



Kub

Leds C4 Team

05-3220-14-14

Wall fixture Kub LED 4.1W 3000K White 271lm



TECHNICAL FEATURES

IP20 IK02



Power (W) : 4.1W

Real lumens : 271

Real lm/W : 68

Colour temperature : LED warm-white 3000K

Structure material : Aluminium, Aluminium

Structure finish : White

Useful life : 50.000h L80B20

Equipment included : Yes, electronic

Voltage / frequency : 100-240V/50-60Hz

Warranty : 5 Years

Max. temperature : 25°C

Energy efficiency : LED A++

LUMINOTECHNIC FEATURES

Light source: LED CREE

CRI: 80

MacAdam steps: 3

Photobiological risk: RG2

LOGISTICS

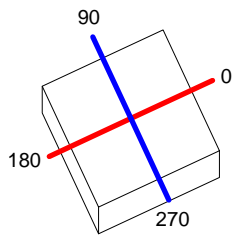


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Luminaire		Measur.		Lamp		
Code	05-3220	Code	05-3220	Code	LED	
Name	LED WALL LIGHT	Name	LED WALL LIGHT	Number	1	
Line	Eulumdat	Date	22-05-2014	Position		
Efficiency	59.61%	Coordinate system	CG	Total Flux	455.00 lm	
Maximum value	76.52 cd	Position	C=90.00 G=81.00	Asymmetrical		
Rectangular Luminaire	Length	100 mm	Width	100 mm	Height	100 mm
Rectangular Luminous Area	Length	100 mm	Width	100 mm	Height	100 mm
Horizontal Luminous Area	0.010000 m2	Emitting area on Plane 180°		0.010000 m2		
Emitting area on Plane 0°	0.010000 m2	Emitting area on Plane 270°		0.010000 m2		
Emitting area on Plane 90°	0.010000 m2	Glare area at 76°		0.012122 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	0.00	Measurement Flux		455.00 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

Line		Luminaire Lamps			Flux [lm]	Pow. [W]	Q.ty
Eulumdat	Code	Name	LED				
		LED - 5.60 W			455.00	5.60	1
C.I.E.	20 45 73 75 60	D DIN 5040	B11				
F UTE	0.45 J + 0.15 T	B NBN	BZ 9				

100mm x 100mm



C Halfplanes

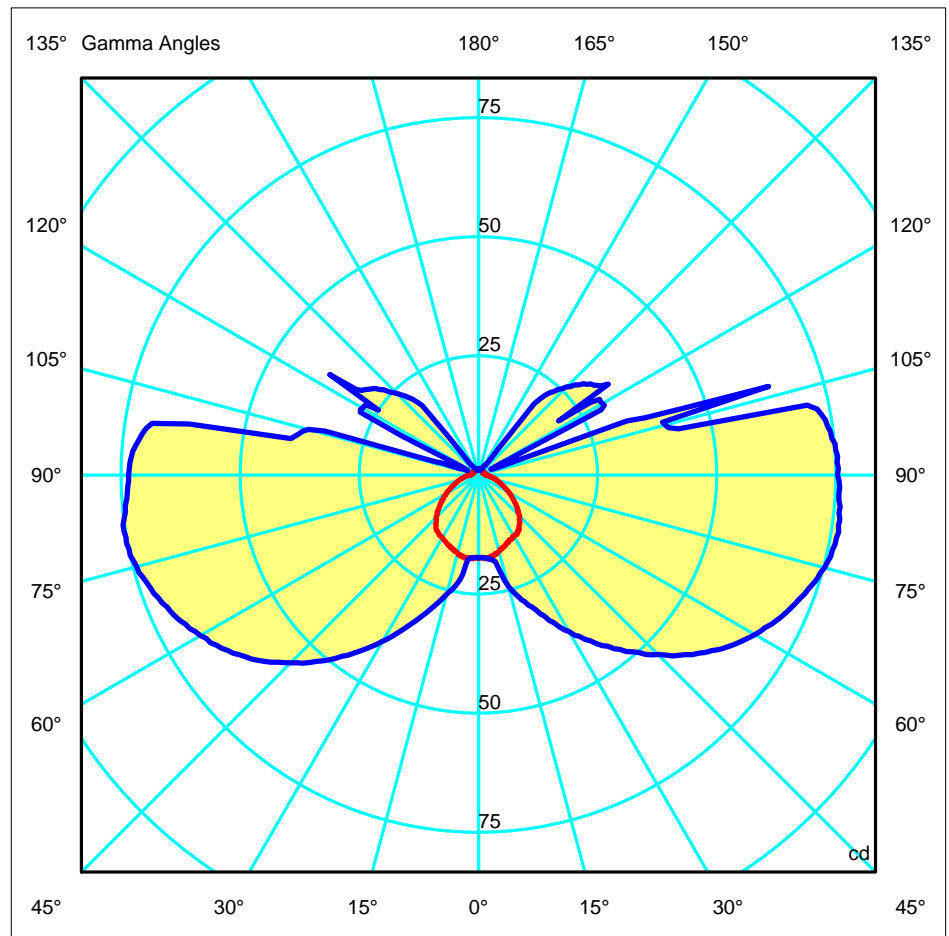
180.0 — 0.0

270.0 — 90.0

ULOR 14.94 %

DLOR 44.67 %

RN 25.06 %

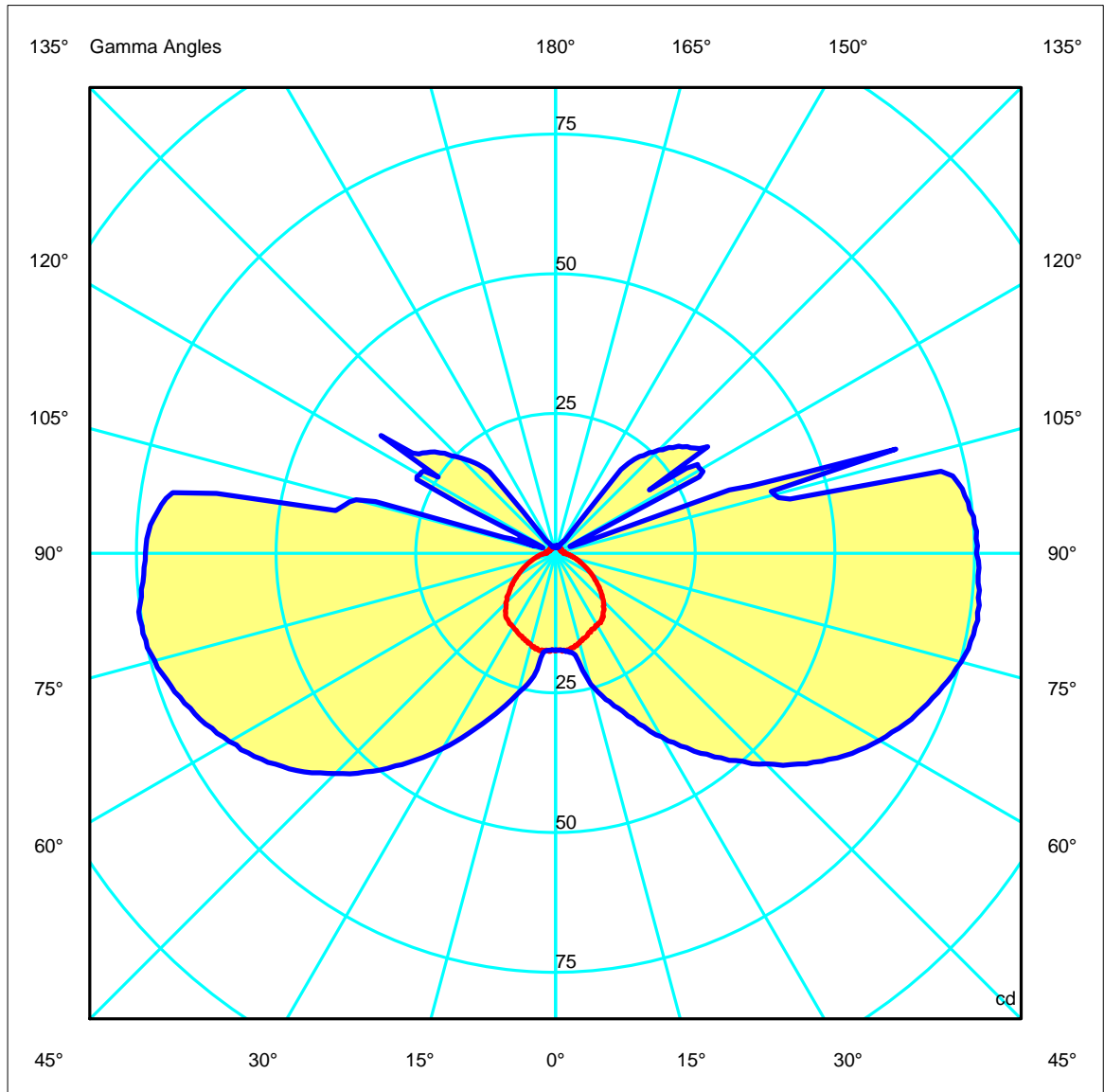
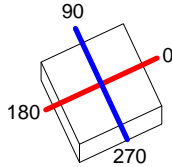


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100mm x 100mm

C Halfplanes

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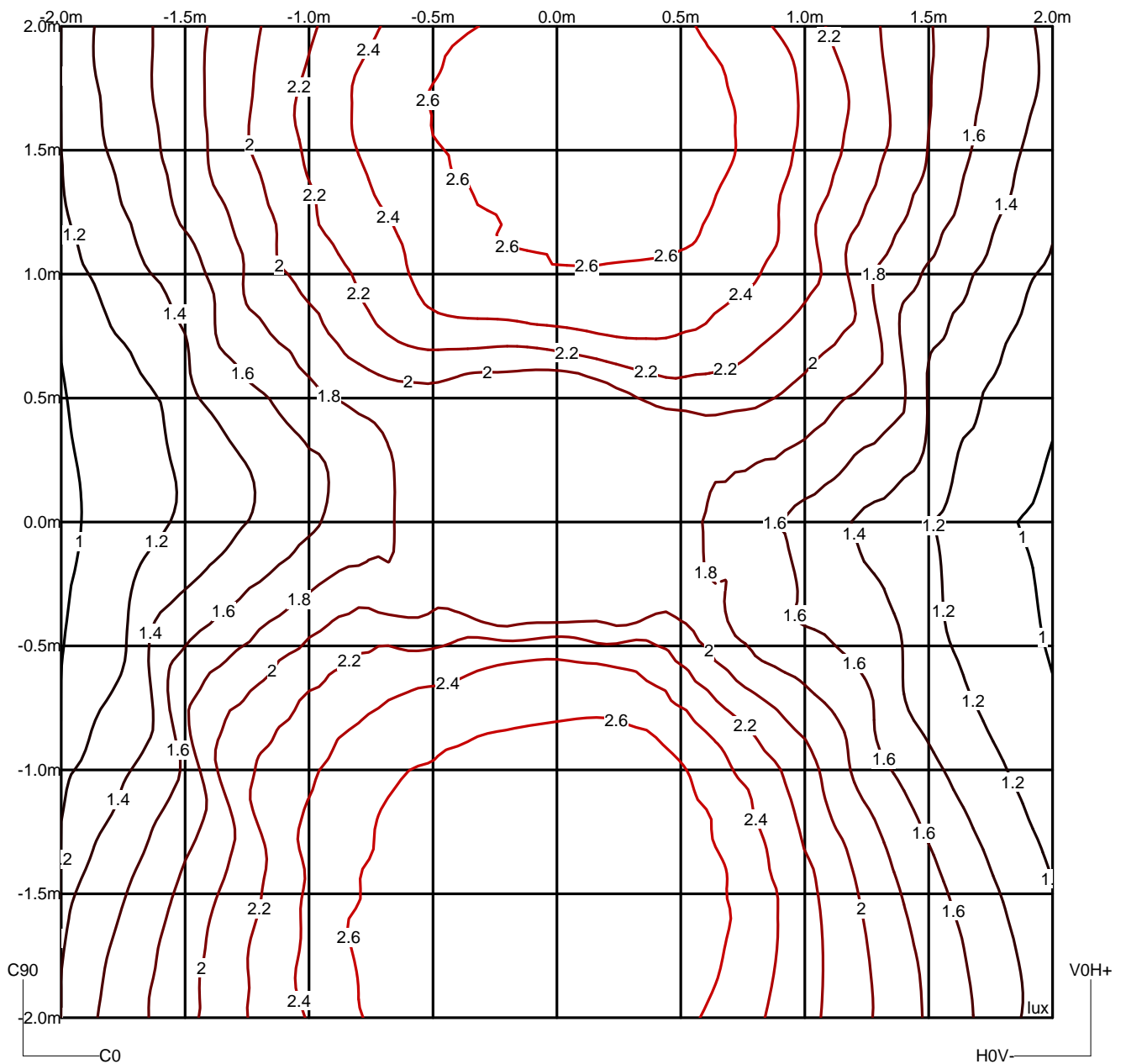
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Could not find 90270 right beam angle•gamma0180=0

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Isolux (Floor)

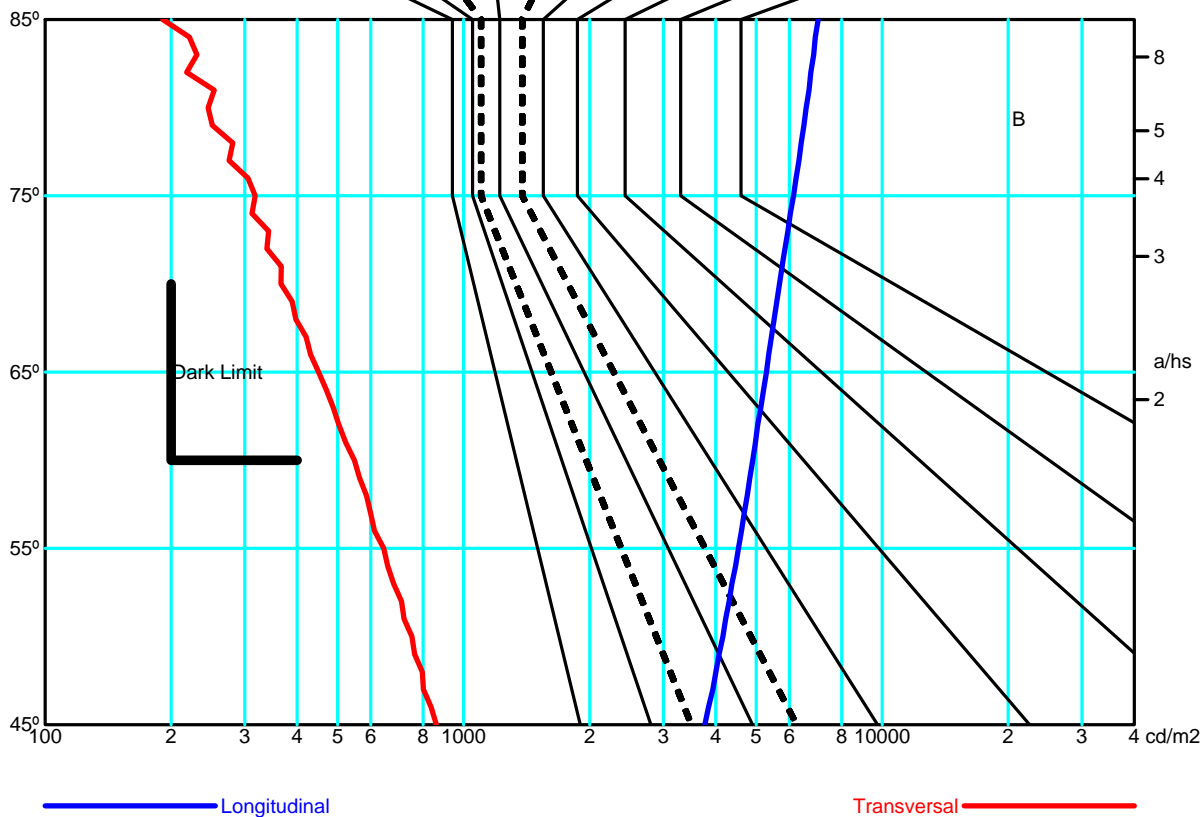
Luminaire position X=0.00m Y=0.00m Z=3.00m



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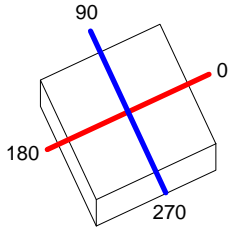
Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
90.0°	861	752	644	548	450	366	318	245	191	---
	3767	4162	4534	4903	5288	5685	6137	6582	7031	---

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



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100mm x 100mm



C Halfplanes

180.0 ——— 0.0
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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	6.6	7.9	7.2	8.5	20.2	17.4	18.7	18.1	19.4	20.2
x=2H y=3H	7.3	8.5	8.0	9.2	23.5	20.8	22.0	21.5	22.7	23.5
x=2H y=4H	7.6	8.8	8.3	9.5	25.2	22.5	23.6	23.2	24.4	25.2
x=2H y=6H	7.9	9.0	8.6	9.7	26.8	24.2	25.2	24.9	26.0	26.8
x=2H y=8H	8.0	9.1	8.7	9.8	27.6	25.0	26.0	25.7	26.7	27.6
x=2H y=12H	8.1	9.1	8.9	9.9	28.3	25.7	26.7	26.5	27.5	28.3
x=4H y=2H	11.0	12.1	11.6	12.8	20.3	17.6	18.8	18.3	19.5	20.3
x=4H y=3H	11.6	12.6	12.3	13.3	24.0	21.4	22.4	22.1	23.1	24.0
x=4H y=4H	11.8	12.7	12.5	13.5	25.9	23.3	24.2	24.0	25.0	25.9
x=4H y=6H	12.0	12.8	12.7	13.6	27.8	25.3	26.1	26.0	26.9	27.8
x=4H y=8H	12.0	12.8	12.8	13.6	28.7	26.2	27.0	26.9	27.7	28.7
x=4H y=12H	12.1	12.8	12.9	13.6	29.5	27.1	27.8	27.9	28.6	29.5
x=8H y=4H	15.3	16.0	16.0	16.8	25.9	23.4	24.2	24.2	25.0	25.9
x=8H y=6H	15.6	16.2	16.4	17.0	28.1	25.6	26.3	26.4	27.1	28.1
x=8H y=8H	15.6	16.2	16.4	17.1	29.2	26.8	27.4	27.6	28.2	29.2
x=8H y=12H	15.7	16.2	16.5	17.1	30.3	27.9	28.5	28.7	29.3	30.3
x=12H y=4H	16.3	17.0	17.1	17.8	25.8	23.4	24.1	24.2	24.9	25.8
x=12H y=6H	17.0	17.6	17.8	18.4	28.0	25.6	26.2	26.4	27.1	28.0
x=12H y=8H	17.2	17.7	18.0	18.5	29.2	26.9	27.4	27.7	28.2	29.2

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Total Flux=455.00 Luminaire Flux=271.21

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	0.13	0.18	0.23	0.29	0.34	0.42	0.49	0.54	0.61	0.66	0.78	0.87
RC	10	10	10	10	10	10	10	10	10	10	9	9

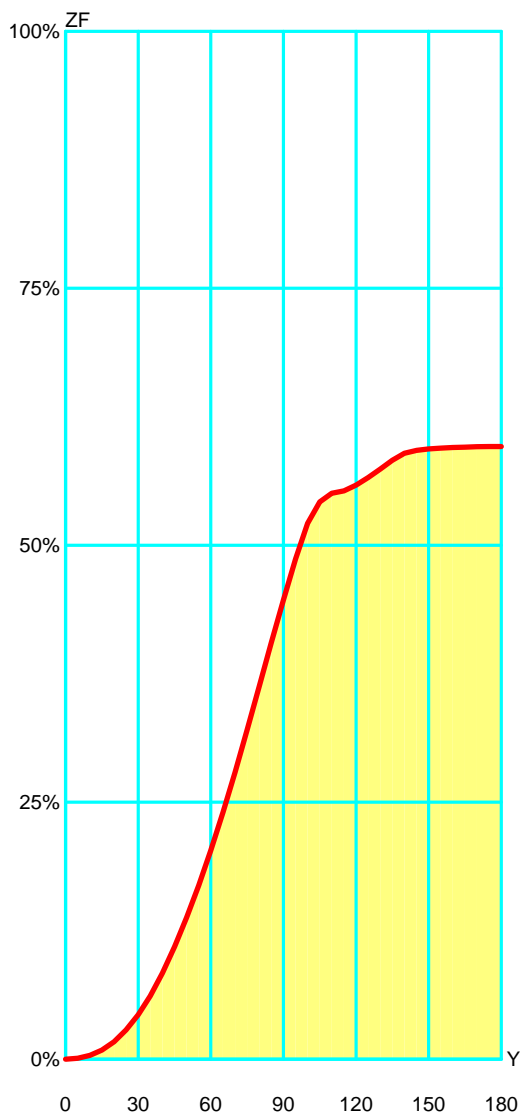
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	4	17	43	84	138	203	279	363	447	521	551	558	574	590	594	595	596	596

CIE Flux Codes

20 45 73 75 60

C.I.E.	10/10/10/10/10/10/10/10/10/9/9	LOR	59.60725 %
D DIN 5040	B11	ULOR	14.93915 %
F UTE	0.45 J + 0.15 T	DLOR	44.66809 %
B NBN	BZ 9	UFF	25.06265 %
RN	25.06265 %	DFF	74.93735 %
BLF	1.0	FFR	33.44480 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	0.91	0.91	0.15%	0.15%
10°	2.81	3.73	0.47%	0.63%
15°	5.20	8.92	0.87%	1.50%
20°	8.14	17.06	1.37%	2.86%
25°	11.38	28.44	1.91%	4.77%
30°	14.82	43.26	2.49%	7.26%
35°	18.30	61.56	3.07%	10.33%
40°	22.16	83.72	3.72%	14.04%
45°	25.77	109.49	4.32%	18.37%
50°	28.36	137.85	4.76%	23.13%
55°	31.21	169.05	5.24%	28.36%
60°	34.07	203.12	5.72%	34.08%
65°	36.79	239.91	6.17%	40.25%
70°	39.29	279.20	6.59%	46.84%
75°	41.06	320.26	6.89%	53.73%
80°	42.56	362.82	7.14%	60.87%
85°	42.41	405.23	7.12%	67.98%
90°	41.45	446.68	6.95%	74.94%
95°	40.09	486.77	6.73%	81.66%
100°	34.51	521.28	5.79%	87.45%
105°	20.96	542.24	3.52%	90.97%
110°	8.32	550.55	1.40%	92.36%
115°	2.40	552.95	0.40%	92.77%
120°	5.51	558.46	0.92%	93.69%
125°	7.46	565.92	1.25%	94.94%
130°	8.21	574.13	1.38%	96.32%
135°	8.59	582.72	1.44%	97.76%
140°	6.78	589.50	1.14%	98.90%
145°	2.84	592.34	0.48%	99.37%
150°	1.31	593.65	0.22%	99.59%
155°	0.85	594.50	0.14%	99.74%
160°	0.56	595.06	0.09%	99.83%
165°	0.44	595.50	0.07%	99.90%
170°	0.32	595.82	0.05%	99.96%
175°	0.19	596.01	0.03%	99.99%
180°	0.06	596.07	0.01%	100.00%