°	0.00	999.97	0.00 %	100.00 %
110°	0.00	999.97	0.00 %	100.00 %
115°	0.00	999.97	0.00 %	100.00 %
120°	0.00	999.97	0.00 %	100.00 %
125°	0.00	999.97	0.00 %	100.00 %
130°	0.00	999.97	0.00 %	100.00 %
135°	0.00	999.97	0.00 %	100.00 %
140°	0.00	999.97	0.00 %	100.00 %
145°	0.00	999.97	0.00 %	100.00 %
150°	0.00	999.97	0.00 %	100.00 %
155°	0.00	999.97	0.00 %	100.00 %
160°	0.00	999.97	0.00 %	100.00 %
165°	0.00	999.97	0.00 %	100.00 %
170°	0.00	999.97	0.00 %	100.00 %
175°	0.00	999.97	0.00 %	100.00 %
180°	0.00	999.97	0.00 %	100.00 %

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

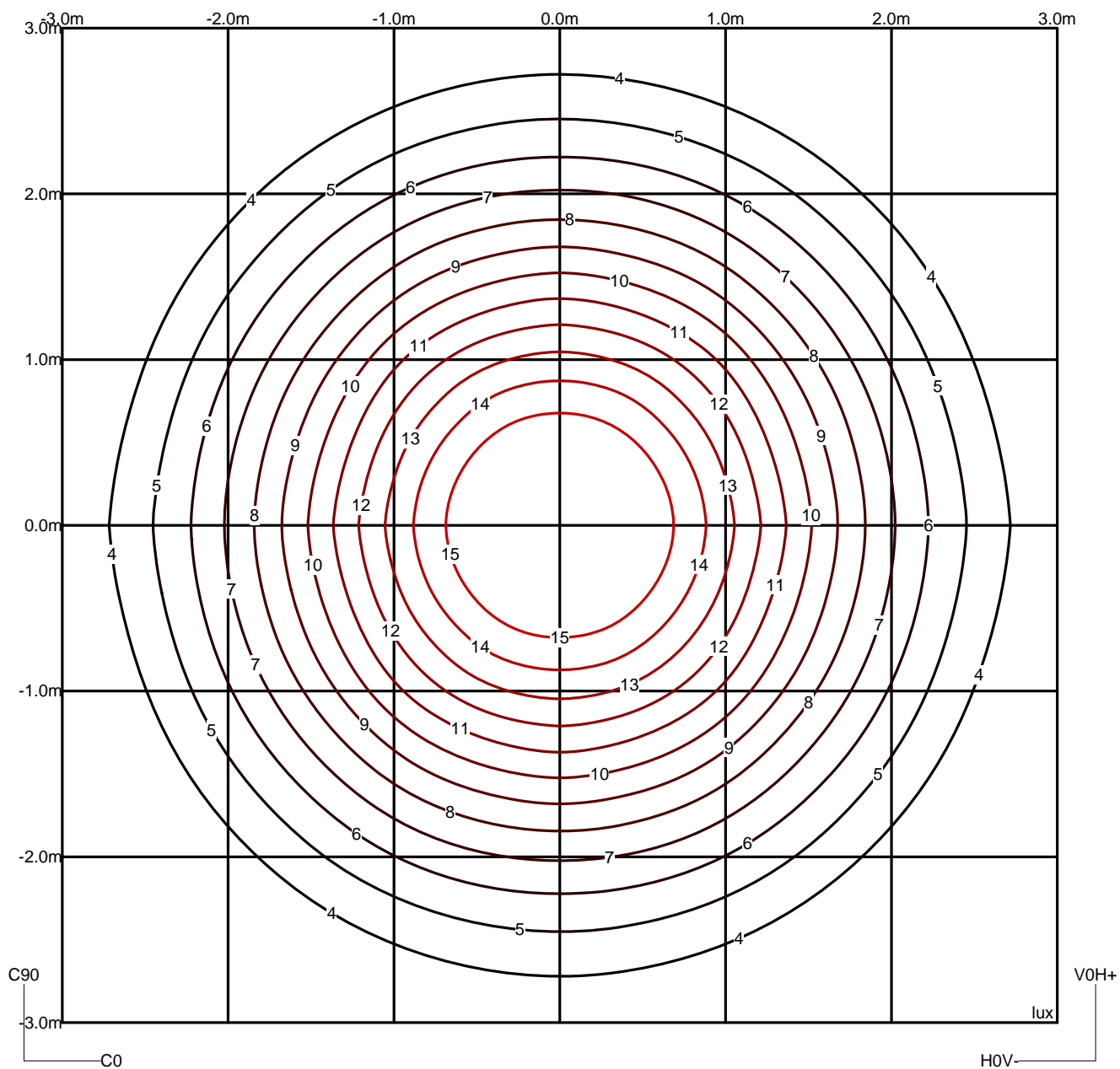
**UGR**  
 S = 0.250

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	23.3	24.4	23.6	24.6	25.1	23.5	24.7	23.8	24.9	25.1
x=2H y=3H	23.9	25.0	24.2	25.2	25.7	24.1	25.2	24.5	25.4	25.7
x=2H y=4H	24.2	25.2	24.5	25.4	25.9	24.4	25.4	24.7	25.6	25.9
x=2H y=6H	24.4	25.3	24.7	25.6	26.0	24.6	25.4	24.9	25.8	26.0
x=2H y=8H	24.4	25.3	24.8	25.6	26.0	24.6	25.4	25.0	25.7	26.0
x=2H y=12H	24.5	25.3	24.8	25.6	26.0	24.6	25.4	25.0	25.7	26.0
x=4H y=2H	23.7	24.6	24.0	24.9	25.4	23.8	24.8	24.2	25.1	25.4
x=4H y=3H	24.5	25.3	24.8	25.6	26.1	24.7	25.5	25.0	25.8	26.1
x=4H y=4H	24.8	25.5	25.2	25.9	26.4	25.0	25.7	25.4	26.1	26.4
x=4H y=6H	25.1	25.7	25.5	26.1	26.7	25.3	25.9	25.7	26.3	26.7
x=4H y=8H	25.2	25.8	25.6	26.1	26.7	25.4	25.9	25.8	26.3	26.7
x=4H y=12H	25.2	25.7	25.7	26.1	26.7	25.4	25.9	25.8	26.3	26.7
x=8H y=4H	25.0	25.6	25.4	25.9	26.5	25.2	25.7	25.6	26.1	26.5
x=8H y=6H	25.4	25.8	25.8	26.2	26.9	25.5	26.0	26.0	26.4	26.9
x=8H y=8H	25.5	25.8	25.9	26.3	26.9	25.6	26.0	26.1	26.5	26.9
x=8H y=12H	25.5	25.8	26.0	26.3	27.0	25.7	26.0	26.2	26.5	27.0
x=12H y=4H	25.0	25.5	25.4	25.9	26.5	25.2	25.7	25.6	26.1	26.5
x=12H y=6H	25.4	25.8	25.8	26.2	26.9	25.5	25.9	26.0	26.4	26.9
x=12H y=8H	25.5	25.8	26.0	26.3	27.0	25.7	26.0	26.2	26.5	27.0

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

Isolux (Floor)

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





<b>Luminaire</b>				<b>Measurem.</b>				<b>Lamp</b>			
Code	0250			Code	0250			Code	1 led panel 24V 8W		
Name	Reading floor lamp			Name	Reading floor lamp			Number	1		
Line	VIBIA-Skan			Date	26-04-2012			Position	Universal		
Efficiency	100.00%			Coordinate system	C-G			Total Flux	315.57 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	205	184	153	138	175	132	107	91	79	67	43	32	17	12	63	35	31	14	11	29	12	10	0									
0.80	237	217	161	148	207	142	136	119	90	79	52	41	24	17	74	43	39	20	17	37	17	15	0									
1.00	259	241	161	151	229	144	159	142	95	85	58	48	30	23	80	50	46	26	22	43	23	20	0									
1.25	278	262	158	149	249	143	182	166	99	91	65	55	37	30	85	56	52	33	28	50	29	26	0									
1.50	293	278	154	147	265	141	202	185	101	94	69	60	43	36	89	61	57	38	34	55	35	32	0									
2.00	311	299	144	140	285	135	231	216	103	97	76	68	53	46	92	68	65	48	44	62	44	41	0									
2.50	324	314	138	134	299	130	252	238	103	98	80	73	60	53	94	73	70	56	51	68	52	48	0									
3.00	333	324	133	130	310	126	268	255	103	99	84	78	66	59	95	77	75	61	57	72	57	54	0									
4.00	347	339	128	125	325	122	290	280	105	101	89	84	74	68	97	83	81	70	66	78	66	62	0									
5.00	355	350	125	123	335	120	305	296	105	103	92	88	80	74	99	87	85	75	72	82	72	68	0									
10.00	375	371	118	117	356	115	339	334	107	106	99	97	92	89	102	95	94	89	87	92	85	82	0									
20.00	384	383	114	113	368	112	359	356	107	107	103	102	99	98	104	100	100	96	95	97	94	91	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	425	414	360	352	408	348	321	314	281	276	236	232	203	201	274	232	231	202	201	230	201	200	180								
0.80	471	459	384	377	451	372	367	358	310	305	266	261	233	230	301	262	260	231	230	258	230	229	204								
1.00	498	487	393	386	476	381	397	387	325	320	284	279	252	249	315	278	276	249	248	274	247	246	218								
1.25	521	510	397	391	496	385	424	413	336	331	299	293	268	264	325	292	290	265	263	287	262	260	229								
1.50	537	527	398	393	511	387	444	433	343	339	309	303	281	276	332	302	300	277	274	296	273	271	237								
2.00	548	539	387	383	521	376	464	453	342	338	313	308	289	284	330	305	303	284	281	299	280	276	239								
2.50	555	546	377	375	526	368	477	467	339	336	315	310	294	289	328	306	304	288	285	299	283	278	238								
3.00	557	549	368	366	528	359	484	475	335	332	314	310	295	291	323	305	303	288	286	297	283	277	235								
4.00	568	562	365	363	538	357	502	494	338	335	320	317	305	300	325	311	309	297	295	302	290	284	239								
5.00	578	573	366	365	548	358	517	510	342	340	327	324	314	310	330	317	316	305	303	308	298	291	244								
10.00	607	604	374	373	576	367	557	553	358	356	349	347	341	338	345	338	337	330	329	327	321	312	262								
20.00	623	621	378	378	591	372	581	578	367	366	362	360	357	355	354	350	349	346	345	339	335	325	272								

#### Working Pl.

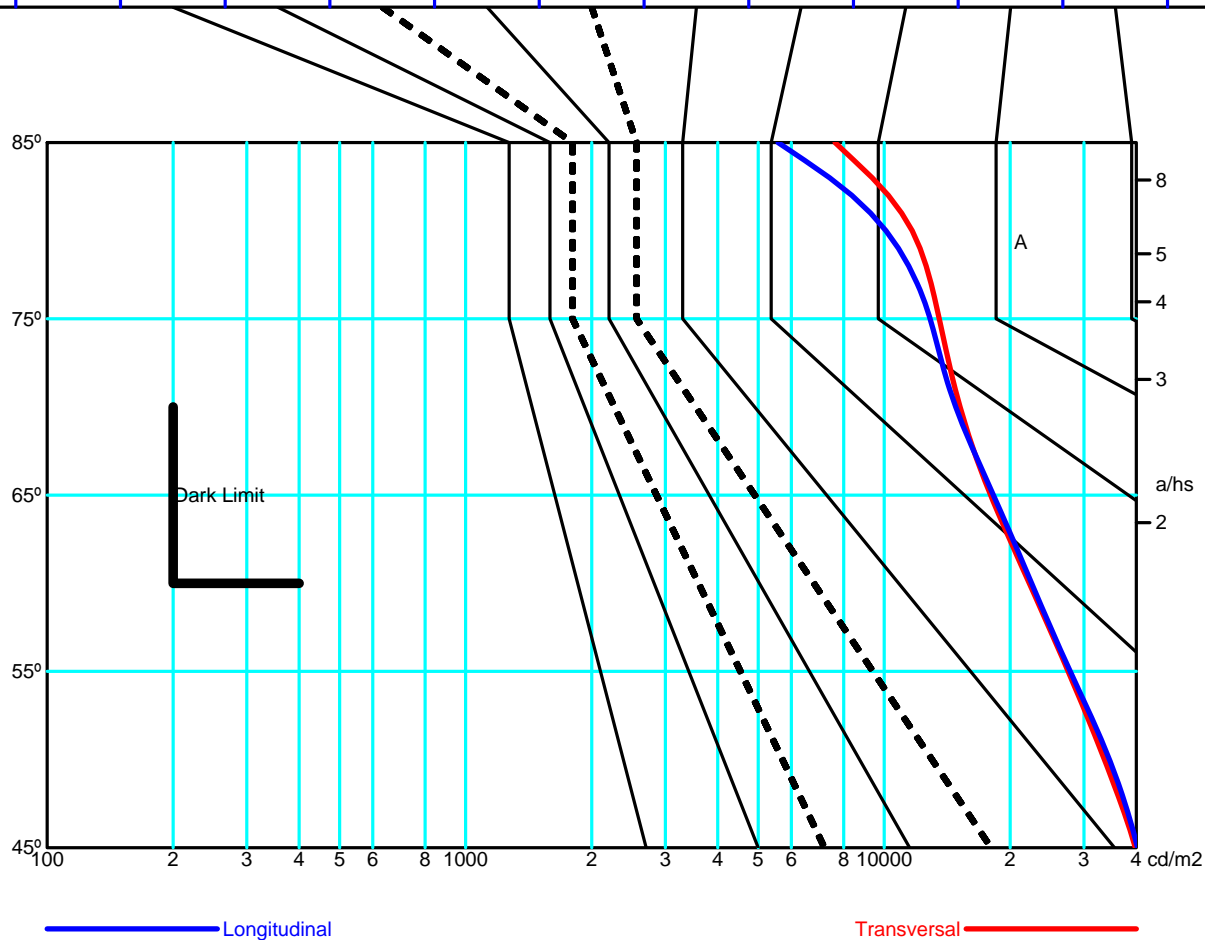
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000								
0.60	665	653	621	612	646	607	541	533	520	515	462	458	420	418	512	458	456	418	417	455	417	417	401								
0.80	771	758	710	702	746	695	643	633	613	607	554	549	510	507	601	548	546	508	507	544	506	505	489								
1.00	854	840	778	770	825	761	726	714	686	680	630	624	587	583	672	623	620	584	582	617	581	579	564								
1.25	928	914	837	829	896	820	804	791	753	746	701	694	659	654	737	691	689	654	652	684	651	648	633								
1.50	982	969	877	871	947	861	862	848	800	794	752	745	713	707	783	742	739	707	704	733	702	698	684								
2.00	1000	1000	934	929	1000	918	949	935	870	864	829	822	795	789	851	817	814	787	783	806	780	774	761								
2.50	1000	1000	968	963	1000	952	1000	992	912	907	878	871	848	841	893	863	861	838	834	851	829	821	810								
3.00	1000	1000	990	986	1000	975	1000	1000	941	937	911	905	885	878	921	896	893	873	869	883	863	854	843								
4.00	1000	1000	1000	1000	1000	1000	1000	1000	974	970	950	944	928	921	953	933	930	914	910	918	902	891	880								
5.00	1000	1000	1000	1000	1000	1000	1000	1000	993	990	972	967	954	947	972	955	953	939	935	939	925	913	902								
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	991	989	982	974	958	948							
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	983	973								

LM53 SHR C0-C180: 1.178 SHR C90-C270: 1.190 SHR Square: 1.252

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

	Average Luminance [cd/m²]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0°	39808.7	33591.0	27509.9	22221.7	17959.8	15177.2	13536.1	11659.6	7630.4	---
90°	40315.0	34507.1	27808.9	22502.7	18235.7	14816.8	12868.8	10098.2	5576.9	---

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



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	0250	Code	0250	Code	1 led panel 24V 8W
Name	Reading floor lamp	Name	Reading floor lamp	Number	1
Line	VIBIA-Skan	Date	26-04-2012	Position	Universal
Efficiency	100.00%	Coordinate system	C-G	Total Flux	315.57 lm

Luminance												
G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19	53713.19
5°	53721.67	53648.42	53662.53	53630.62	53662.53	53648.42	53721.67	53648.42	53662.53	53630.62	53662.53	53648.42
10°	53569.62	53470.73	53465.21	53439.80	53465.21	53470.73	53569.62	53470.73	53465.21	53439.80	53465.21	53470.73
15°	53270.34	53042.24	53146.07	53050.92	53146.07	53042.24	53270.34	53042.24	53146.07	53050.92	53146.07	53042.24
20°	52644.92	52289.22	52526.33	52477.45	52526.33	52289.22	52644.92	52289.22	52526.33	52477.45	52526.33	52289.22
25°	51385.71	51105.20	51514.47	51510.04	51514.47	51105.20	51385.71	51105.20	51514.47	51510.04	51514.47	51105.20
30°	49497.31	49357.28	49845.77	49603.32	49845.77	49357.28	49497.31	49357.28	49845.77	49603.32	49845.77	49357.28
35°	47112.64	46953.39	47409.85	47041.68	47409.85	46953.39	47112.64	46953.39	47409.85	47041.68	47409.85	46953.39
40°	44279.00	43525.94	44233.63	44276.47	44233.63	43525.94	44279.00	43525.94	44233.63	44276.47	44233.63	43525.94
45°	39808.70	38930.70	39847.37	40315.04	39847.37	38930.70	39808.70	38930.70	39847.37	40315.04	39847.37	38930.70
50°	33590.97	32968.94	34026.13	34507.11	34026.13	32968.94	33590.97	32968.94	34026.13	34507.11	34026.13	32968.94
55°	27509.95	26632.02	27647.59	27808.90	27647.59	26632.02	27509.95	26632.02	27647.59	27808.90	27647.59	26632.02
60°	22221.72	21418.33	22307.21	22502.69	22307.21	21418.33	22221.72	21418.33	22307.21	22502.69	22307.21	21418.33
65°	17959.78	17527.18	18295.42	18235.66	18295.42	17527.18	17959.78	17527.18	18295.42	18235.66	18295.42	17527.18
70°	15177.19	14837.93	15672.11	14816.79	15672.11	14837.93	15177.19	14837.93	15672.11	14816.79	15672.11	14837.93
75°	13536.13	12855.62	13686.67	12868.78	13686.67	12855.62	13536.13	12855.62	13686.67	12868.78	13686.67	12855.62
80°	11659.56	10429.64	11251.36	10098.18	11251.36	10429.64	11659.56	10429.64	11251.36	10098.18	11251.36	10429.64
85°	7630.41	6051.12	6226.38	5576.91	6226.38	6051.12	7630.41	6051.12	6226.38	5576.91	6226.38	6051.12

