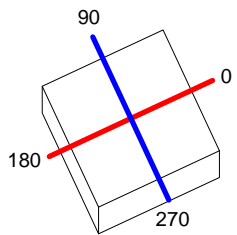


Luminaire		Measur.		Lamp		
Code	15-9619-34-M1	Code	15-9619-34-M1	Code	DLX EL FCY 14W827E27	
Name	Aplique KOSSEL 2x14W E27 opal	Name	Aplique KOSSEL 2x14W E27 opal	Number	2	
Line	Eulumdat	Date	09-05-2012	Position		
Efficiency	17.16%	Coordinate system	CG	Total Flux	1600.00 lm	
Maximum value	93.16 cd	Position	C=60.00 G=5.00	Double Symmetrical		
Rectangular Luminaire	Length	293 mm	Width	293 mm	Height	97 mm
Rectangular Luminous Area	Length	268 mm	Width	268 mm	Height	1 mm
Horizontal Luminous Area	0.071824 m2	Emitting area on Plane 180°		0.000268 m2		
Emitting area on Plane 0°	0.000268 m2	Emitting area on Plane 270°		0.000268 m2		
Emitting area on Plane 90°	0.000268 m2	Glare area at 76°		0.017636 m2		
Symmetry Type	Double Symmetrical	Maximum Gamma Angle		90		
Measurement Distance	0.00	Measurement Flux		1600.00 lm		
Operator	Asselum T2	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	DLX EL FCY 14W827E27	DLX EL FCY 14W827E27 - 14.00 W	800.00	14.00	2	
C.I.E.	46 78 95 100 17	D DIN 5040	A30			
F UTE	0.17 E	B NBN	BZ 5			

293mm x 293mm



C Halfplanes

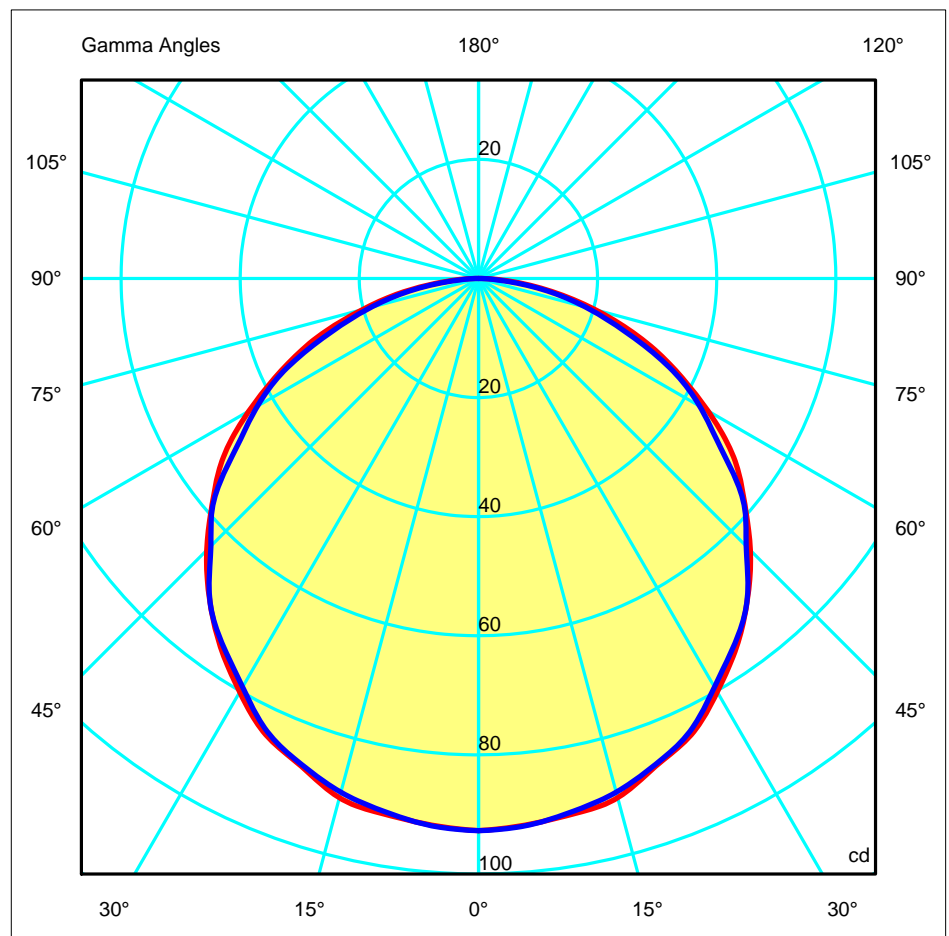
180.0 — 0.0

270.0 — 90.0

ULOR 0.00 %

DLOR 17.16 %

RN 0.00 %

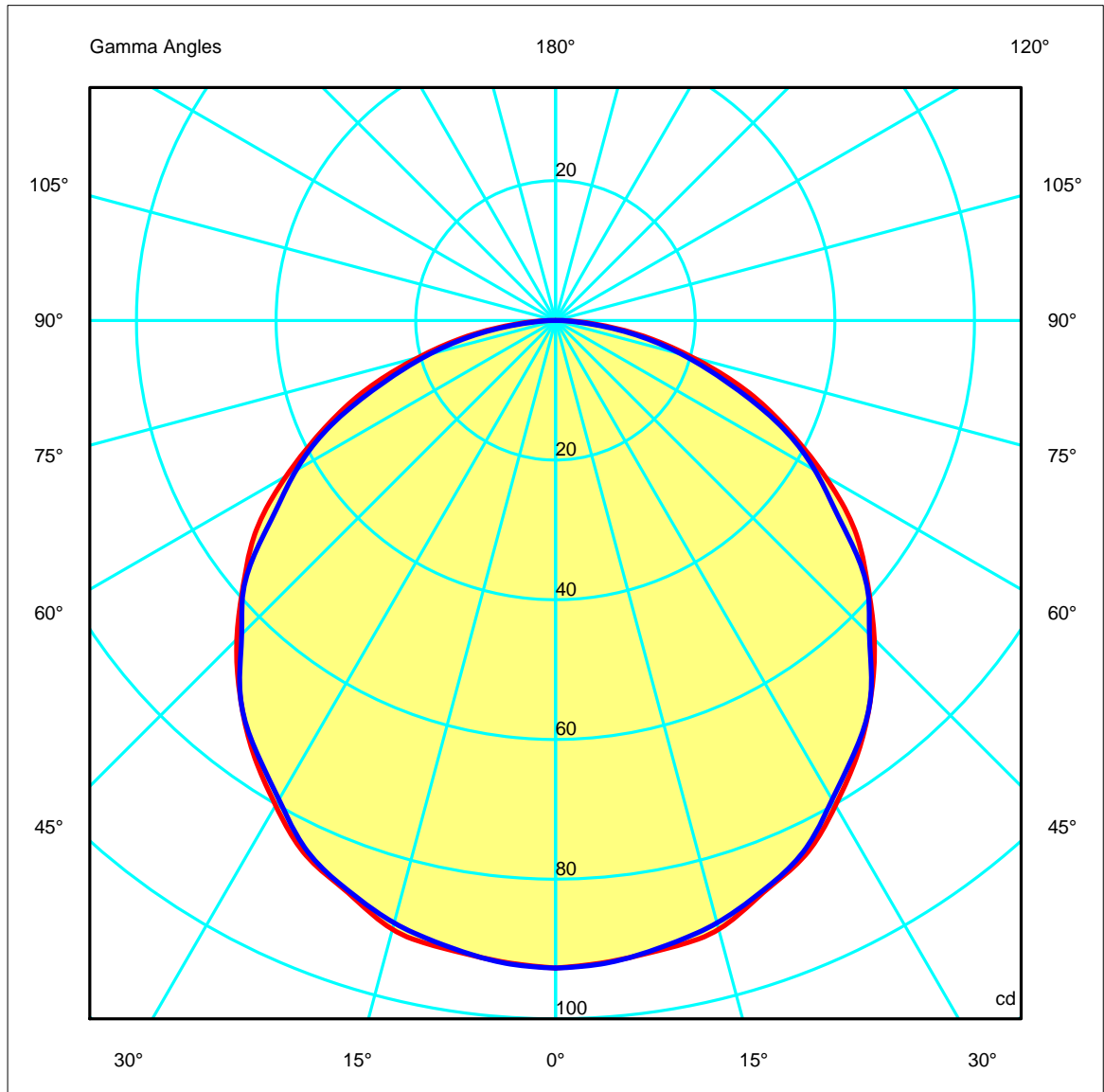
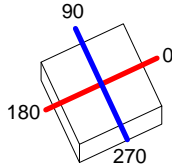


Luminaire		Measuram.		Lamp	
Code	15-9619-34-M1	Code	15-9619-34-M1	Code	DLX EL FCY 14W827E27
Name	Aplique KOSSEL 2x14W E27 opal	Name	Aplique KOSSEL 2x14W E27 opal	Number	2
Line	Eulumdat	Date	09-05-2012	Position	
Efficiency	17.16%	Coordinate system	CG	Total Flux	1600.00 lm

293mm x 293mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



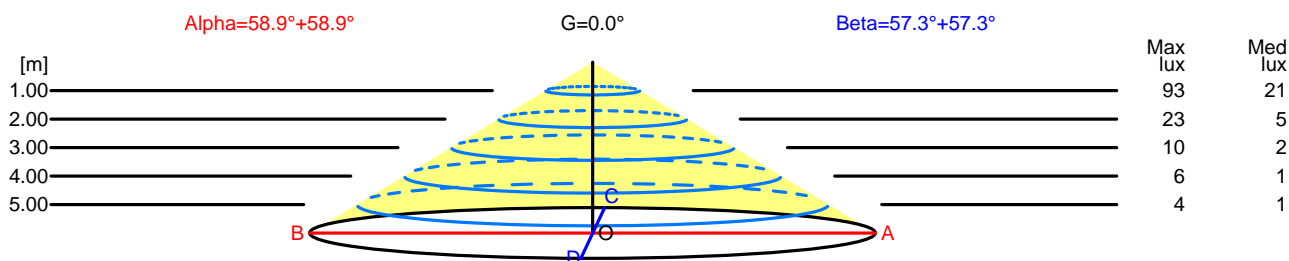
Luminaire	Measur.	Lamp
Code 15-9619-34-M1	Code 15-9619-34-M1	Code DLX EL FCY 14W827E27
Name Aplique KOSSEL 2x14W E27 opal	Name Aplique KOSSEL 2x14W E27 opal	Number 2
Line Eulumdat	Date 09-05-2012	Position

Efficiency 17.16%	Coordinate system CG	Total Flux 1600.00 lm
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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	1.66	3.31	4.97	6.62	8.28	OC	1.56	3.12	4.68	6.23	7.79
OB	1.66	3.31	4.97	6.62	8.28	OD	1.56	3.12	4.68	6.23	7.79

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	92.72	92.10	90.26	84.52	75.52	64.53	52.30	36.50	20.21	5.32
OB	92.72	92.10	90.26	84.52	75.52	64.53	52.30	36.50	20.21	5.32
OC	92.72	92.20	89.29	83.94	74.94	63.55	49.68	35.42	18.73	4.00
OD	92.72	92.20	89.29	83.94	74.94	63.55	49.68	35.42	18.73	4.00



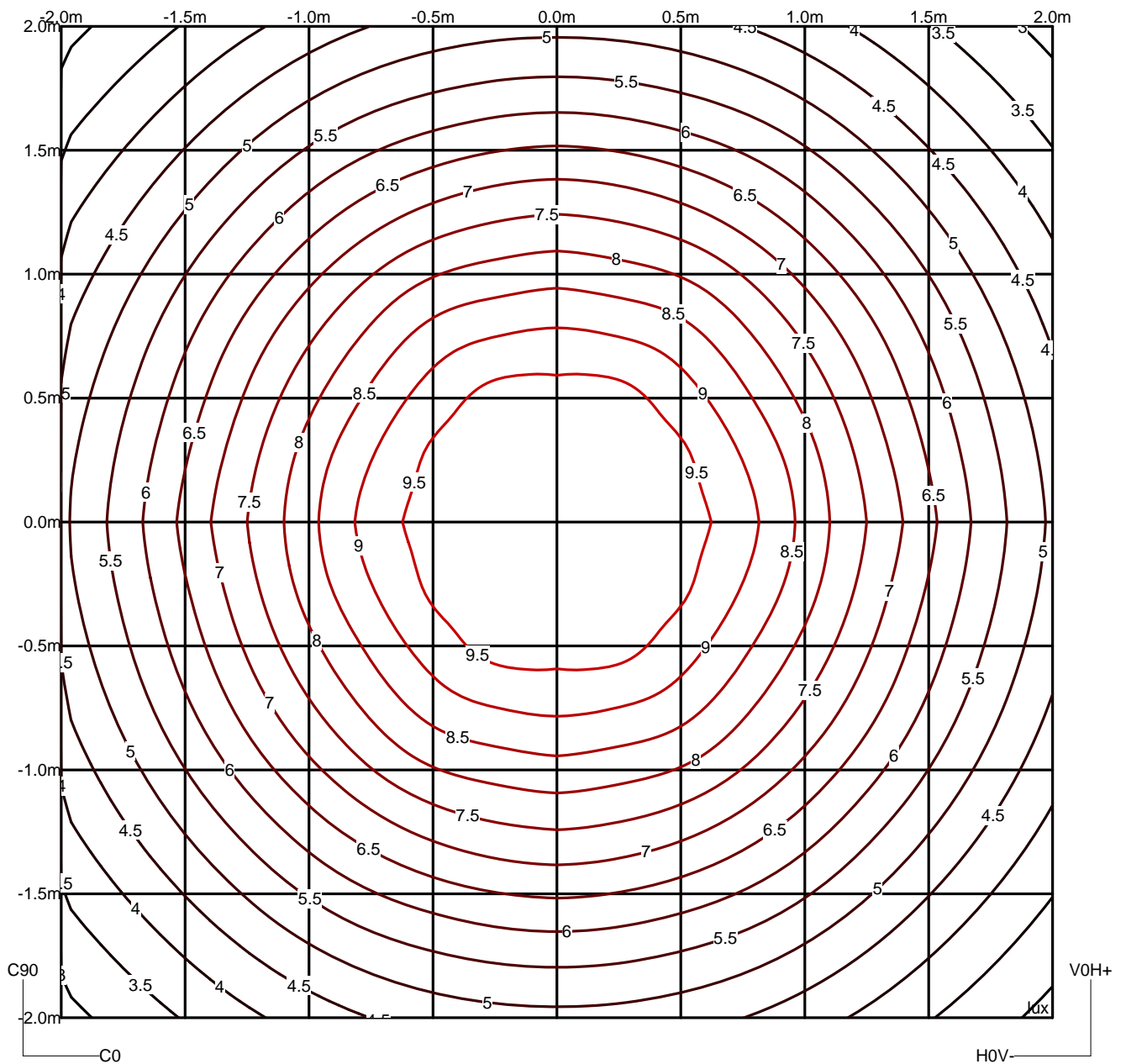
H[m]	D[m]	Max lux	Med lux	Alpha=58.9°+58.9°	G=0.0	
1.00	3.31	93	21			
2.00	6.62	23	5			
3.00	9.93	10	2			
4.00	13.24	6	1			
5.00	16.55	4	1			

H[m]	D[m]	Max lux	Med lux	Beta=57.3°+57.3°	G=0.0	
1.00	3.12	93	21			
2.00	6.23	23	5			
3.00	9.35	10	2			
4.00	12.47	6	1			
5.00	15.59	4	1			

Luminaire		Measuram.		Lamp	
Code	15-9619-34-M1	Code	15-9619-34-M1	Code	DLX EL FCY 14W827E27
Name	Aplique KOSSEL 2x14W E27 opal	Name	Aplique KOSSEL 2x14W E27 opal	Number	2
Line	Eulumdat	Date	09-05-2012	Position	
Efficiency	17.16%	Coordinate system	CG	Total Flux	1600.00 lm

Isolux (Floor)

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



Luminaire

Code 15-9619-34-M1
 Name Aplique KOSSEL 2x14W E27 opal
 Line Eulumdat

Measur.

Code 15-9619-34-M1
 Name Aplique KOSSEL 2x14W E27 opal
 Date 09-05-2012

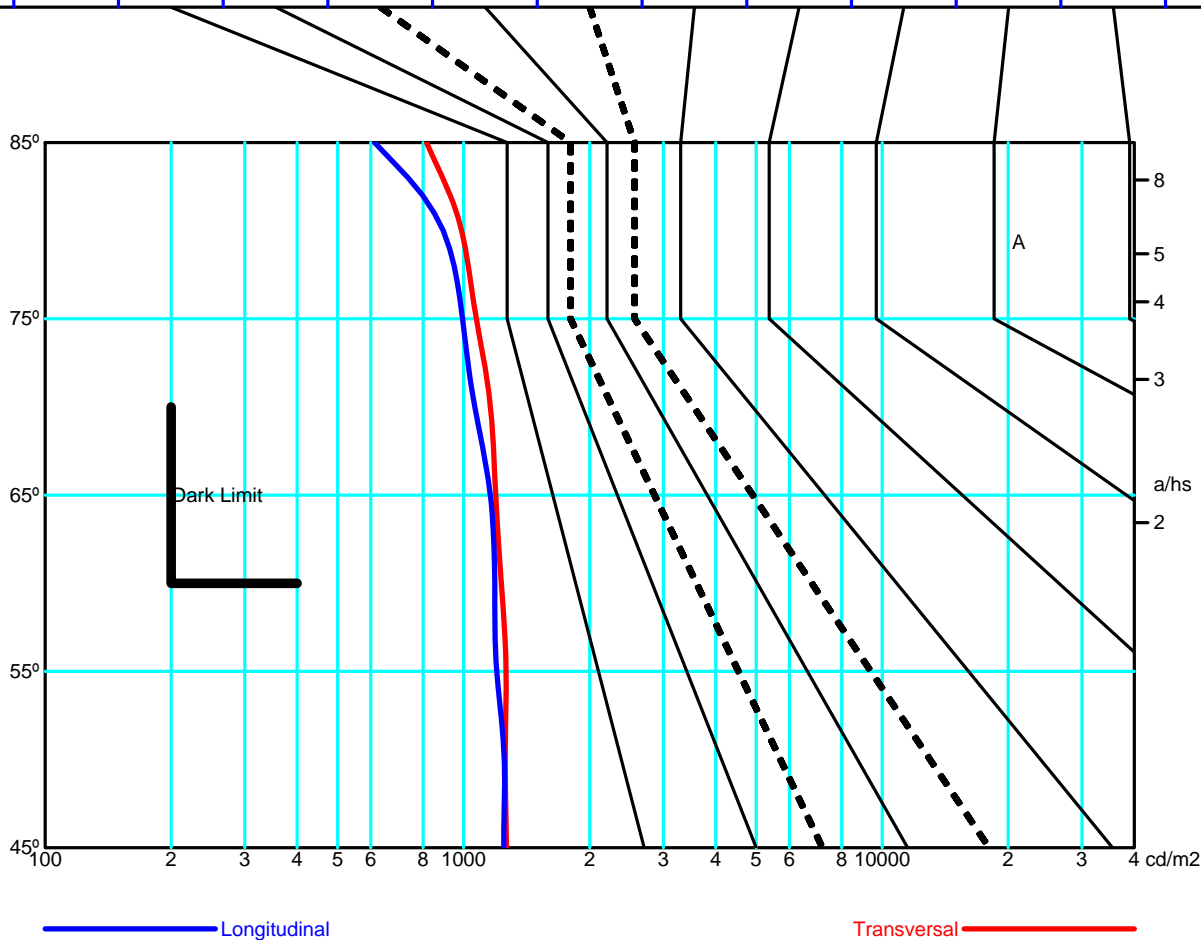
Lamp

Code DLX EL FCY 14W827E27
 Number 2
 Position

Efficiency 17.16% Coordinate system CG Total Flux 1600.00 lm

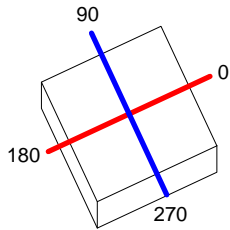
		Average Luminance [cd/m ²]										
		0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		1266	1257	1263	1231	1193	1159	1072	989	815	---	
90.0°		1247	1251	1200	1187	1158	1063	994	894	613	---	

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

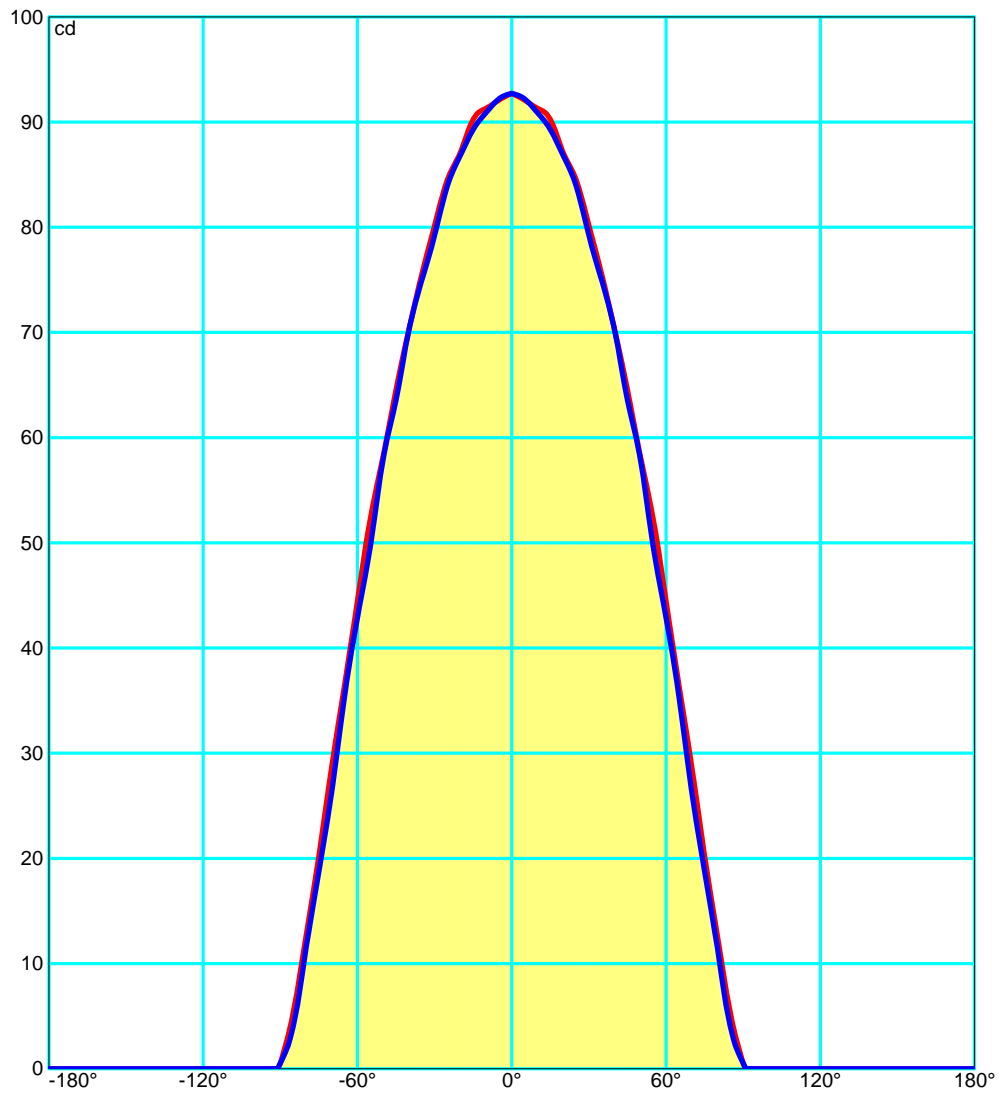


Luminaire		Measur.		Lamp	
Code	15-9619-34-M1	Code	15-9619-34-M1	Code	DLX EL FCY 14W827E27
Name	Aplique KOSSEL 2x14W E27 opal	Name	Aplique KOSSEL 2x14W E27 opal	Number	2
Line	Eulumdat	Date	09-05-2012	Position	
Efficiency	17.16%	Coordinate system	CG	Total Flux	1600.00 lm

293mm x 293mm



C Halfplanes



Luminaire		Measurem.		Lamp	
Code	15-9619-34-M1	Code	15-9619-34-M1	Code	DLX EL FCY 14W827E27
Name	Aplique KOSSEL 2x14W E27 opal	Name	Aplique KOSSEL 2x14W E27 opal	Number	2
Line	Eulumdat	Date	09-05-2012	Position	
Efficiency	17.16%	Coordinate system	CG	Total Flux	1600.00 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	13.2	14.5	13.4	14.8	15.0	13.2	14.5	13.5	14.8	15.0
x=2H y=3H	14.9	16.1	15.2	16.3	16.6	14.8	16.1	15.1	16.3	16.6
x=2H y=4H	15.6	16.8	15.9	17.0	17.3	15.5	16.7	15.9	16.9	17.3
x=2H y=6H	16.1	17.2	16.4	17.5	17.6	16.0	17.1	16.3	17.4	17.6
x=2H y=8H	16.3	17.3	16.7	17.6	17.8	16.2	17.2	16.6	17.5	17.8
x=2H y=12H	16.4	17.3	16.7	17.7	17.8	16.2	17.1	16.5	17.5	17.8
x=4H y=2H	14.0	15.2	14.4	15.4	15.8	14.0	15.2	14.4	15.4	15.8
x=4H y=3H	15.8	16.8	16.2	17.2	17.5	15.8	16.8	16.2	17.2	17.5
x=4H y=4H	16.7	17.5	17.0	17.9	18.3	16.6	17.5	17.0	17.9	18.3
x=4H y=6H	17.2	18.0	17.7	18.4	18.8	17.2	17.9	17.6	18.4	18.8
x=4H y=8H	17.4	18.2	17.9	18.5	18.9	17.4	18.1	17.8	18.4	18.9
x=4H y=12H	17.6	18.2	18.0	18.6	19.0	17.5	18.1	17.9	18.5	19.0
x=8H y=4H	17.0	17.7	17.4	18.1	18.5	17.0	17.7	17.4	18.0	18.5
x=8H y=6H	17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.2	18.7	19.1
x=8H y=8H	18.0	18.5	18.5	19.0	19.3	17.9	18.4	18.4	18.9	19.3
x=8H y=12H	18.2	18.6	18.7	19.0	19.5	18.1	18.5	18.5	18.9	19.5
x=12H y=4H	17.0	17.6	17.5	18.0	18.5	17.0	17.6	17.5	18.0	18.5
x=12H y=6H	17.8	18.3	18.3	18.7	19.2	17.7	18.2	18.2	18.7	19.2
x=12H y=8H	18.1	18.5	18.6	18.9	19.4	18.0	18.4	18.5	18.9	19.4

Luminaire	Measur.	Lamp
Code 15-9619-34-M1	Code 15-9619-34-M1	Code DLX EL FCY 14W827E27
Name Applique KOSSEL 2x14W E27 opal	Name Applique KOSSEL 2x14W E27 opal	Number 2
Line Eulumdat	Date 09-05-2012	Position

Efficiency 17.16%	Coordinate system CG	Total Flux 1600.00 lm
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Total Flux=1600.00 Luminaire Flux=274.60

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	0.30	0.38	0.46	0.53	0.59	0.67	0.73	0.77	0.83	0.86	0.93	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	4

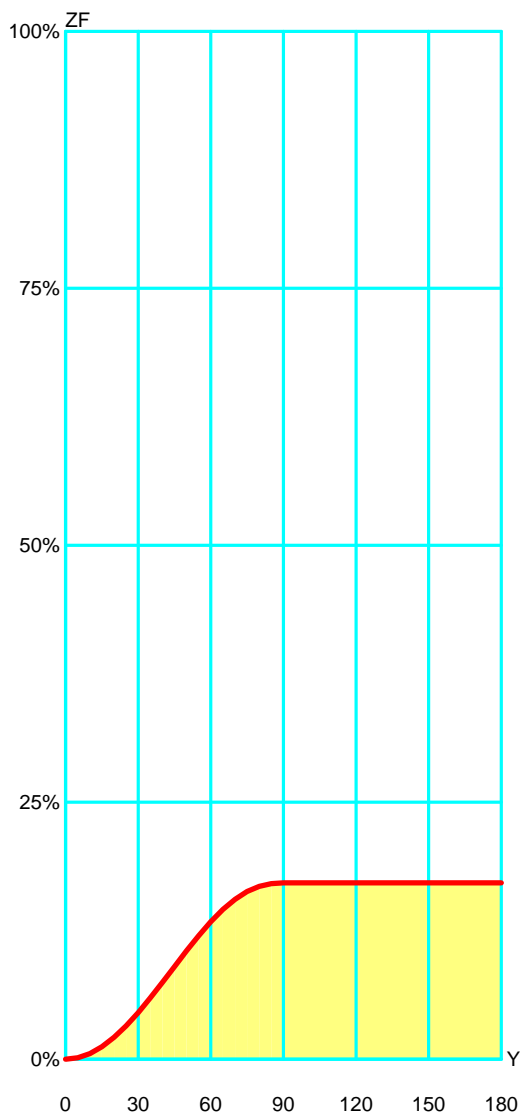
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	5	21	45	75	106	134	156	168	172	172	172	172	172	172	172	172	172	172

CIE Flux Codes

46 78 95 100 17

C.I.E.	5/5/5/5/5/5/5/5/5/4	LOR	17.16239 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	0.17 E	DLOR	17.16239 %
B NBN	BZ 5	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	1.38	1.38	0.81%	0.81%
10°	4.11	5.49	2.39%	3.20%
15°	6.70	12.19	3.91%	7.10%
20°	9.08	21.27	5.29%	12.40%
25°	11.18	32.45	6.51%	18.91%
30°	12.91	45.37	7.52%	26.43%
35°	14.23	59.59	8.29%	34.72%
40°	15.10	74.69	8.80%	43.52%
45°	15.47	90.16	9.01%	52.53%
50°	15.34	105.51	8.94%	61.48%
55°	14.70	120.21	8.57%	70.04%
60°	13.55	133.76	7.90%	77.94%
65°	11.95	145.71	6.96%	84.90%
70°	9.91	155.62	5.77%	90.67%
75°	7.53	163.15	4.39%	95.06%
80°	5.02	168.17	2.93%	97.99%
85°	2.62	170.79	1.53%	99.52%
90°	0.83	171.62	0.48%	100.00%
95°	0.00	171.62	0.00%	100.00%
100°	0.00	171.62	0.00%	100.00%
105°	0.00	171.62	0.00%	100.00%
110°	0.00	171.62	0.00%	100.00%
115°	0.00	171.62	0.00%	100.00%
120°	0.00	171.62	0.00%	100.00%
125°	0.00	171.62	0.00%	100.00%
130°	0.00	171.62	0.00%	100.00%
135°	0.00	171.62	0.00%	100.00%
140°	0.00	171.62	0.00%	100.00%
145°	0.00	171.62	0.00%	100.00%
150°	0.00	171.62	0.00%	100.00%
155°	0.00	171.62	0.00%	100.00%
160°	0.00	171.62	0.00%	100.00%
165°	0.00	171.62	0.00%	100.00%
170°	0.00	171.62	0.00%	100.00%
175°	0.00	171.62	0.00%	100.00%
180°	0.00	171.62	0.00%	100.00%