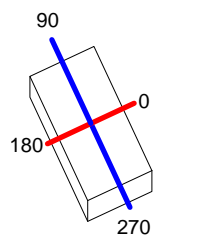


Luminaire			Measurem.			Lamp	
Code	482-CR		Code	482-CR		Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal		Name	Aplique LUGO 100W E27 opal		Number	1
Line	Eulumdat		Date	26-03-2010		Position	
Efficiency		52.77%	Coordinate system		CG	Total Flux	
Maximum value		225.92 cd	Position		C=270.00 G=105.00	Sym. on planes 270-90	
Rectangular Luminaire		Length	310 mm	Width	160 mm	Height	70 mm
Rectangular Luminous Area		Length	310 mm	Width	160 mm	Height	70 mm
Horizontal Luminous Area		0.049600 m2		Emitting area on Plane 180°		0.021700 m2	
Emitting area on Plane 0°		0.021700 m2		Emitting area on Plane 270°		0.011200 m2	
Emitting area on Plane 90°		0.011200 m2		Glare area at 76°		0.033055 m2	
Symmetry Type		Sym. on planes 270-90		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1360.00 lm	
Operator		Asselum		Source voltage			
Temperature		25.00 °C		Source current			
Humidity		60.00 %		Photocell			
Notes							

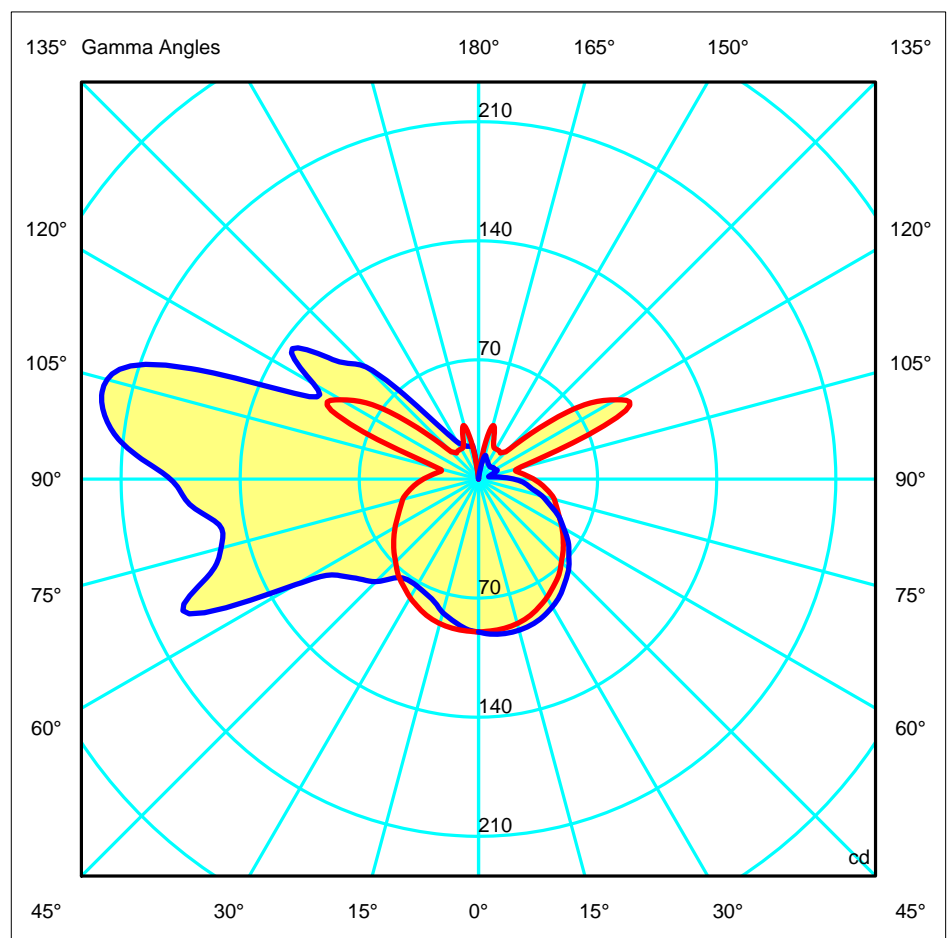
Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
Eulumdat	CLAS A CL 100	CLAS A CL 100 - 100.00 W	1360.00	100.00	1
C.I.E.	29 54 77 59 53	D DIN 5040			
F UTE	0.31 J + 0.22 T	B NBN			
		C11			
		BZ 7			

310mm x 160mm



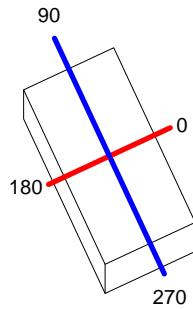
C Halfplanes  
 270.0 ——— 0.0  
 180.0 ——— 90.0

ULOR 21.50 %  
 DLOR 31.27 %  
 RN 40.75 %

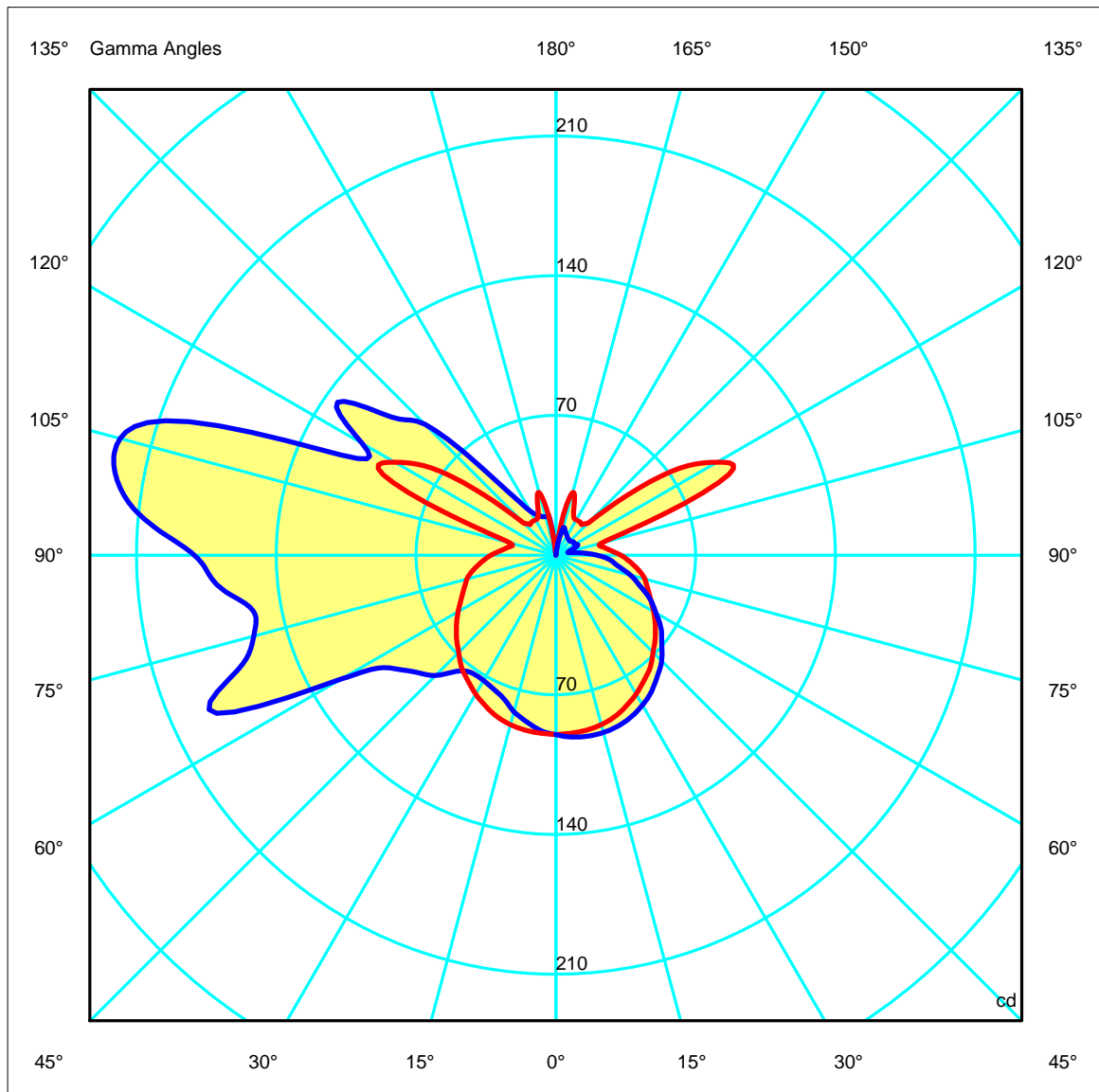
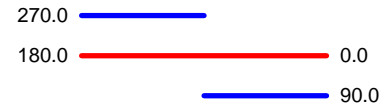


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulumdat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 lm

310mm x 160mm



C Halfplanes

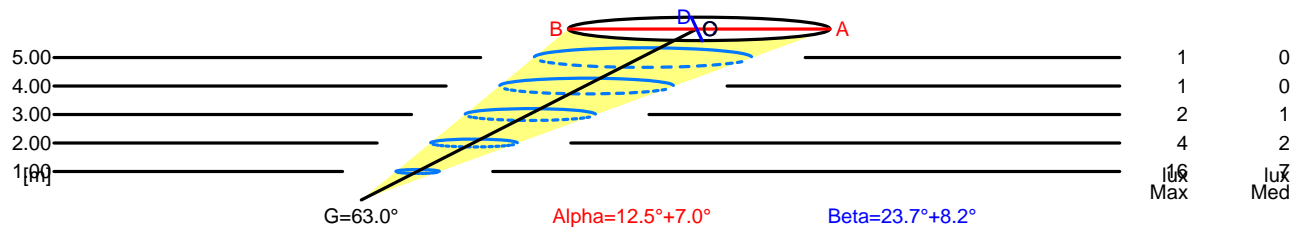


<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulmdat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 lm

Width at 50.00 % of Max Intensity

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	0.78	1.56	2.34	3.12	3.90	OC	0.97	1.94	2.90	3.87	4.84
OB	0.75	1.50	2.25	3.00	3.76	OD	0.32	0.63	0.95	1.26	1.58

	Luminous Intensities [ cd]									
	0	5	15	25	35	45	55	65	75	85
OA	0.00	0.00	32.50	21.12	20.51	22.57	76.20	95.50	23.99	27.46
OB	0.00	0.00	32.50	21.12	20.51	22.57	76.20	95.50	23.99	27.46
OC	0.00	0.00	13.94	12.02	10.44	9.99	11.11	12.18	6.37	12.96
OD	0.00	0.00	19.93	22.33	33.86	92.63	133.52	118.70	225.92	206.87



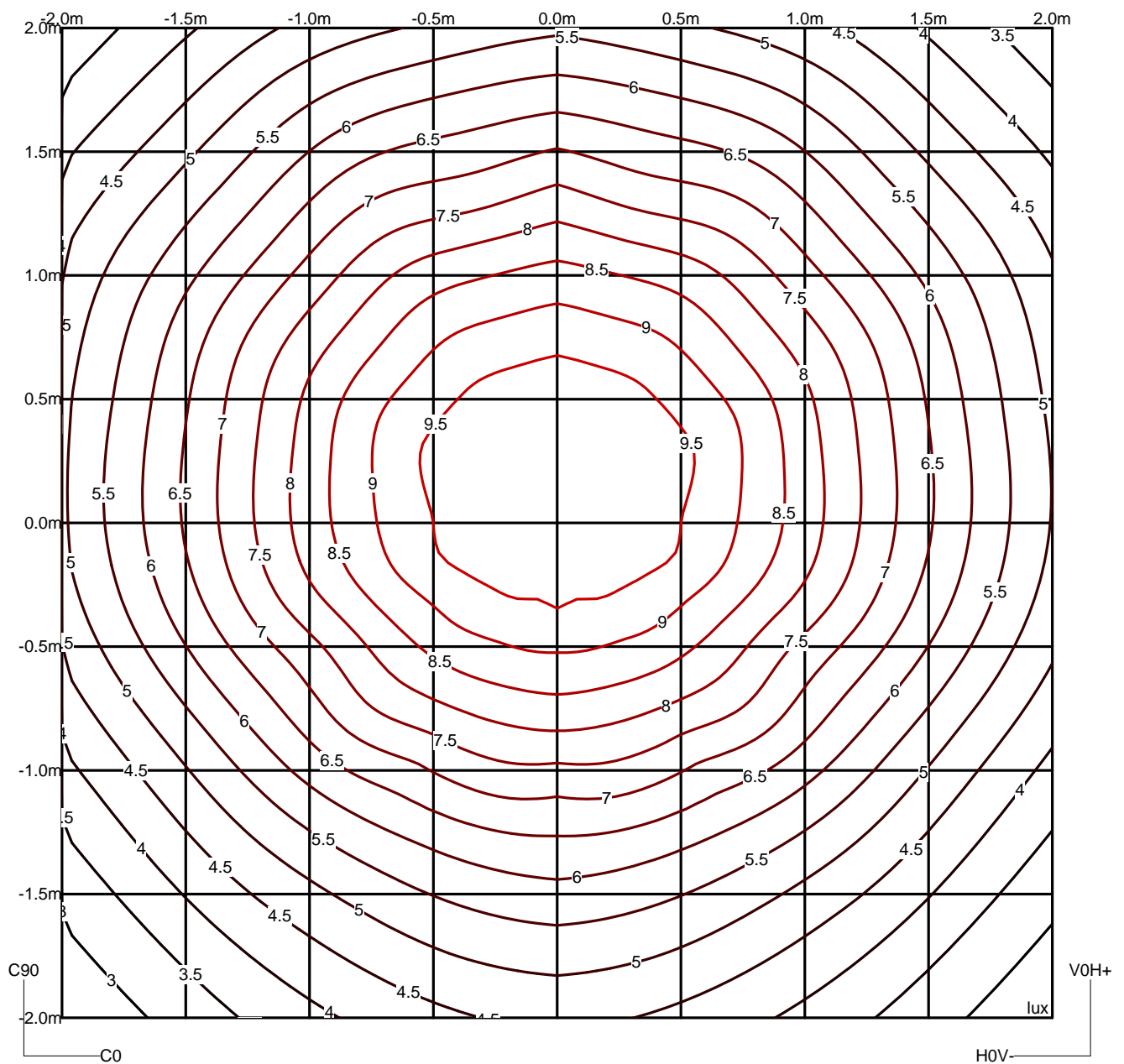
5.00	7.65	1	0	
4.00	6.12	1	0	
3.00	4.59	2	1	
2.00	3.06	4	2	
1.00	1.53	16	7	
H[m]	D[m]	Max lux	Med lux	Alpha=12.5°+7.0° G=63.0

5.00	6.42	1	0	
4.00	5.13	1	0	
3.00	3.85	2	1	
2.00	2.57	4	2	
1.00	1.28	16	7	
H[m]	D[m]	Max lux	Med lux	Beta=8.2°+23.7° G=0.0

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulmdat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 lm

Isolux (Floor)

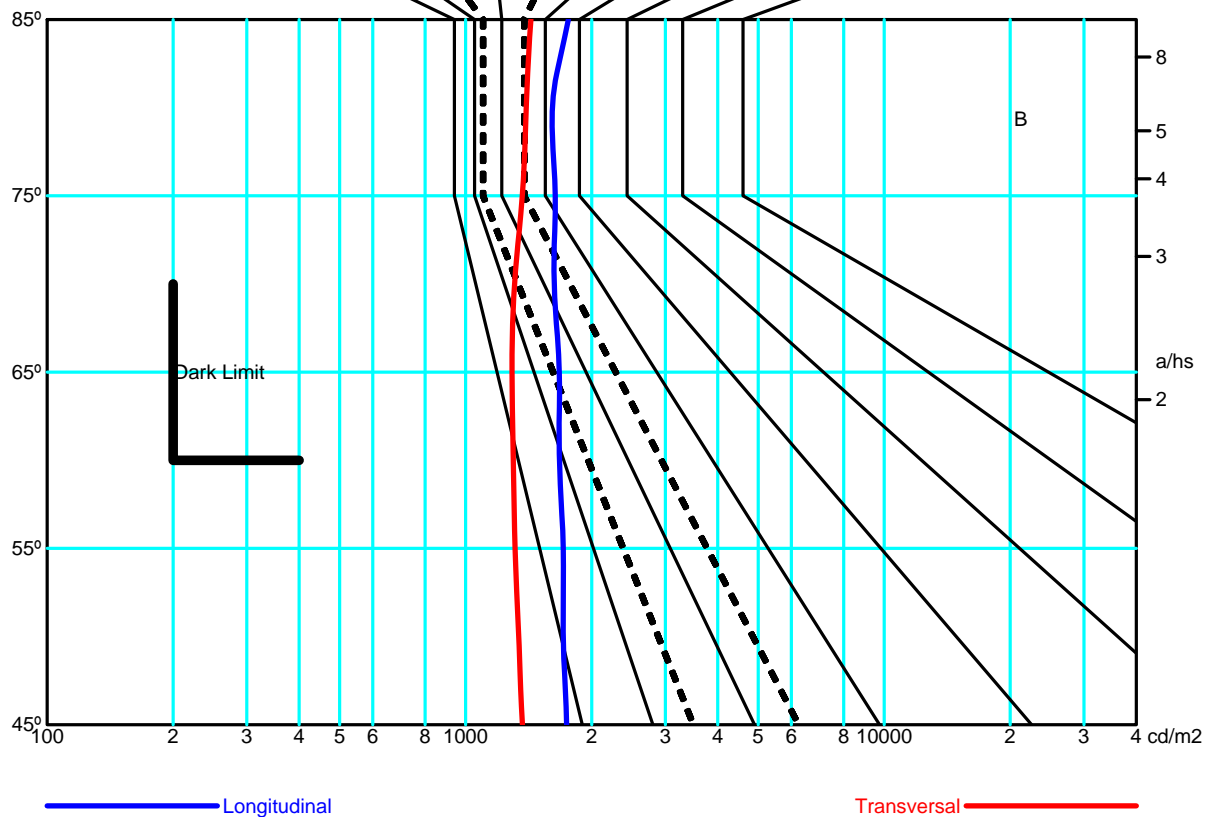
Luminaire position X=0.00m Y=0.00m Z=3.00m



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulumdat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 lm

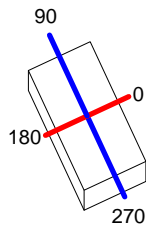
Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
1366	1339	1312	1300	1290	1309	1366	1396	1432	---	
1743	1711	1711	1675	1674	1627	1637	1611	1760	---	

Flush mounted or transversal 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

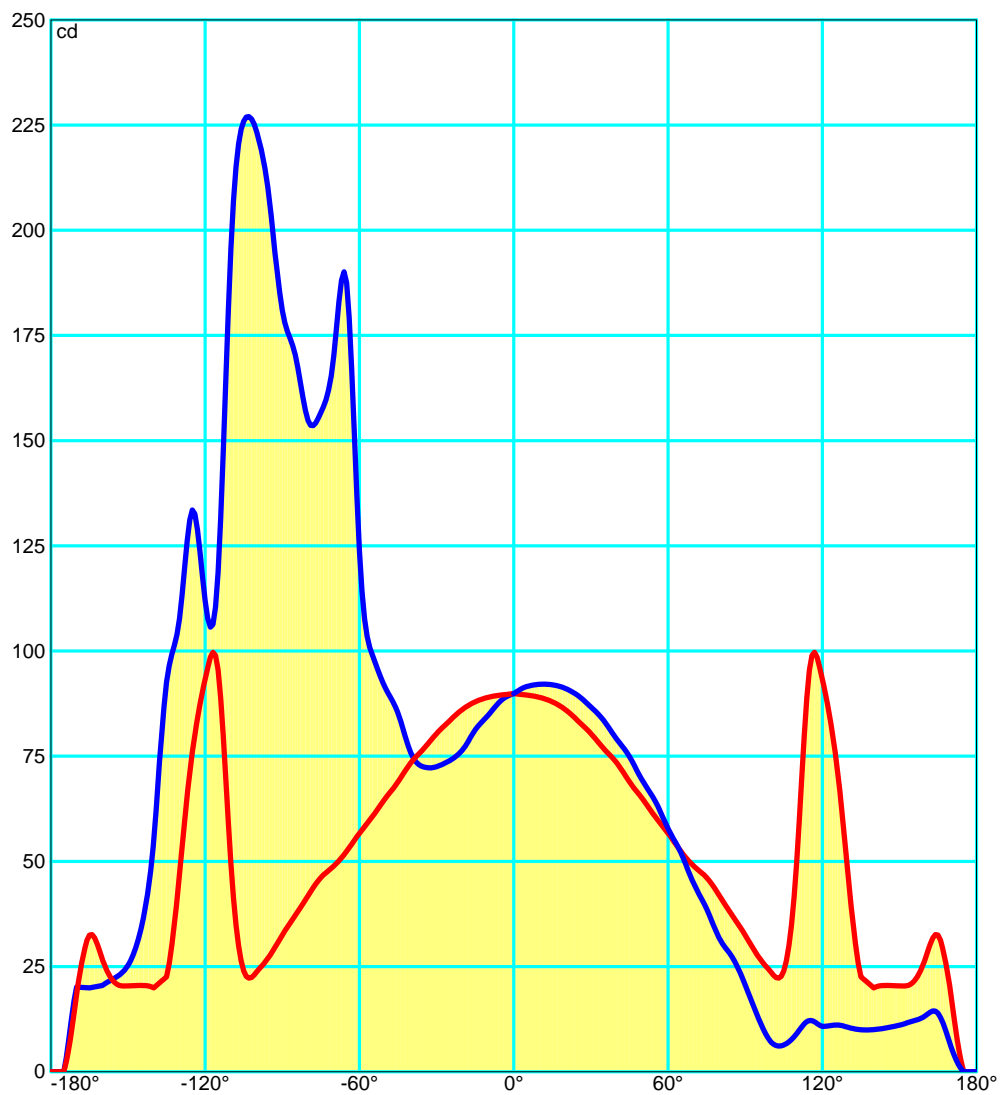


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulumdat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 lm

310mm x 160mm



C Halfplanes  
 270.0 ————  
 180.0 ———— 0.0  
 ———— 90.0



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	482-CR	Code	482-CR	Code	CLAS A CL 100
Name	Aplique LUGO 100W E27 opal	Name	Aplique LUGO 100W E27 opal	Number	1
Line	Eulumat	Date	26-03-2010	Position	
Efficiency	52.77%	Coordinate system	CG	Total Flux	1360.00 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	9.8	10.8	10.6	11.6	16.2	13.4	14.4	14.2	15.2	16.2
x=2H y=3H	12.0	12.9	12.8	13.8	22.3	19.5	20.4	20.3	21.2	22.3
x=2H y=4H	13.2	14.1	14.0	14.9	24.6	21.7	22.6	22.6	23.5	24.6
x=2H y=6H	14.3	15.1	15.2	16.0	26.3	23.6	24.4	24.4	25.2	26.3
x=2H y=8H	14.9	15.7	15.7	16.5	27.2	24.5	25.2	25.3	26.1	27.2
x=2H y=12H	15.4	16.2	16.3	17.1	28.2	25.5	26.2	26.3	27.1	28.2
x=4H y=2H	10.6	11.5	11.5	12.4	16.3	13.5	14.4	14.3	15.2	16.3
x=4H y=3H	12.9	13.7	13.8	14.6	22.3	19.6	20.3	20.5	21.2	22.3
x=4H y=4H	14.2	14.9	15.1	15.8	24.9	22.1	22.8	23.0	23.7	24.9
x=4H y=6H	15.5	16.1	16.4	17.0	27.1	24.4	25.0	25.3	25.9	27.1
x=4H y=8H	16.2	16.7	17.1	17.7	28.2	25.5	26.1	26.4	27.0	28.2
x=4H y=12H	16.8	17.3	17.7	18.2	29.3	26.7	27.2	27.6	28.1	29.3
x=8H y=4H	15.0	15.5	15.9	16.5	24.8	22.1	22.6	23.0	23.6	24.8
x=8H y=6H	16.4	16.9	17.3	17.8	27.3	24.7	25.1	25.6	26.1	27.3
x=8H y=8H	17.1	17.5	18.1	18.5	28.7	26.1	26.5	27.0	27.4	28.7
x=8H y=12H	17.9	18.3	18.9	19.2	30.1	27.5	27.9	28.4	28.8	30.1
x=12H y=4H	15.5	16.0	16.4	17.0	24.7	22.0	22.6	23.0	23.5	24.7
x=12H y=6H	16.9	17.3	17.8	18.3	27.2	24.6	25.0	25.6	26.0	27.2
x=12H y=8H	17.6	18.0	18.6	19.0	28.7	26.1	26.5	27.1	27.4	28.7

<b>Luminaire</b>				<b>Measurem.</b>				<b>Lamp</b>			
Code	482-CR			Code	482-CR			Code	CLAS A CL 100		
Name	Aplique LUGO 100W E27 opal			Name	Aplique LUGO 100W E27 opal			Number	1		
Line	Eulumdat			Date	26-03-2010			Position			
Efficiency	52.77%			Coordinate system	CG			Total Flux	1360.00 lm		

Total Flux=1360.00 Luminaire Flux=717.70

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	0.19	0.25	0.31	0.36	0.41	0.49	0.55	0.60	0.66	0.71	0.82	0.89
RC	8	8	8	8	8	8	8	8	8	8	8	8

Zonal Flux per 1000 Lumen

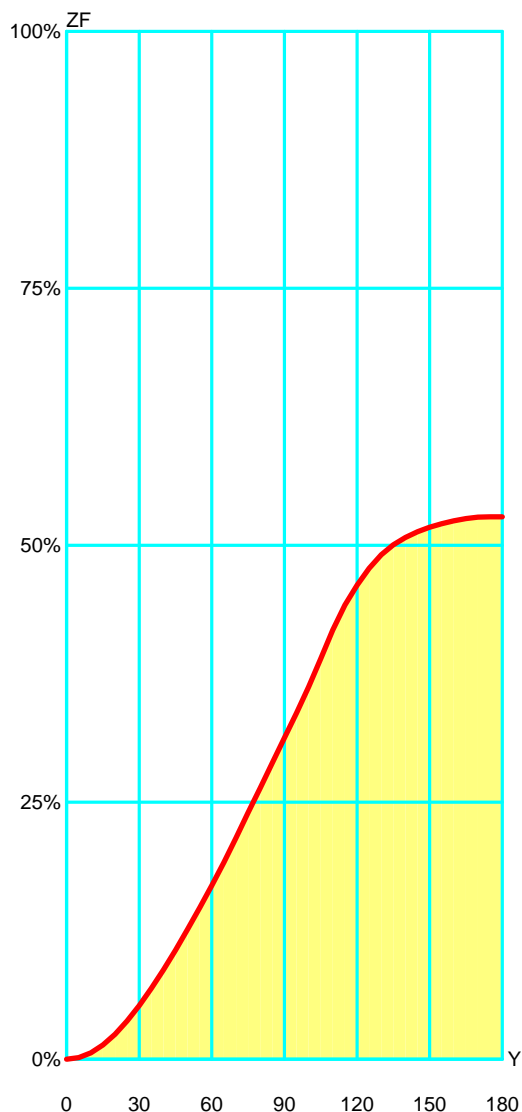
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	6	24	52	87	126	169	216	264	313	362	418	461	491	508	518	524	527	528

CIE Flux Codes

29 54 77 59 53

C.I.E. 8  
D DIN 5040 C11  
F UTE 0.31 J + 0.22 T  
B NBN BZ 7  
RN 40.74670 %  
BLF 1.0

LOR 52.77216 %  
ULOR 21.50291 %  
DLOR 31.26925 %  
UFF 40.74670 %  
DFF 59.25330 %  
FFR 68.76697 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	1.58	1.58	0.30 %	0.30 %
10°	4.70	6.27	0.89 %	1.19 %
15°	7.67	13.94	1.45 %	2.64 %
20°	10.40	24.35	1.97 %	4.61 %
25°	12.82	37.17	2.43 %	7.04 %
30°	14.93	52.10	2.83 %	9.87 %
35°	16.71	68.81	3.17 %	13.04 %
40°	18.12	86.93	3.43 %	16.47 %
45°	19.30	106.23	3.66 %	20.13 %
50°	20.24	126.47	3.84 %	23.97 %
55°	20.94	147.41	3.97 %	27.93 %
60°	21.56	168.97	4.08 %	32.02 %
65°	22.59	191.56	4.28 %	36.30 %
70°	23.95	215.51	4.54 %	40.84 %
75°	24.39	239.90	4.62 %	45.46 %
80°	24.00	263.90	4.55 %	50.01 %
85°	24.33	288.23	4.61 %	54.62 %
90°	24.46	312.69	4.63 %	59.25 %
95°	24.23	336.93	4.59 %	63.85 %
100°	25.27	362.19	4.79 %	68.63 %
105°	27.53	389.72	5.22 %	73.85 %
110°	27.97	417.69	5.30 %	79.15 %
115°	24.14	441.83	4.58 %	83.72 %
120°	19.39	461.22	3.67 %	87.40 %
125°	16.33	477.55	3.09 %	90.49 %
130°	13.21	490.76	2.50 %	93.00 %
135°	9.65	500.41	1.83 %	94.82 %
140°	7.17	507.58	1.36 %	96.18 %
145°	5.62	513.21	1.07 %	97.25 %
150°	4.39	517.60	0.83 %	98.08 %
155°	3.42	521.01	0.65 %	98.73 %
160°	2.73	523.74	0.52 %	99.25 %
165°	2.22	525.96	0.42 %	99.67 %
170°	1.41	527.37	0.27 %	99.93 %
175°	0.35	527.72	0.07 %	100.00 %
180°	0.00	527.72	0.00 %	100.00 %