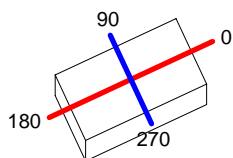


Luminaire		Measurem.		Lamp			
Code	5385	Code	5385	Code	DULUX L 18 W/827		
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12		
Line	VIBIA-Link	Date	22-05-2012	Position	Universal		
Efficiency		23.32%	Coordinate system	C-G	Total Flux	19200.00 lm	
Maximum value		73.92 cd/klm	Position	C=0.00 G=0.00	Double Symmetrical		
Rectangular Luminaire		Length	650 mm	Width	1200 mm	Height	200 mm
Rectangular Luminous Area		Length	630 mm	Width	1180 mm	Height	0 mm
Horizontal Luminous Area		0.743400 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°		0.179845 m2	
Symmetry Type		Double Symmetrical		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		19200.00 lm	
Operator		Asselum T2		Source voltage		230.00 V	
Temperature		22.00 °C		Source current		PRC	
Humidity		48.00 %		Photocell			
Notes							
Luminaire Lamps							
Line	Code	Name	Fluxlm	Pow.W	Qta		
OSRAM 2006 FB,T,G,C,FS,Q,M,D	DULUX L 18 W/827	DULUX® L 18W/827 2G11	1200.00	18.00	4		
PHILIPS 2005 ILCOS FBT,G,C,FSQ	PL-L24W/827/4P	MASTER PL-L 24W/827/4P 2G11	1800.00	24.00	8		
C.I.E.	43 74 94 100 23	D DIN 5040	A30				
F UTE	0.23 E	B NBN	BZ 5				

650mm x 1200mm



C Halfplanes

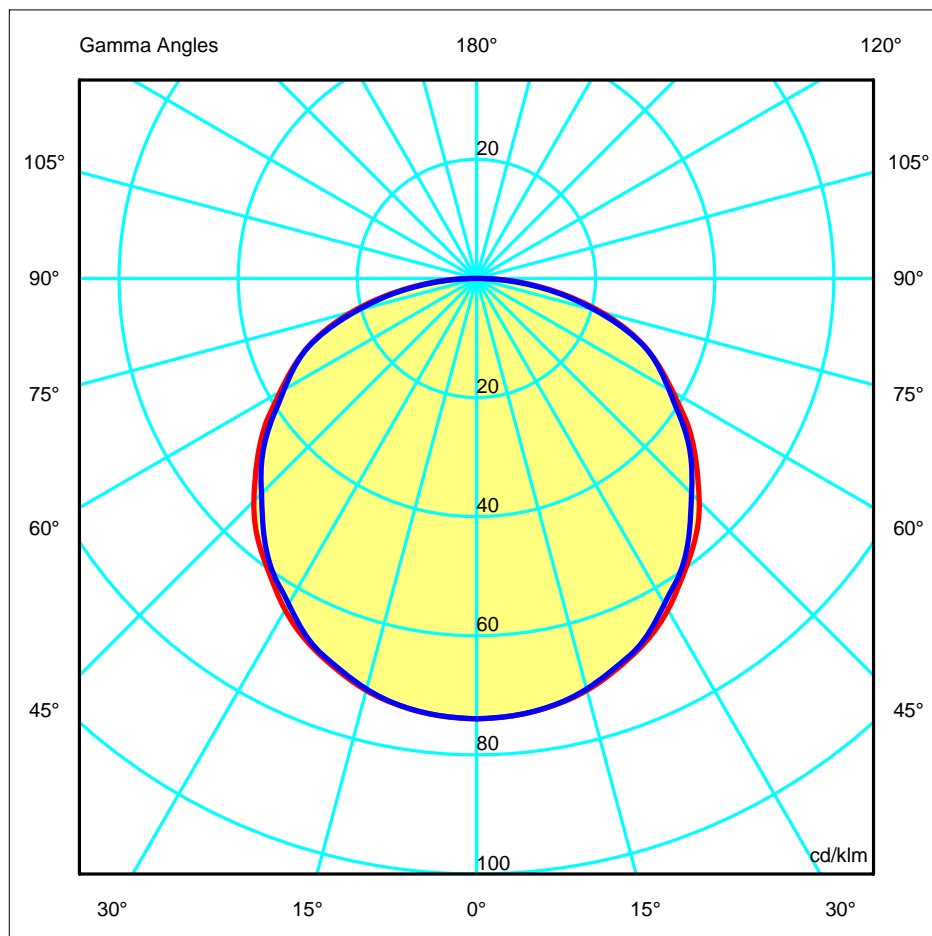
180.0 — 0.0

270.0 — 90.0

ULOR 0.00 %

DLOR 23.32 %

RN 0.00 %



Luminaire		Measurem.				Lamp					
Code	5385	Code	5385			Code	DULUX L 18 W/827				
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65			Number	12				
Line	VIBIA-Link	Date	22-05-2012			Position	Universal				
Efficiency		23.32%		Coordinate system		C-G		Total Flux		19200.00 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		73.92	73.92	73.92	73.92	73.92	73.92	73.92			
G 5.0		73.68	73.63	73.65	73.68	73.64	73.68	73.63			
G 10.0		72.90	72.71	72.78	72.70	72.78	72.69	72.85			
G 15.0		71.61	71.40	71.29	71.37	71.37	71.26	71.37			
G 20.0		69.57	69.40	69.44	69.37	69.22	69.33	69.21			
G 25.0		67.28	66.78	66.93	66.54	66.71	66.30	66.80			
G 30.0		64.27	63.97	63.73	63.71	63.33	63.42	63.07			
G 35.0		60.56	60.27	60.11	59.78	59.88	59.39	59.83			
G 40.0		57.14	56.21	56.23	55.74	55.78	55.65	55.59			
G 45.0		52.86	52.30	51.84	51.59	51.16	51.53	51.05			
G 50.0		48.13	47.60	46.83	46.41	46.66	46.19	47.03			
G 55.0		43.44	42.39	41.87	41.48	41.89	42.04	42.16			
G 60.0		38.04	36.96	36.32	36.07	36.44	37.42	37.26			
G 65.0		33.44	32.11	31.35	31.10	32.07	32.43	33.24			
G 70.0		28.22	26.67	26.32	26.42	27.15	27.74	27.87			
G 75.0		21.61	19.85	19.42	19.97	20.20	21.13	20.71			
G 80.0		14.34	12.40	12.72	13.03	13.15	13.40	13.79			
G 85.0		7.69	5.99	6.15	6.34	6.10	6.57	6.59			
G 90.0		0.61	0.68	0.75	0.87	0.88	0.92	0.86			

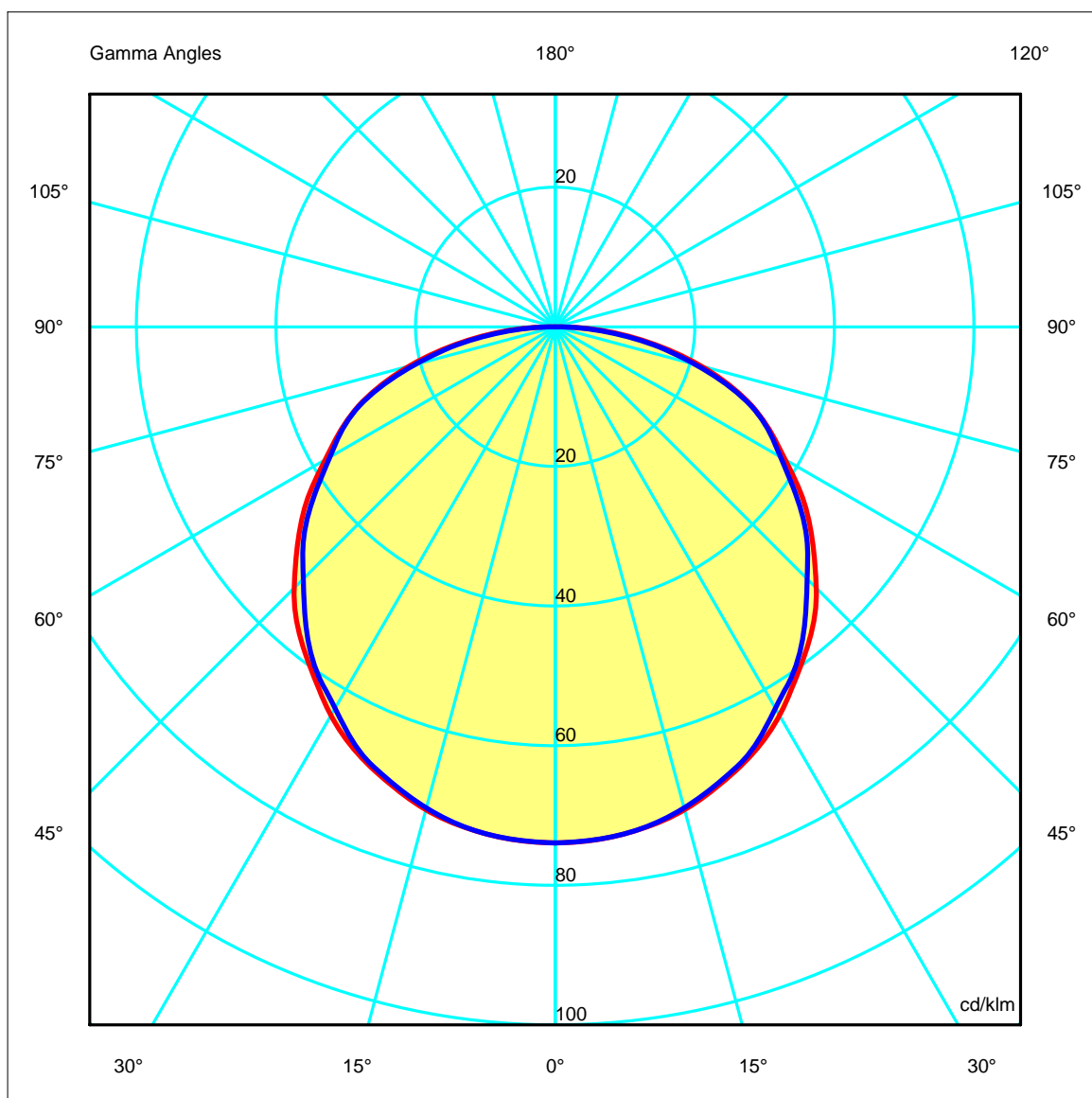
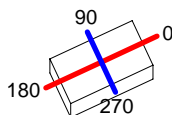
Luminaire		Measurem.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

650mm x 1200mm

C Halfplanes

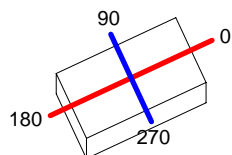
180.0 ————— 0.0

270.0 ————— 90.0



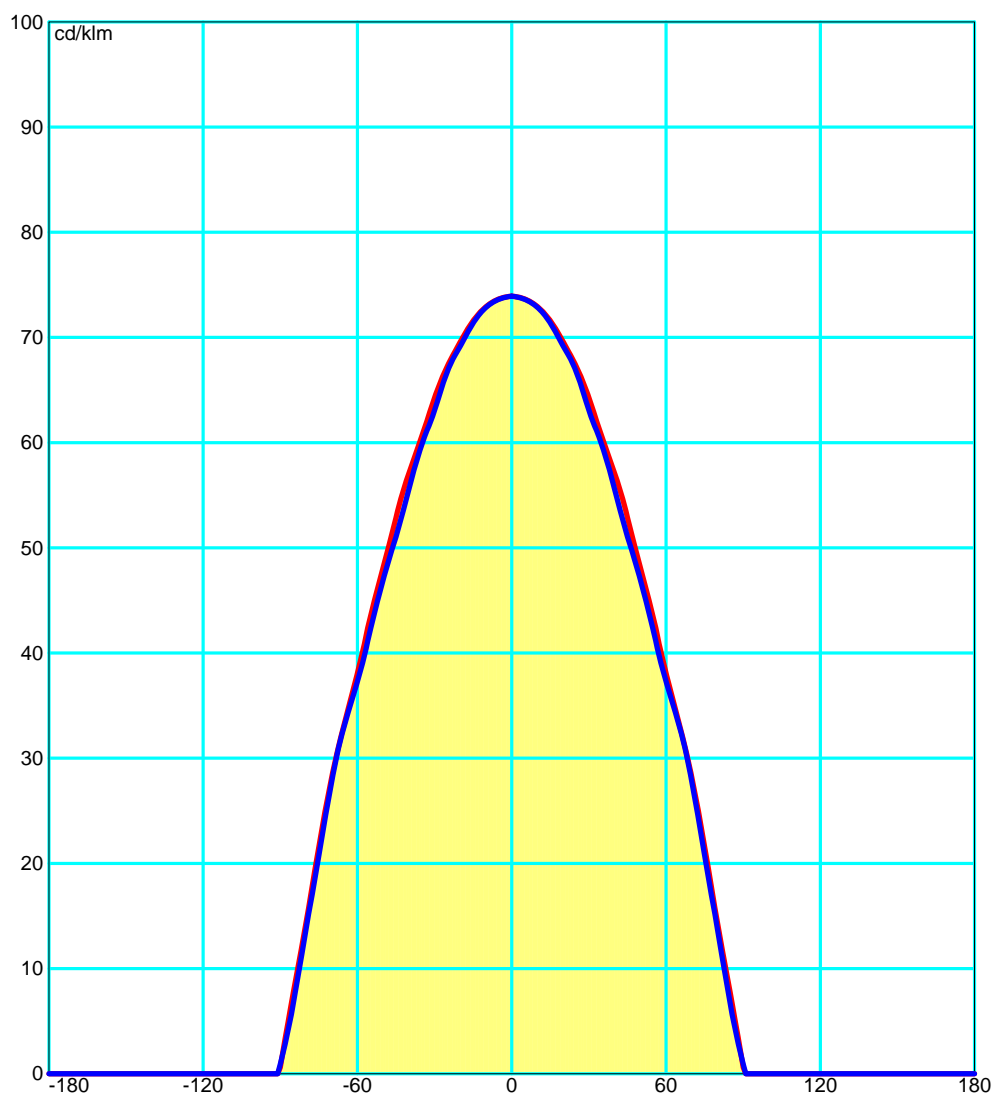
Luminaire		Measurem.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

650mm x 1200mm



C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0

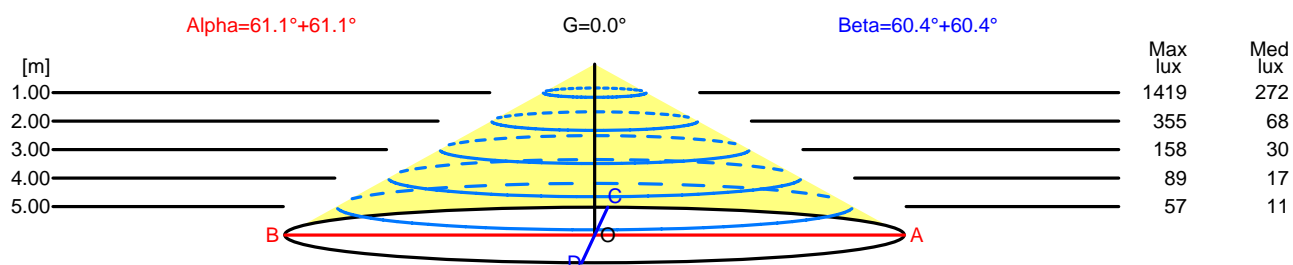


Luminaire		Measurem.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

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	1.81	3.62	5.44	7.25	9.06	OC	1.76	3.52	5.27	7.03	8.79
OB	1.81	3.62	5.44	7.25	9.06	OD	1.76	3.52	5.27	7.03	8.79

	0	5	15	25	35	45	55	65	75	85
OA	73.92	73.68	71.61	67.28	60.56	52.86	43.44	33.44	21.61	7.69
OB	73.92	73.68	71.61	67.28	60.56	52.86	43.44	33.44	21.61	7.69
OC	73.92	73.63	71.37	66.80	59.83	51.05	42.16	33.24	20.71	6.59
OD	73.92	73.63	71.37	66.80	59.83	51.05	42.16	33.24	20.71	6.59



H[m]	D[m]	Max lux	Med lux	Alpha=61.1°+61.1°	G=0.0
1.00	3.62	1419	272		
2.00	7.25	355	68		
3.00	10.87	158	30		
4.00	14.50	89	17		
5.00	18.12	57	11		

H[m]	D[m]	Max lux	Med lux	Beta=60.4°+60.4°	G=0.0
1.00	3.52	1419	272		
2.00	7.03	355	68		
3.00	10.55	158	30		
4.00	14.06	89	17		
5.00	17.58	57	11		

Luminaire		Measurem.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

Total Flux=19200.00 Luminaire Flux=4477.55

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	0.28	0.36	0.43	0.50	0.56	0.65	0.71	0.75	0.81	0.84	0.92	0.96
RC	6	6	6	6	6	6	6	6	6	6	6	5

Zonal Flux per 1000 Lumen

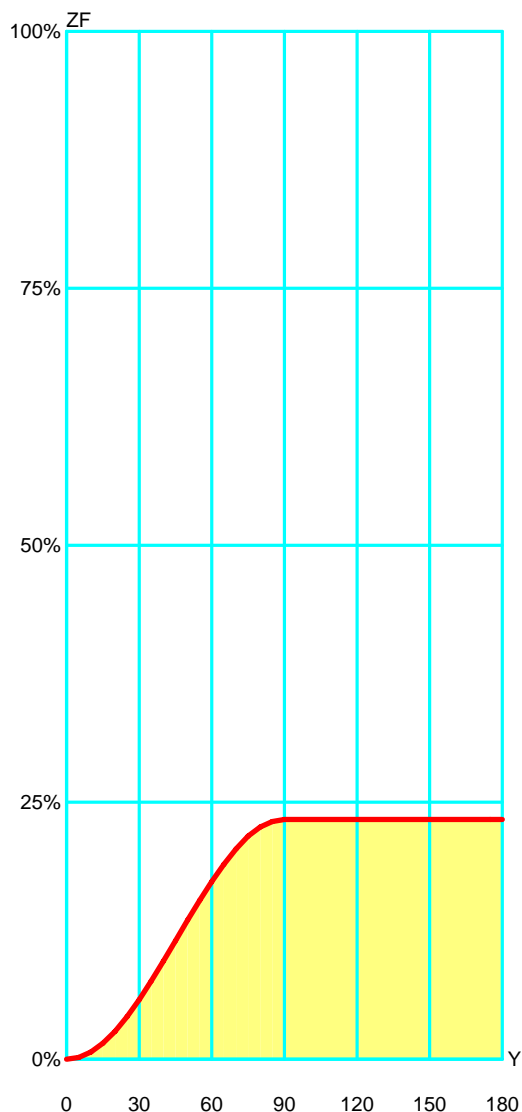
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	7	27	58	95	135	173	205	226	233	233	233	233	233	233	233	233	233	233

CIE Flux Codes

43 74 94 100 23

C.I.E.	6/6/6/6/6/6/6/6/6/5
D DIN 5040	A30
F UTE	0.23 E
B NBN	BZ 5
RN	0.00000 %
BLF	1.0

LOR	23.32058 %
ULOR	0.00000 %
DLOR	23.32058 %
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°	1.76	1.76	0.76 %	0.76 %
10°	5.24	7.00	2.25 %	3.00 %
15°	8.55	15.55	3.67 %	6.67 %
20°	11.60	27.15	4.97 %	11.64 %
25°	14.27	41.42	6.12 %	17.76 %
30°	16.50	57.92	7.07 %	24.83 %
35°	18.20	76.11	7.80 %	32.64 %
40°	19.34	95.46	8.29 %	40.93 %
45°	19.95	115.40	8.55 %	49.49 %
50°	19.93	135.33	8.54 %	58.03 %
55°	19.34	154.67	8.29 %	66.32 %
60°	18.23	172.91	7.82 %	74.14 %
65°	16.74	189.65	7.18 %	81.32 %
70°	14.97	204.62	6.42 %	87.74 %
75°	12.38	217.00	5.31 %	93.05 %
80°	8.94	225.94	3.83 %	96.88 %
85°	5.30	231.24	2.27 %	99.16 %
90°	1.97	233.21	0.84 %	100.00 %
95°	0.00	233.21	0.00 %	100.00 %
100°	0.00	233.21	0.00 %	100.00 %
105°	0.00	233.21	0.00 %	100.00 %
110°	0.00	233.21	0.00 %	100.00 %
115°	0.00	233.21	0.00 %	100.00 %
120°	0.00	233.21	0.00 %	100.00 %
125°	0.00	233.21	0.00 %	100.00 %
130°	0.00	233.21	0.00 %	100.00 %
135°	0.00	233.21	0.00 %	100.00 %
140°	0.00	233.21	0.00 %	100.00 %
145°	0.00	233.21	0.00 %	100.00 %
150°	0.00	233.21	0.00 %	100.00 %
155°	0.00	233.21	0.00 %	100.00 %
160°	0.00	233.21	0.00 %	100.00 %
165°	0.00	233.21	0.00 %	100.00 %
170°	0.00	233.21	0.00 %	100.00 %
175°	0.00	233.21	0.00 %	100.00 %
180°	0.00	233.21	0.00 %	100.00 %

Luminaire		Measur.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

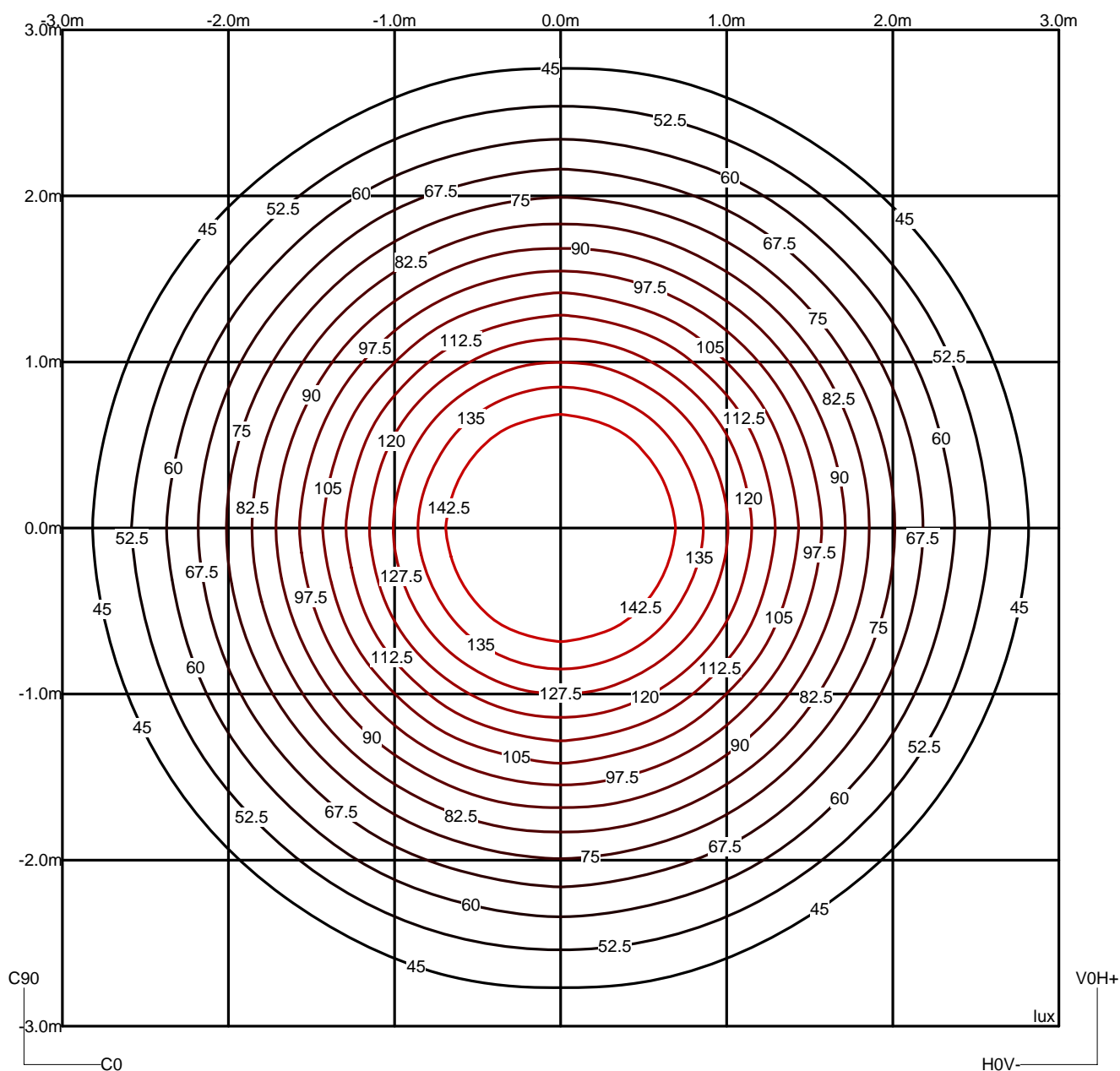
UGR
S = 0.250

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	14.8	16.2	15.1	16.4	16.7	14.8	16.2	15.1	16.4	16.7
x=2H y=3H	16.9	18.1	17.2	18.4	18.7	16.9	18.2	17.2	18.4	18.7
x=2H y=4H	17.8	19.0	18.2	19.3	19.7	17.9	19.1	18.2	19.4	19.7
x=2H y=6H	18.6	19.7	18.9	20.0	20.4	18.7	19.8	19.0	20.1	20.4
x=2H y=8H	18.9	20.0	19.2	20.3	20.7	18.9	20.0	19.3	20.3	20.7
x=2H y=12H	19.1	20.1	19.5	20.4	20.8	19.1	20.1	19.5	20.5	20.8
x=4H y=2H	15.7	16.9	16.0	17.1	17.5	15.7	16.9	16.0	17.1	17.5
x=4H y=3H	17.9	18.9	18.3	19.3	19.6	18.0	19.0	18.4	19.3	19.6
x=4H y=4H	19.0	19.9	19.3	20.2	20.7	19.1	20.0	19.4	20.3	20.7
x=4H y=6H	19.8	20.6	20.2	20.9	21.5	19.9	20.8	20.4	21.1	21.5
x=4H y=8H	20.1	20.9	20.6	21.2	21.8	20.3	21.0	20.7	21.4	21.8
x=4H y=12H	20.4	21.1	20.9	21.5	22.0	20.6	21.2	21.0	21.6	22.0
x=8H y=4H	19.4	20.1	19.8	20.5	21.0	19.5	20.2	19.9	20.6	21.0
x=8H y=6H	20.4	21.0	20.9	21.4	22.1	20.5	21.2	21.0	21.6	22.1
x=8H y=8H	20.8	21.4	21.3	21.8	22.4	21.0	21.5	21.4	22.0	22.4
x=8H y=12H	21.2	21.6	21.7	22.1	22.8	21.3	21.8	21.8	22.2	22.8
x=12H y=4H	19.5	20.1	19.9	20.5	21.0	19.6	20.2	20.0	20.6	21.0
x=12H y=6H	20.5	21.0	21.0	21.5	22.1	20.7	21.2	21.1	21.6	22.1
x=12H y=8H	21.0	21.4	21.5	21.9	22.6	21.1	21.6	21.6	22.0	22.6

Luminaire		Measurem.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

Isolux (Floor)

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



Luminaire				Measur.				Lamp			
Code	5385			Code	5385			Code	DULUX L 18 W/827		
Name	Triple ceiling lamp 130x65			Name	Triple ceiling lamp 130x65			Number	12		
Line	VIBIA-Link			Date	22-05-2012			Position	Universal		
Efficiency	23.32%			Coordinate system	C-G			Total Flux	19200.00 lm		

Utilizations CIE

Mounting	Direct		114-Norm type Normalised										Suspension Ratio 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	112	109	99	96	107	95	85	83	77	76	65	64	56	55	75	64	63	55	55	63	55	55	50								
0.80	127	124	109	107	121	105	99	97	88	86	75	74	66	65	85	74	74	66	65	73	65	65	60								
1.00	137	134	115	113	131	111	109	107	95	94	83	82	74	73	92	82	81	73	73	81	73	72	66								
1.25	146	143	120	118	140	116	119	117	102	100	90	89	81	80	99	89	88	80	80	87	80	79	72								
1.50	153	150	123	121	146	120	127	124	106	105	95	94	87	86	103	94	93	86	85	92	85	85	77								
2.00	160	158	125	124	153	122	136	134	111	109	101	100	93	92	107	99	99	92	92	98	91	90	82								
2.50	164	162	125	124	157	122	142	140	113	112	105	104	98	97	110	103	102	96	96	101	95	94	85								
3.00	167	165	125	124	160	122	147	144	114	113	107	106	101	100	111	105	104	99	99	103	98	97	87								
4.00	171	170	126	125	164	123	153	151	117	116	111	110	105	104	114	108	108	104	103	106	102	101	90								
5.00	175	173	126	126	167	124	158	156	119	118	114	113	109	108	116	111	111	107	107	109	105	104	93								
10.00	181	180	127	127	173	125	168	167	122	122	119	119	116	116	119	117	116	114	114	114	112	110	98								
20.00	181	181	125	124	174	123	171	170	121	121	120	119	118	118	118	117	117	115	115	114	113	111	98								

Working Pl.

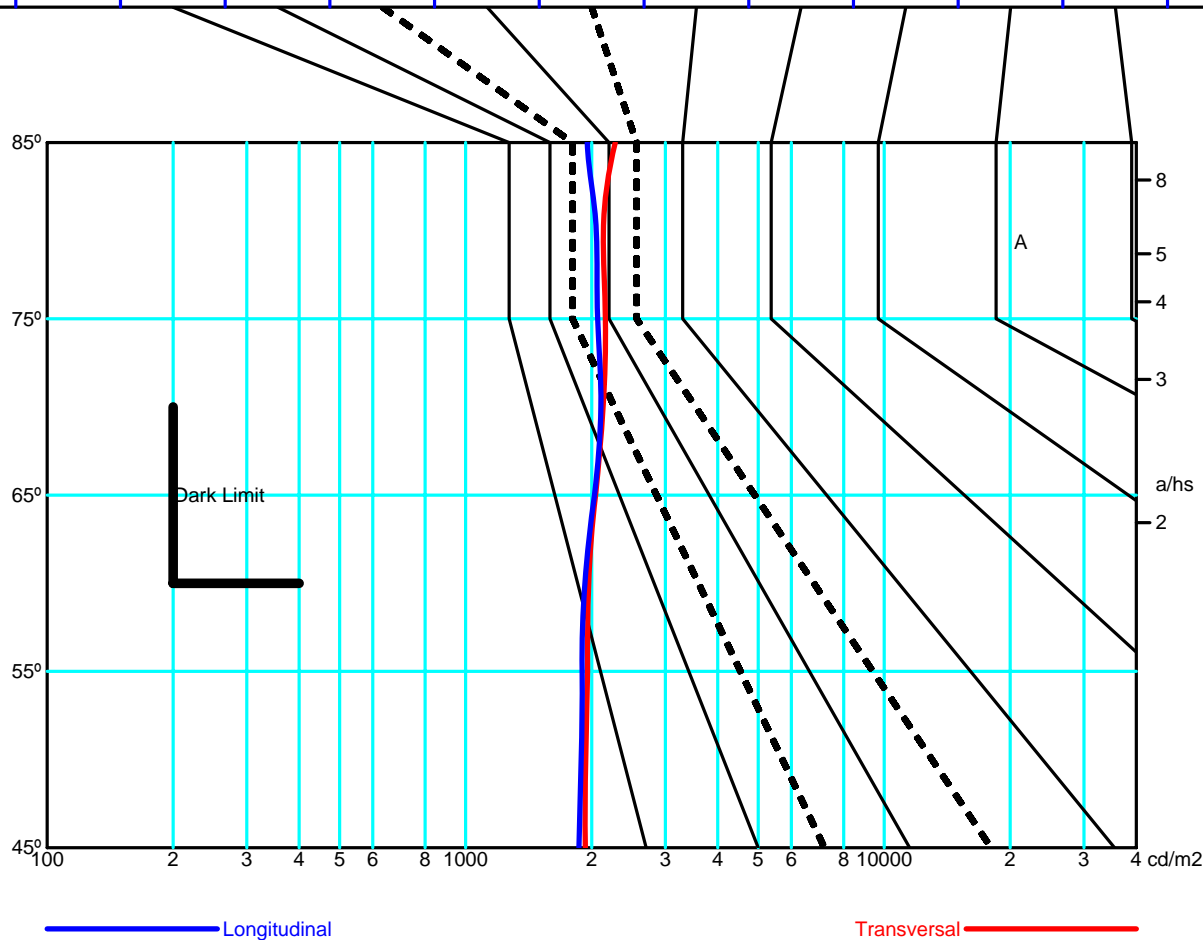
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000								
0.60	134	131	125	123	129	122	102	100	98	97	82	81	70	70	96	81	81	70	70	80	70	70	66								
0.80	159	156	146	144	153	142	125	122	119	117	102	101	90	89	116	101	100	89	89	100	89	89	84								
1.00	179	175	163	160	171	158	144	141	136	134	120	118	107	106	132	118	117	106	106	116	106	105	101								
1.25	197	194	178	176	189	173	163	160	153	151	137	135	124	123	148	135	134	123	123	133	122	122	117								
1.50	211	208	188	187	202	184	178	175	165	163	150	148	138	137	160	148	147	137	136	145	136	135	131								
2.00	231	228	204	203	222	199	201	197	184	182	171	169	160	158	179	168	167	158	157	165	156	155	151								
2.50	245	242	214	213	235	209	216	213	196	195	185	183	175	173	191	181	180	172	171	178	170	169	165								
3.00	254	252	220	219	244	216	227	224	205	203	194	193	185	184	199	191	190	183	182	187	181	179	175								
4.00	266	264	228	228	256	225	242	239	215	214	207	206	199	198	210	203	202	196	196	199	194	191	188								
5.00	274	272	233	233	263	230	251	249	222	221	215	214	208	207	217	210	210	205	204	207	202	199	196								
10.00	290	289	243	243	278	240	272	270	236	235	232	231	228	227	230	227	227	224	223	223	220	216	214								
20.00	298	298	249	248	287	246	283	282	243	243	241	241	239	239	238	236	236	235	234	232	230	226	223								

LM53 SHR C0-C180: 1.286 SHR C90-C270: 1.262 SHR Square: 1.408

Luminaire		Measur.		Lamp	
Code	5385	Code	5385	Code	DULUX L 18 W/827
Name	Triple ceiling lamp 130x65	Name	Triple ceiling lamp 130x65	Number	12
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	23.32%	Coordinate system	C-G	Total Flux	19200.00 lm

Average Luminance [cd/m²]										
0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
1930.9	1930.9	1934.0	1956.1	1965.1	2043.7	2130.7	2156.5	2133.1	2277.8	---
1864.6	1864.6	1889.5	1898.2	1924.8	2031.5	2104.4	2067.0	2051.7	1951.7	---

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 5385
 Name Triple ceiling lamp 130x65
 Line VIBIA-Link

Measur.

Code 5385
 Name Triple ceiling lamp 130x65
 Date 22-05-2012

Lamp

Code DULUX L 18 W/827
 Number 12
 Position Universal

Efficiency 23.32% Coordinate system C-G Total Flux 19200.00 lm

Luminance

G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23	1909.23
5°	1910.15	1909.57	1909.09	1909.05	1909.09	1909.57	1910.15	1909.57	1909.09	1909.05	1909.09	1909.57
10°	1911.82	1908.67	1908.64	1910.58	1908.64	1908.67	1911.82	1908.67	1908.64	1910.58	1908.64	1908.67
15°	1914.86	1906.15	1908.33	1908.28	1908.33	1906.15	1914.86	1906.15	1908.33	1908.28	1908.33	1906.15
20°	1912.11	1908.49	1902.48	1902.09	1902.48	1908.49	1912.11	1908.49	1902.48	1902.09	1902.48	1908.49
25°	1917.25	1907.41	1901.13	1903.54	1901.13	1907.41	1917.25	1907.41	1901.13	1903.54	1901.13	1907.41
30°	1916.71	1900.71	1888.79	1881.01	1888.79	1900.71	1916.71	1900.71	1888.79	1881.01	1888.79	1900.71
35°	1909.50	1895.08	1887.92	1886.54	1887.92	1895.08	1909.50	1895.08	1887.92	1886.54	1887.92	1895.08
40°	1926.49	1895.80	1880.48	1874.29	1880.48	1895.80	1926.49	1895.80	1880.48	1874.29	1880.48	1895.80
45°	1930.88	1893.33	1868.74	1864.61	1868.74	1893.33	1930.88	1893.33	1868.74	1864.61	1868.74	1893.33
50°	1933.97	1881.81	1874.87	1889.51	1874.87	1881.81	1933.97	1881.81	1874.87	1889.51	1874.87	1881.81
55°	1956.13	1885.17	1886.40	1898.22	1886.40	1885.17	1956.13	1885.17	1886.40	1898.22	1886.40	1885.17
60°	1965.11	1875.88	1882.08	1924.76	1882.08	1875.88	1965.11	1875.88	1882.08	1924.76	1882.08	1875.88
65°	2043.72	1915.62	1959.75	2031.47	1959.75	1915.62	2043.72	1915.62	1959.75	2031.47	1959.75	1915.62
70°	2130.75	1987.45	2050.57	2104.42	2050.57	1987.45	2130.75	1987.45	2050.57	2104.42	2050.57	1987.45
75°	2156.46	1938.32	2015.45	2067.03	2015.45	1938.32	2156.46	1938.32	2015.45	2067.03	2015.45	1938.32
80°	2133.09	1891.79	1956.48	2051.71	1956.48	1891.79	2133.09	1891.79	1956.48	2051.71	1956.48	1891.79
85°	2277.79	1821.72	1807.81	1951.74	1807.81	1821.72	2277.79	1821.72	1807.81	1951.74	1807.81	1821.72

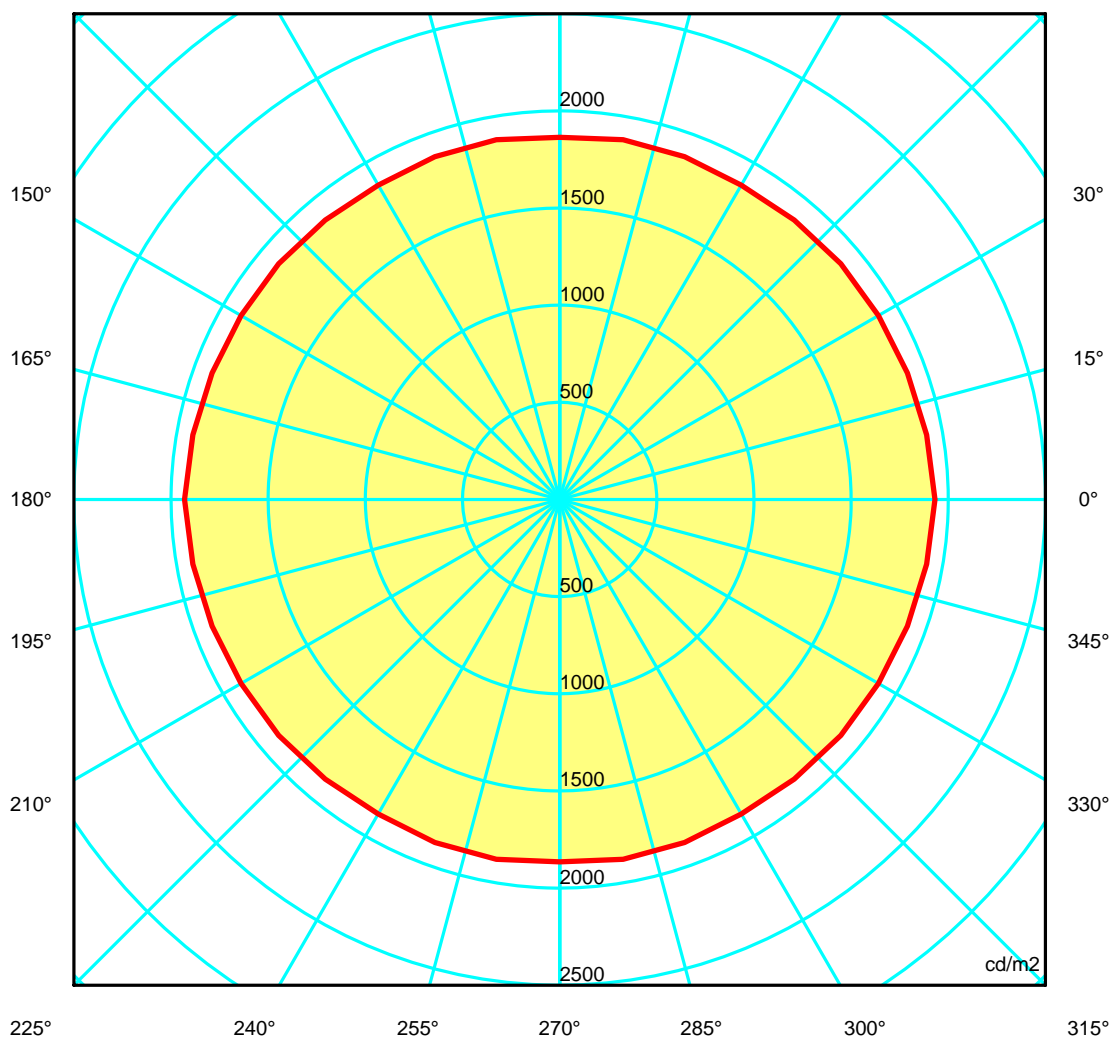
C Halfplanes

90°

75°

60°

45°



45.0°