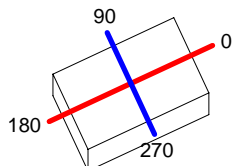


<b>Luminaire</b>			<b>Measurem.</b>			<b>Lamp</b>		
Code	5380		Code	5380		Code	DULUX L 18 W/827	
Name	Double ceiling lamp dim.		Name	Double ceiling lamp dim.		Number	8	
Line	VIBIA-Link		Date	22-05-2012		Position	Universal	
Efficiency			20.84%		Coordinate system		C-G	
Total Flux			12000.00 lm					
Maximum value			67.34 cd/klm		Position		C=0.00 G=0.00	
Double Symmetrical								
Rectangular Luminaire			Length		560 mm		Width	
Rectangular Luminous Area			Length		540 mm		900 mm	
							Height	
							165 mm	
Horizontal Luminous Area			0.475200 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°		0.114961 m2	
Symmetry Type			Double Symmetrical		Maximum Gamma Angle		90	
Measurement Distance			6.44		Measurement Flux		12000.00 lm	
Operator			Asselum T2		Source voltage		230.00 V	
Temperature			20.00 °C		Source current		PRC	
Humidity			52.00 %		Photocell			
Notes								
<b>Luminaire Lamps</b>								
Line			Code		Name		Fluxlm	
OSRAM 2006 FB,T,G,C,FS,Q,M,D			DULUX L 18 W/827		DULUX® L 18W/827 2G11		1200.00	
PHILIPS 2005 ILCOS FBT,G,C,FSQ			PL-L24W/827/4P		MASTER PL-L 24W/827/4P 2G11		1800.00	
							Pow.W	
							18.00	
							24.00	
							Qta	
							4	
							4	
C.I.E.			44 75 94 100 21		D DIN 5040		A30	
F UTE			0.21 E		B NBN		BZ 5	

560mm x 900mm



C Halfplanes

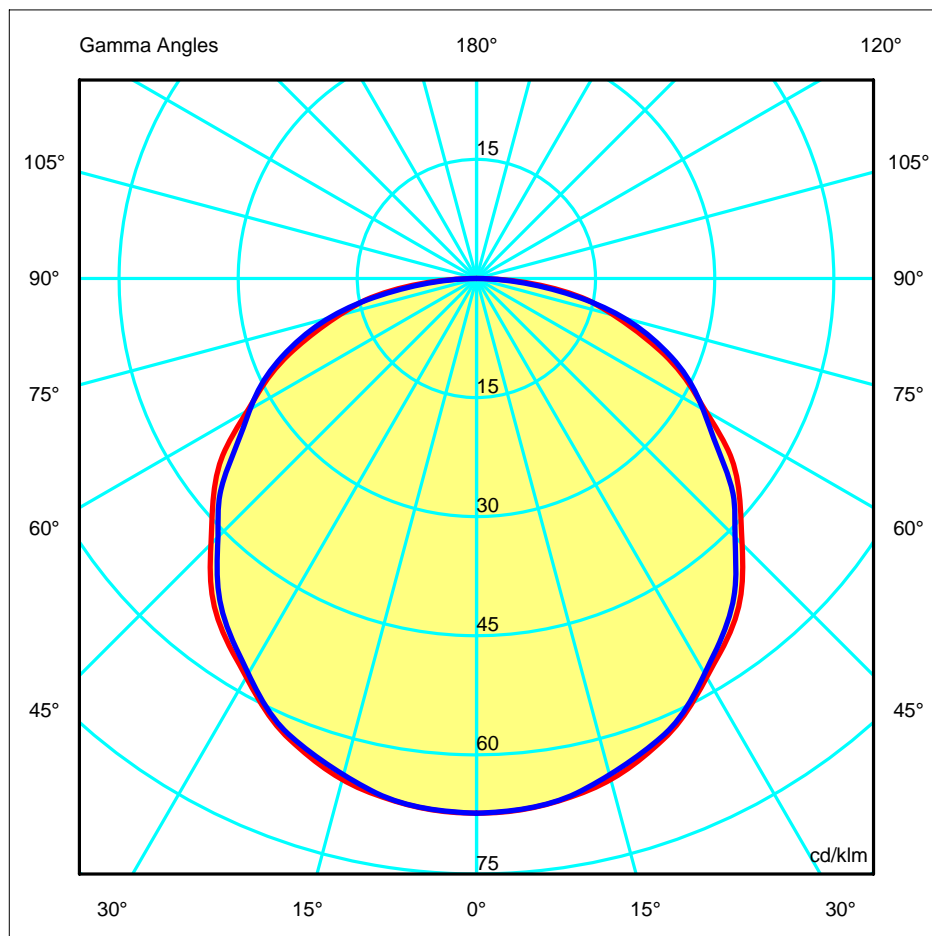
180.0 — 0.0

270.0 — 90.0

ULOR 0.00 %

DLOR 20.84 %

RN 0.00 %



<b>Luminaire</b>		<b>Measurem.</b>				<b>Lamp</b>	
Code	5380	Code	5380			Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.			Number	8
Line	VIBIA-Link	Date	22-05-2012			Position	Universal
Efficiency	20.84%	Coordinate system	C-G			Total Flux	12000.00 lm
<b>Luminous Intensity Table cd/klm</b>				<b>Table 1/1</b>			
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	67.34	67.34	67.34	67.34	67.34	67.34	67.34
G 5.0	67.13	67.05	67.03	67.04	67.02	67.05	67.06
G 10.0	66.42	66.14	66.13	66.30	66.24	66.22	66.30
G 15.0	65.32	64.75	64.76	64.82	64.87	64.77	64.69
G 20.0	63.48	62.90	62.92	62.92	62.93	62.91	62.98
G 25.0	61.16	60.39	60.40	60.67	60.61	60.57	60.82
G 30.0	57.97	57.38	57.64	57.40	57.47	57.55	57.45
G 35.0	55.17	54.19	54.40	54.28	54.30	54.25	54.32
G 40.0	51.83	50.62	50.49	50.30	50.50	50.55	50.67
G 45.0	47.29	46.39	46.33	46.08	46.08	46.10	46.04
G 50.0	43.27	41.70	41.78	41.99	41.77	41.86	42.15
G 55.0	39.07	37.10	37.23	36.97	37.20	37.25	36.97
G 60.0	33.30	32.04	32.06	32.16	32.45	32.63	32.93
G 65.0	28.59	26.90	26.68	27.72	28.07	28.54	29.18
G 70.0	23.21	21.73	21.85	22.16	23.75	24.27	24.53
G 75.0	17.93	16.51	17.02	18.07	19.24	18.91	19.24
G 80.0	13.25	11.46	11.76	11.93	12.25	12.58	12.48
G 85.0	6.62	5.33	5.15	5.25	5.19	5.70	5.45
G 90.0	0.48	0.42	0.44	0.46	0.48	0.51	0.49

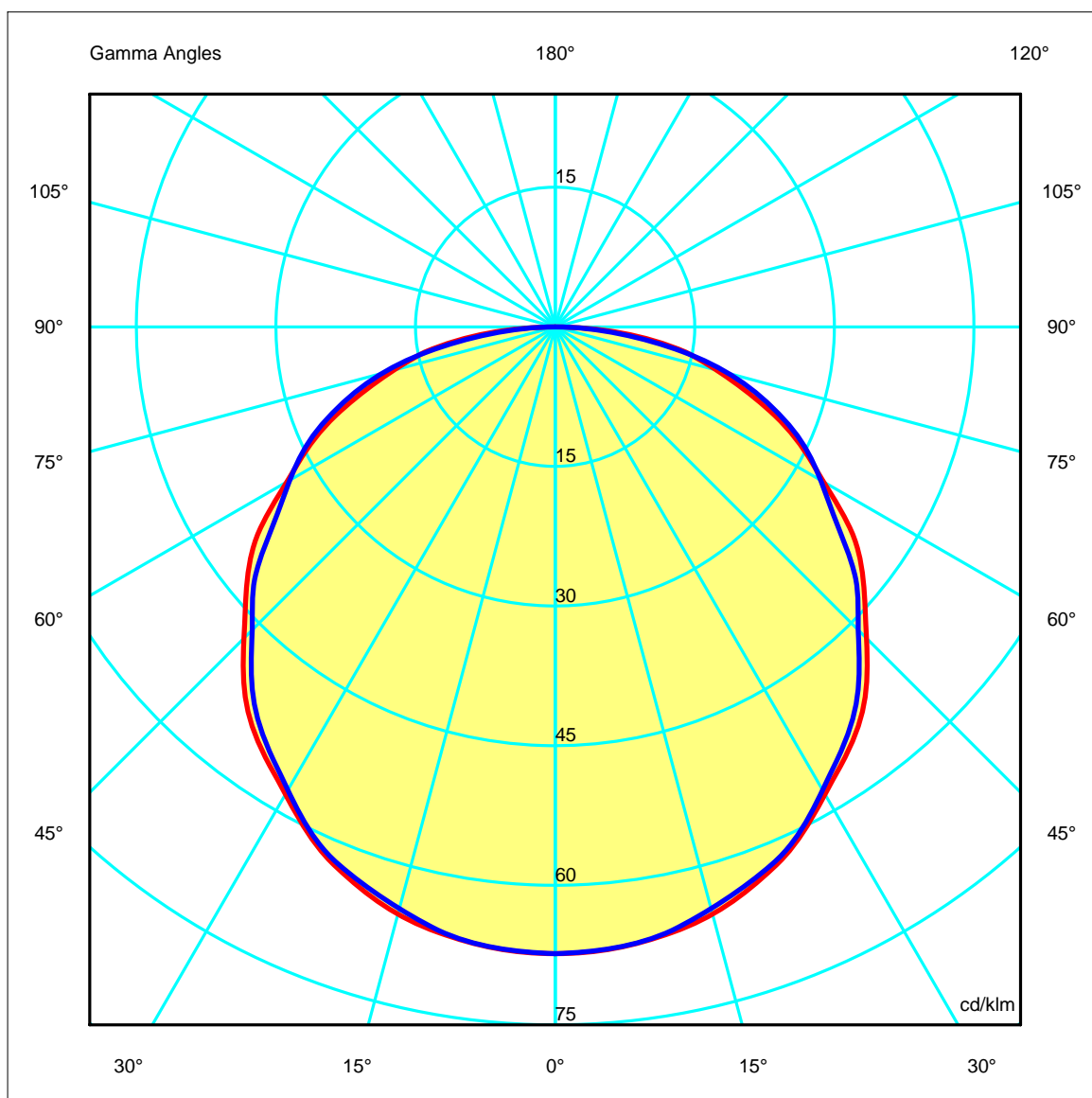
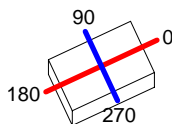
<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

560mm x 900mm

C Halfplanes

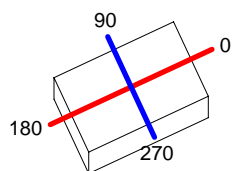
180.0 ————— 0.0

270.0 ————— 90.0



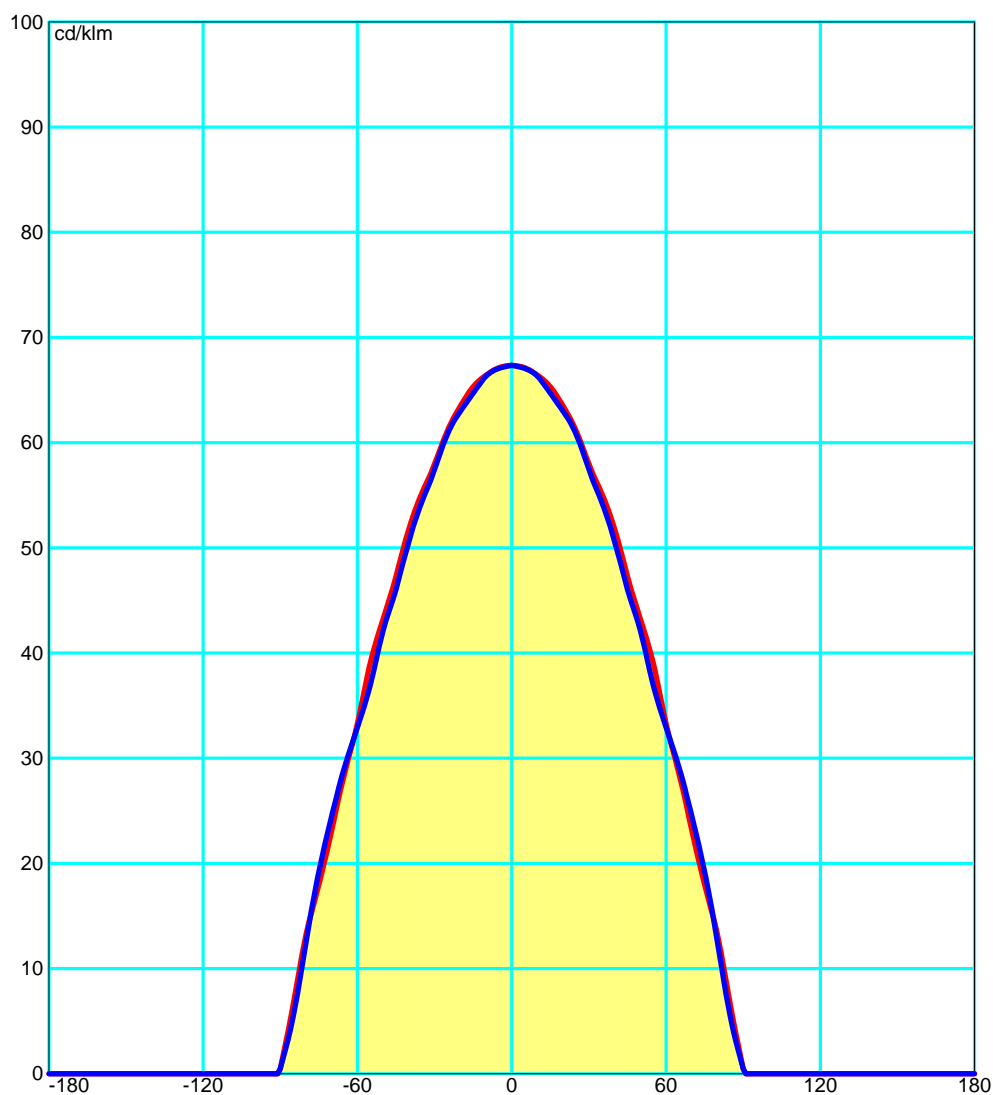
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

560mm x 900mm



C Halfplanes

180.0 ————— 0.0  
 270.0 ————— 90.0

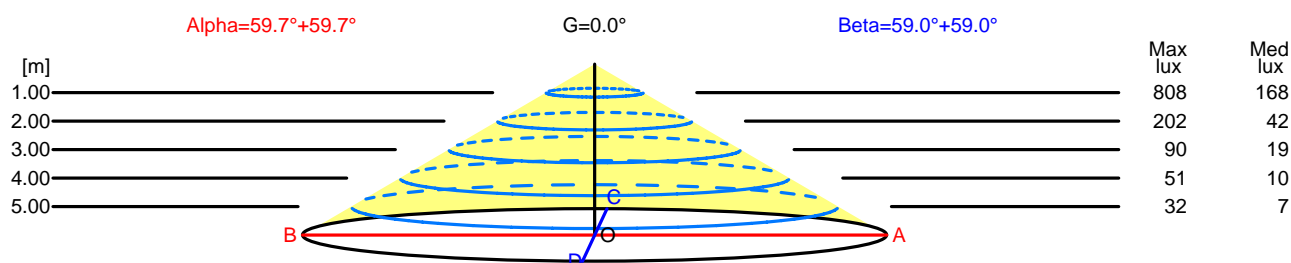


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

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	1.71	3.42	5.13	6.84	8.55	OC	1.66	3.32	4.99	6.65	8.31
OB	1.71	3.42	5.13	6.84	8.55	OD	1.66	3.32	4.99	6.65	8.31

	0	5	15	25	35	45	55	65	75	85
OA	67.34	67.13	65.32	61.16	55.17	47.29	39.07	28.59	17.93	6.62
OB	67.34	67.13	65.32	61.16	55.17	47.29	39.07	28.59	17.93	6.62
OC	67.34	67.06	64.69	60.82	54.32	46.04	36.97	29.18	19.24	5.45
OD	67.34	67.06	64.69	60.82	54.32	46.04	36.97	29.18	19.24	5.45



H[m]	D[m]	Max lux	Med lux	Alpha=59.7°+59.7°	G=0.0
1.00	3.42	808	168		
2.00	6.84	202	42		
3.00	10.25	90	19		
4.00	13.67	51	10		
5.00	17.09	32	7		

H[m]	D[m]	Max lux	Med lux	Beta=59.0°+59.0°	G=0.0
1.00	3.32	808	168		
2.00	6.65	202	42		
3.00	9.97	90	19		
4.00	13.30	51	10		
5.00	16.62	32	7		

<b>Luminaire</b>				<b>Measur.</b>				<b>Lamp</b>			
Code	5380			Code	5380			Code	DULUX L 18 W/827		
Name	Double ceiling lamp dim.			Name	Double ceiling lamp dim.			Number	8		
Line	VIBIA-Link			Date	22-05-2012			Position	Universal		
Efficiency	20.84%			Coordinate system	C-G			Total Flux	12000.00 lm		

Total Flux=12000.00 Luminaire Flux=2500.47

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	0.29	0.37	0.44	0.51	0.56	0.65	0.71	0.75	0.81	0.84	0.92	0.96
RC	5	5	5	6	6	6	6	6	6	6	6	5

Zonal Flux per 1000 Lumen

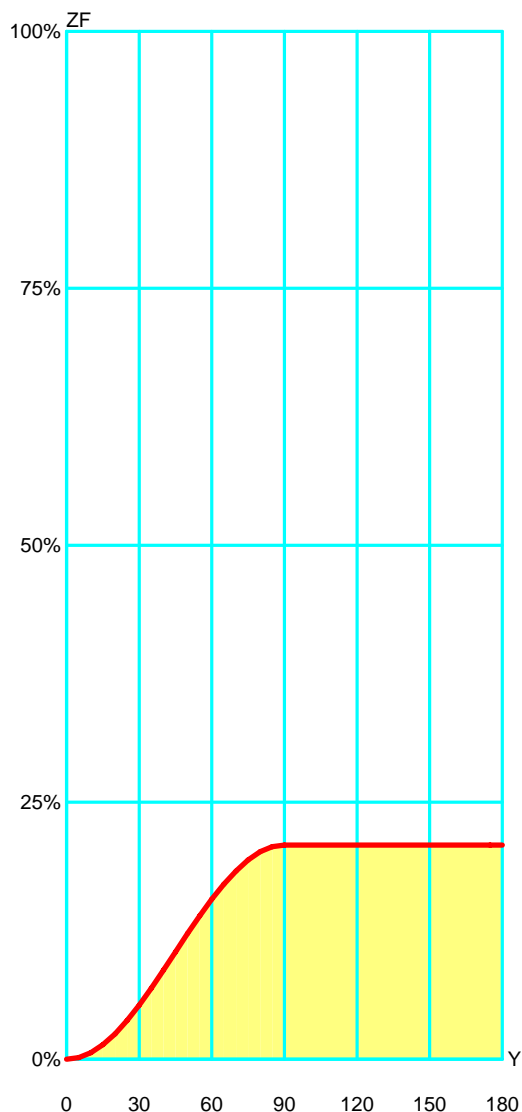
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	6	25	53	87	122	156	183	202	208	208	208	208	208	208	208	208	208	208

CIE Flux Codes

44 75 94 100 21

C.I.E. 5/5/5/6/6/6/6/6/6/5  
D DIN 5040 A30  
F UTE 0.21 E  
B NBN BZ 5  
RN 0.00000 %  
BLF 1.0

LOR 20.83728 %  
ULOR 0.00000 %  
DLOR 20.83728 %  
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°	1.61	1.61	0.77 %	0.77 %
10°	4.77	6.37	2.29 %	3.06 %
15°	7.77	14.15	3.73 %	6.79 %
20°	10.53	24.68	5.05 %	11.84 %
25°	12.96	37.64	6.22 %	18.06 %
30°	14.95	52.59	7.17 %	25.24 %
35°	16.48	69.07	7.91 %	33.15 %
40°	17.51	86.58	8.41 %	41.55 %
45°	17.94	104.52	8.61 %	50.16 %
50°	17.83	122.35	8.56 %	58.72 %
55°	17.23	139.59	8.27 %	66.99 %
60°	16.11	155.70	7.73 %	74.72 %
65°	14.64	170.34	7.02 %	81.75 %
70°	12.85	183.18	6.17 %	87.91 %
75°	10.71	193.90	5.14 %	93.05 %
80°	8.08	201.98	3.88 %	96.93 %
85°	4.78	206.75	2.29 %	99.22 %
90°	1.62	208.37	0.78 %	100.00 %
95°	0.00	208.37	0.00 %	100.00 %
100°	0.00	208.37	0.00 %	100.00 %
105°	0.00	208.37	0.00 %	100.00 %
110°	0.00	208.37	0.00 %	100.00 %
115°	0.00	208.37	0.00 %	100.00 %
120°	0.00	208.37	0.00 %	100.00 %
125°	0.00	208.37	0.00 %	100.00 %
130°	0.00	208.37	0.00 %	100.00 %
135°	0.00	208.37	0.00 %	100.00 %
140°	0.00	208.37	0.00 %	100.00 %
145°	0.00	208.37	0.00 %	100.00 %
150°	0.00	208.37	0.00 %	100.00 %
155°	0.00	208.37	0.00 %	100.00 %
160°	0.00	208.37	0.00 %	100.00 %
165°	0.00	208.37	0.00 %	100.00 %
170°	0.00	208.37	0.00 %	100.00 %
175°	0.00	208.37	0.00 %	100.00 %
180°	0.00	208.37	0.00 %	100.00 %

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

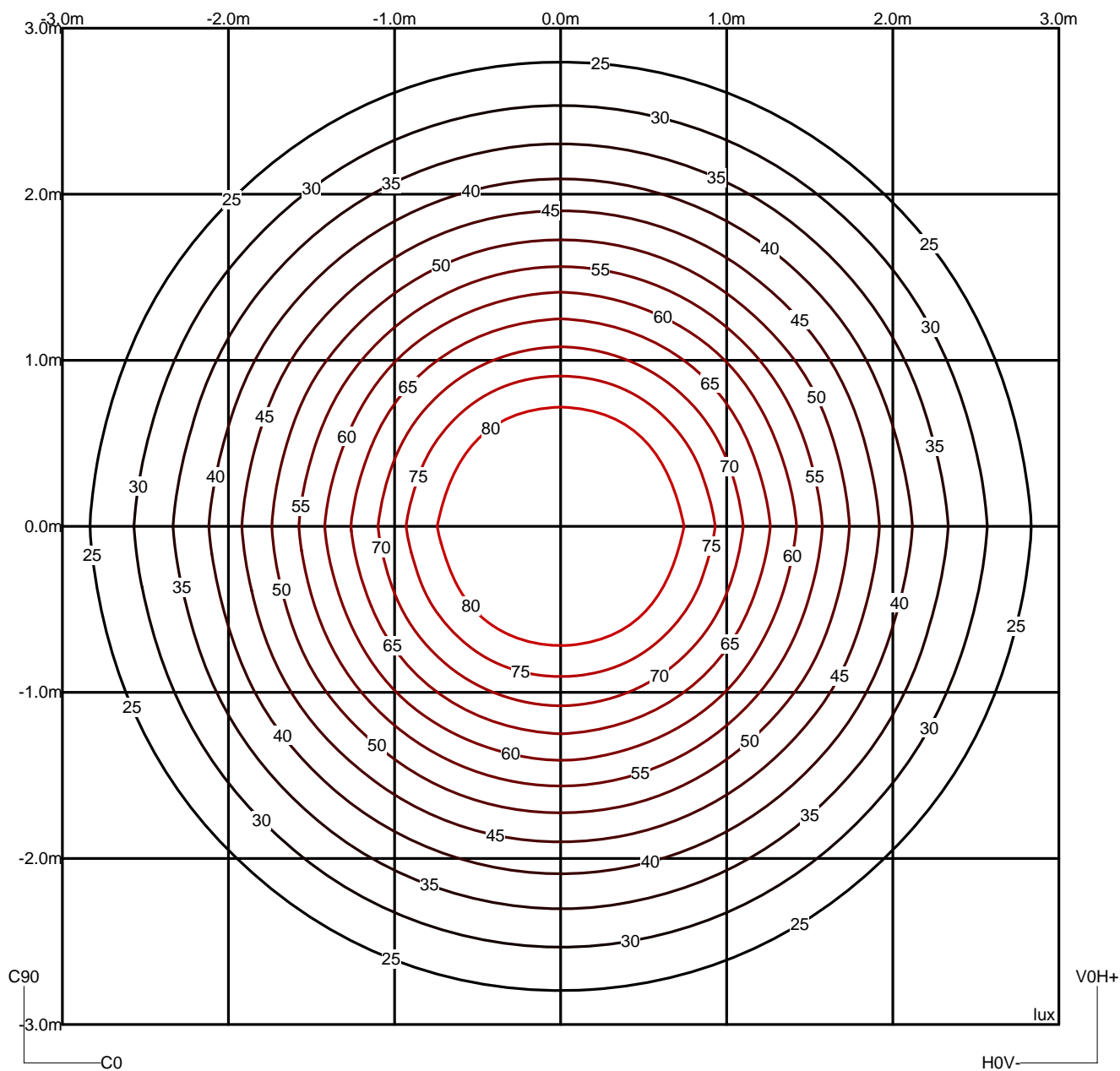
**UGR**  
S = 0.250

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	14.2	15.6	14.5	15.8	16.1	14.3	15.6	14.5	15.8	16.1
x=2H y=3H	16.1	17.4	16.4	17.6	18.2	16.4	17.6	16.7	17.9	18.2
x=2H y=4H	17.0	18.1	17.3	18.5	19.2	17.4	18.5	17.7	18.9	19.2
x=2H y=6H	17.8	18.9	18.2	19.3	19.9	18.2	19.3	18.6	19.7	19.9
x=2H y=8H	18.1	19.2	18.5	19.5	20.1	18.4	19.5	18.8	19.8	20.1
x=2H y=12H	18.4	19.4	18.8	19.7	20.3	18.6	19.6	19.0	19.9	20.3
x=4H y=2H	15.1	16.2	15.4	16.6	16.9	15.1	16.3	15.4	16.6	16.9
x=4H y=3H	17.1	18.1	17.5	18.4	19.1	17.4	18.4	17.8	18.7	19.1
x=4H y=4H	18.1	19.0	18.6	19.4	20.2	18.6	19.5	19.0	19.9	20.2
x=4H y=6H	19.1	19.9	19.5	20.3	21.1	19.5	20.3	20.0	20.8	21.1
x=4H y=8H	19.5	20.2	19.9	20.6	21.4	19.9	20.6	20.3	21.0	21.4
x=4H y=12H	19.8	20.5	20.2	20.9	21.6	20.1	20.8	20.5	21.2	21.6
x=8H y=4H	18.6	19.4	19.1	19.8	20.5	19.0	19.7	19.5	20.2	20.5
x=8H y=6H	19.8	20.3	20.2	20.8	21.7	20.2	20.7	20.6	21.2	21.7
x=8H y=8H	20.2	20.7	20.7	21.2	22.1	20.6	21.1	21.0	21.5	22.1
x=8H y=12H	20.6	21.1	21.1	21.5	22.4	20.9	21.4	21.4	21.8	22.4
x=12H y=4H	18.7	19.4	19.1	19.8	20.6	19.1	19.7	19.5	20.2	20.6
x=12H y=6H	19.9	20.4	20.3	20.8	21.7	20.2	20.7	20.7	21.2	21.7
x=12H y=8H	20.4	20.9	20.9	21.3	22.2	20.8	21.2	21.2	21.7	22.2

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

Isolux (Floor)

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





<b>Luminaire</b>				<b>Measur.</b>				<b>Lamp</b>			
Code	5380			Code	5380			Code	DULUX L 18 W/827		
Name	Double ceiling lamp dim.			Name	Double ceiling lamp dim.			Number	8		
Line	VIBIA-Link			Date	22-05-2012			Position	Universal		
Efficiency	20.84%			Coordinate system	C-G			Total Flux	12000.00 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	46	41	36	33	39	31	23	20	19	16	10	7	4	2	15	8	7	3	2	7	2	2	0									
0.80	53	49	39	36	46	35	29	26	21	19	12	9	5	4	18	10	9	4	3	8	4	3	0									
1.00	58	54	40	37	51	36	34	31	23	21	13	11	6	5	19	11	10	5	4	10	5	4	0									
1.25	62	59	39	37	56	36	39	36	24	22	15	13	7	6	21	13	12	6	6	11	6	5	0									
1.50	65	62	39	37	59	35	43	40	25	23	16	14	9	7	21	14	13	8	7	12	7	6	0									
2.00	69	66	36	35	63	34	49	46	25	23	17	15	11	9	22	15	15	10	9	14	9	8	0									
2.50	71	69	34	34	66	33	53	50	25	24	18	16	12	11	22	16	16	11	10	15	10	0										
3.00	73	71	33	32	68	31	56	54	24	24	19	17	13	12	22	17	17	12	12	16	11	0										
4.00	75	74	31	30	70	30	61	59	24	24	19	18	15	14	23	18	18	14	13	17	13	0										
5.00	76	75	30	29	72	29	64	62	24	24	20	19	16	15	23	19	18	15	15	18	15	0										
10.00	79	79	27	26	75	26	71	70	23	23	21	21	19	18	22	20	20	18	18	20	18	0										
20.00	81	80	25	25	77	24	75	74	23	23	22	21	21	20	22	21	21	20	20	20	19	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	99	97	88	86	96	85	75	74	68	67	57	56	49	49	67	57	56	49	49	56	49	49	45
0.80	113	110	97	95	108	94	88	86	78	77	67	66	59	58	76	66	65	58	58	65	58	58	53
1.00	122	119	102	100	116	99	97	95	84	83	74	73	65	65	82	72	72	65	65	71	64	64	59
1.25	130	127	106	105	124	103	106	104	90	89	80	79	72	71	87	78	78	71	71	77	71	70	64
1.50	136	133	109	108	130	106	113	110	94	93	85	83	77	76	91	83	82	76	76	82	75	75	68
2.00	142	140	110	109	136	108	121	119	98	97	90	88	83	82	95	88	87	82	81	86	81	80	72
2.50	146	144	111	110	139	108	126	124	100	99	93	92	86	86	97	91	90	85	85	89	84	83	75
3.00	148	146	110	110	142	108	130	128	101	100	95	94	89	88	98	93	92	88	87	91	86	85	77
4.00	152	151	111	111	146	109	136	134	103	103	98	97	93	92	101	96	96	92	91	94	90	89	80
5.00	155	154	112	112	148	110	140	139	105	105	101	100	96	96	102	98	98	95	94	96	93	92	82
10.00	161	160	113	113	154	111	149	148	109	108	106	106	103	103	106	104	103	101	101	101	99	98	87
20.00	162	162	111	111	155	110	153	152	108	108	107	107	105	105	106	104	104	103	103	102	101	99	88

#### Working Pl.

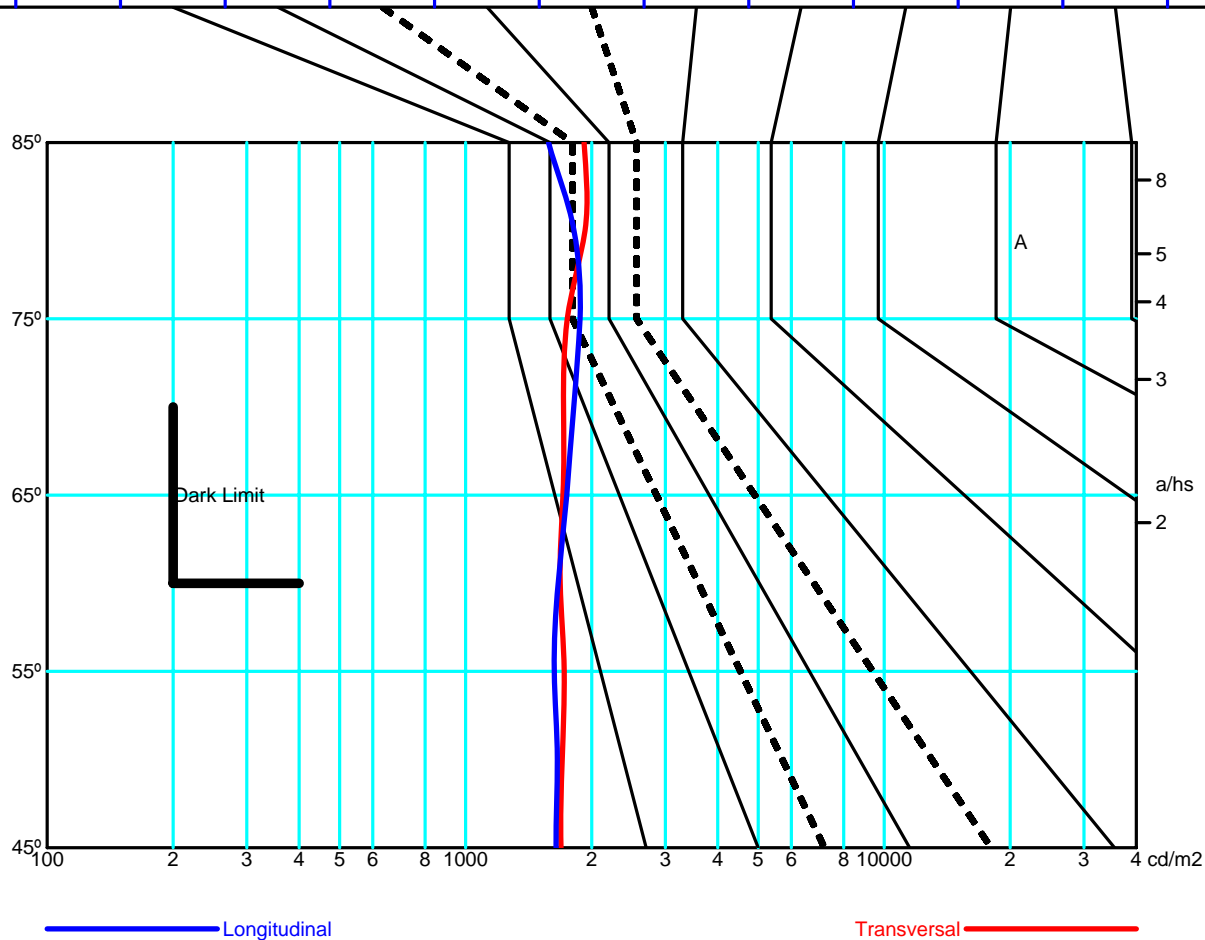
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	121	118	113	111	116	109	92	90	88	87	74	73	64	63	86	73	73	63	63	73	63	63	59
0.80	143	140	132	129	137	128	112	110	107	106	92	91	81	81	104	91	91	81	81	90	81	80	76
1.00	160	157	146	144	154	142	129	127	122	121	108	106	97	96	119	106	106	96	96	105	95	95	91
1.25	177	174	159	157	169	155	146	144	137	136	123	122	112	111	133	121	120	111	111	119	110	110	106
1.50	189	186	169	167	181	165	160	157	148	147	135	133	124	123	144	133	132	123	123	131	122	121	118
2.00	207	205	183	181	199	179	180	177	165	163	153	152	144	142	160	150	150	142	141	148	141	139	136
2.50	219	217	191	190	210	187	194	191	176	174	165	164	157	155	171	162	162	155	154	160	153	151	148
3.00	228	225	197	196	218	194	204	201	183	182	174	173	166	165	179	171	170	164	163	168	162	160	157
4.00	238	236	204	204	229	201	216	214	193	192	185	184	179	177	188	182	181	176	175	178	173	171	168
5.00	245	243	209	208	235	205	225	223	199	198	192	191	186	185	194	188	188	183	183	185	181	178	175
10.00	259	258	218	217	249	215	243	242	211	210	207	207	204	203	206	203	203	200	200	199	197	193	191
20.00	267	266	222	222	256	219	253	252	217	217	216	215	214	213	213	211	211	210	209	207	206	202	200

LM53 SHR C0-C180: 1.274 SHR C90-C270: 1.262 SHR Square: 1.396

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	5380	Code	5380	Code	DULUX L 18 W/827
Name	Double ceiling lamp dim.	Name	Double ceiling lamp dim.	Number	8
Line	VIBIA-Link	Date	22-05-2012	Position	Universal
Efficiency	20.84%	Coordinate system	C-G	Total Flux	12000.00 lm

Average Luminance [cd/m <sup>2</sup> ]									
0°	45°	50°	55°	60°	65°	70°	75°	80°	85°
1689.0	1689.0	1699.8	1720.0	1681.7	1708.3	1713.8	1749.4	1927.4	1917.9
1644.0	1644.0	1655.7	1627.7	1663.0	1743.8	1810.8	1877.0	1815.2	1577.9

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



**Luminaire**

Code 5380  
 Name Double ceiling lamp dim.  
 Line VIBIA-Link

**Measur.**

Code 5380  
 Name Double ceiling lamp dim.  
 Date 22-05-2012

**Lamp**

Code DULUX L 18 W/827  
 Number 8  
 Position Universal

Efficiency 20.84% Coordinate system C-G Total Flux 12000.00 lm

**Luminance**

G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56	1700.56
5°	1701.66	1699.02	1698.86	1699.91	1698.86	1699.02	1701.66	1699.02	1698.86	1699.91	1698.86	1699.02
10°	1703.03	1695.66	1698.46	1700.02	1698.46	1695.66	1703.03	1695.66	1698.46	1700.02	1698.46	1695.66
15°	1707.75	1693.01	1695.83	1691.31	1695.83	1693.01	1707.75	1693.01	1695.83	1691.31	1695.83	1693.01
20°	1705.99	1690.79	1691.23	1692.53	1691.23	1690.79	1705.99	1690.79	1691.23	1692.53	1691.23	1690.79
25°	1704.05	1682.88	1688.65	1694.50	1688.65	1682.88	1704.05	1682.88	1688.65	1694.50	1688.65	1682.88
30°	1690.43	1680.72	1675.91	1675.30	1675.91	1680.72	1690.43	1680.72	1675.91	1675.30	1675.91	1680.72
35°	1700.67	1676.97	1673.99	1674.45	1673.99	1676.97	1700.67	1676.97	1673.99	1674.45	1673.99	1676.97
40°	1708.63	1664.26	1664.72	1670.19	1664.72	1664.26	1708.63	1664.26	1664.72	1670.19	1664.72	1664.26
45°	1688.98	1654.59	1645.49	1644.02	1645.49	1654.59	1688.98	1654.59	1645.49	1644.02	1645.49	1654.59
50°	1699.84	1641.50	1640.82	1655.73	1640.82	1641.50	1699.84	1641.50	1640.82	1655.73	1640.82	1641.50
55°	1720.05	1639.12	1637.86	1627.72	1637.86	1639.12	1720.05	1639.12	1637.86	1627.72	1637.86	1639.12
60°	1681.71	1619.34	1639.12	1662.98	1639.12	1619.34	1681.71	1619.34	1639.12	1662.98	1639.12	1619.34
65°	1708.27	1594.15	1677.19	1743.82	1677.19	1594.15	1708.27	1594.15	1677.19	1743.82	1677.19	1594.15
70°	1713.78	1613.19	1753.22	1810.79	1753.22	1613.19	1713.78	1613.19	1753.22	1810.79	1753.22	1613.19
75°	1749.39	1660.61	1877.31	1877.03	1877.31	1660.61	1749.39	1660.61	1877.31	1877.03	1877.31	1660.61
80°	1927.38	1710.36	1781.21	1815.15	1781.21	1710.36	1927.38	1710.36	1781.21	1815.15	1781.21	1710.36
85°	1917.86	1493.56	1502.79	1577.87	1502.79	1493.56	1917.86	1493.56	1502.79	1577.87	1502.79	1493.56

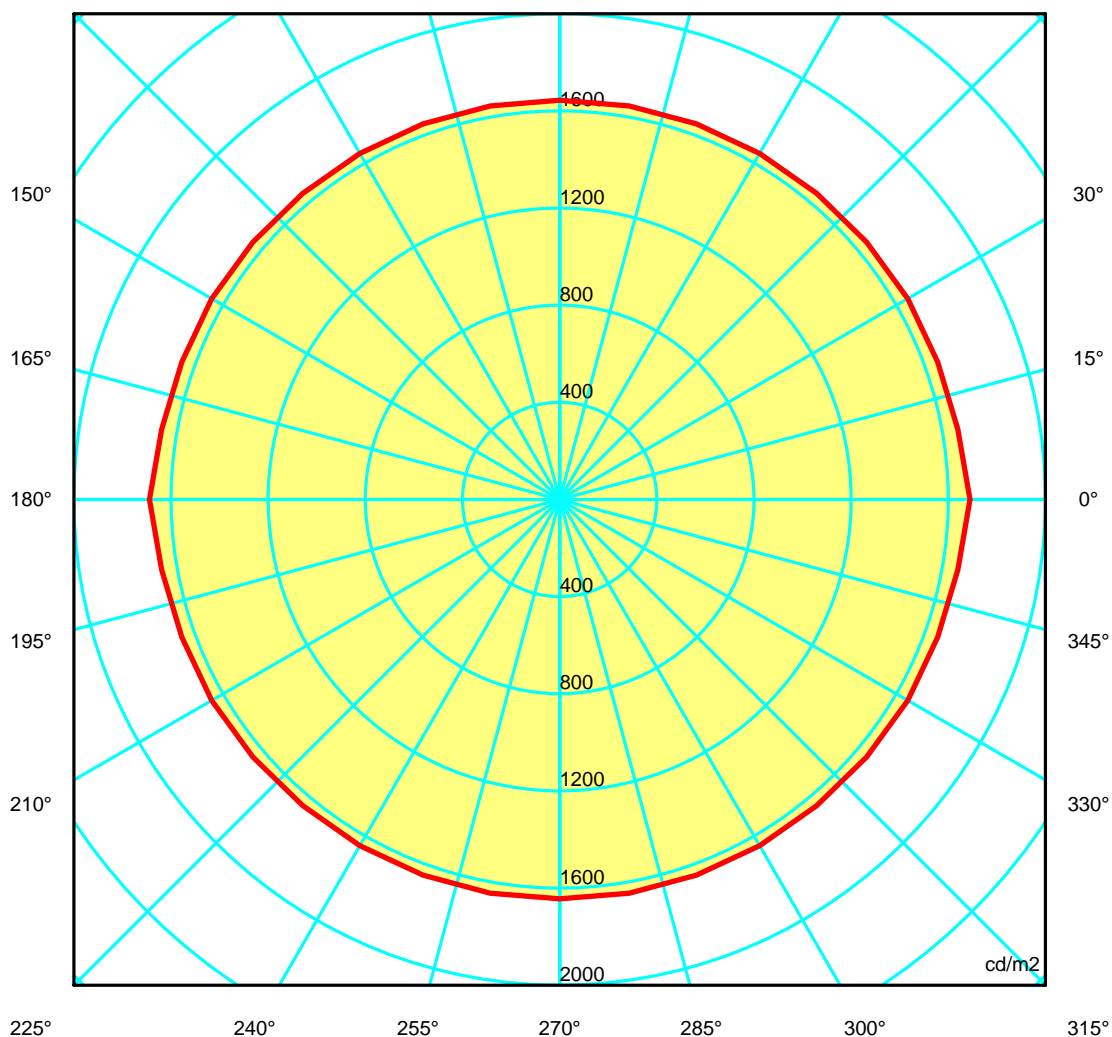
C Halfplanes

90°

75°

60°

45°



45.0°