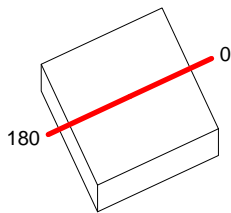


Luminaire		Measur.		Lamp		
Code	55-9245-Y4	Code	44870V.WFL/p95/791	Code	QR-CB 50W 60D	
Name	AQUA	Name	AQUA	Number	1	
Line	Eulumdat	Date	29-04-1994	Position		
Efficiency	99.98%	Coordinate system	CG	Total Flux	1474.00 lm	
Maximum value	1429.78 cd	Position	C=0.00 G=0.00	Rotosymmetrical		
Rectangular Luminaire	Length	110 mm	Width	110 mm	Height	99 mm
Rectangular Luminous Area	Length	50 mm	Width	50 mm	Height	0 mm
Horizontal Luminous Area	0.002500 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°		0.000605 m2	
Symmetry Type	Rotosymmetrical		Maximum Gamma Angle		180	
Measurement Distance	0.00		Measurement Flux		1474.00 lm	
Operator			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	QR-CB 50W 60D	QR-CB 50W 60D - 50.00 W	1474.00	50.00	1	
C.I.E.	81 94 97 100 100	D DIN 5040		A60		
F UTE	1.00 B	B NBN		BZ 1 / 4 / BZ 2		

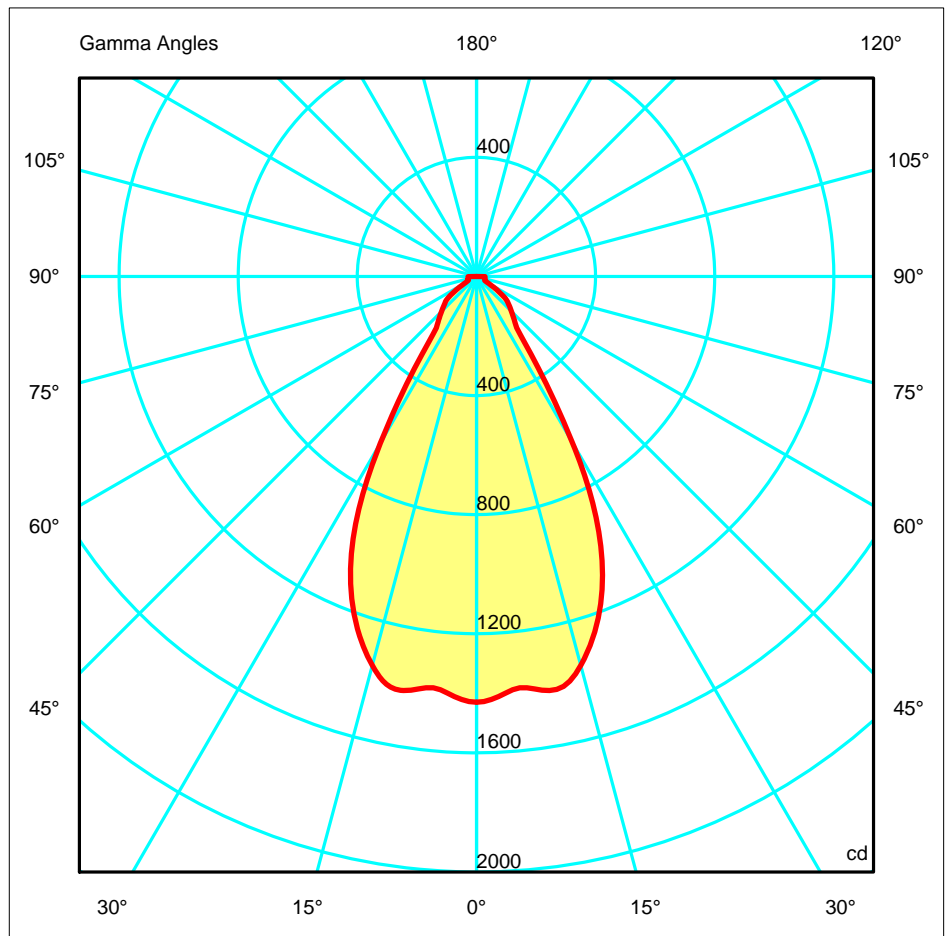
110mm x 110mm



C Halfplanes

180.0 ——— 0.0

ULOR 0.00 %
DLOR 99.97 %
RN 0.00 %

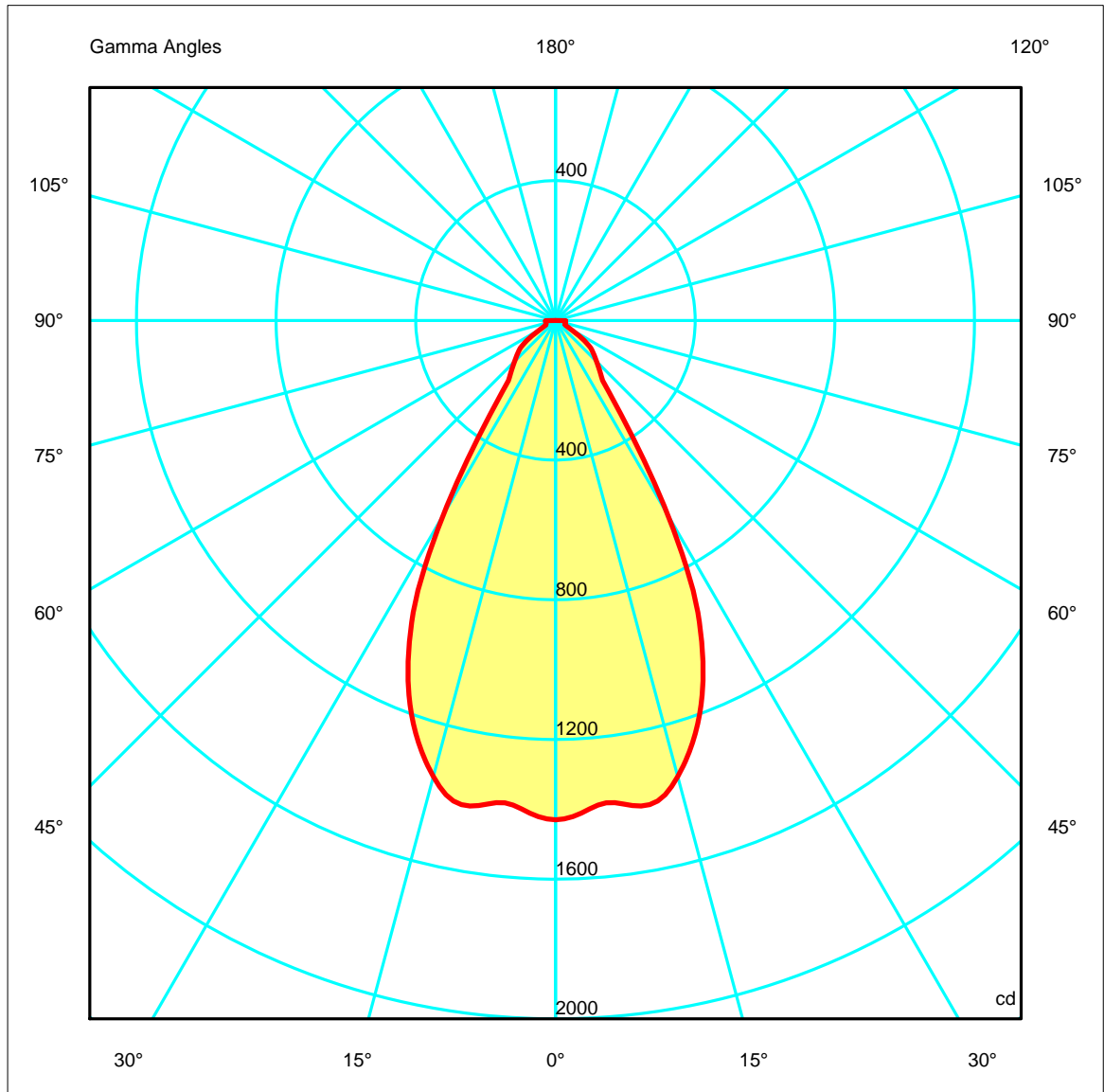
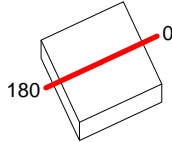


Luminaire		Measur.		Lamp	
Code	55-9245-Y4	Code	44870V.WFL/p95/791	Code	QR-CB 50W 60D
Name	AQUA	Name	AQUA	Number	1
Line	Eulumdat	Date	29-04-1994	Position	
Efficiency	99.98%	Coordinate system	CG	Total Flux	1474.00 lm

110mm x 110mm

C Halfplanes

180.0  0.0



Luminaire	Measur.	Lamp
Code 55-9245-Y4	Code 44870V.WFL/p95/791	Code QR-CB 50W 60D
Name AQUA	Name AQUA	Number 1
Line Eulumdat	Date 29-04-1994	Position

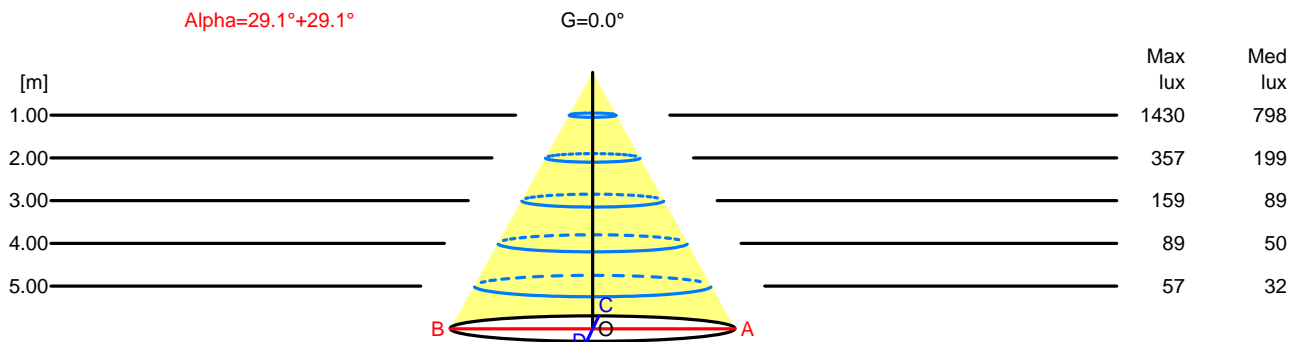
Efficiency 99.98%	Coordinate system CG	Total Flux 1474.00 lm
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Width at 50.00 % of Max Intensity

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	0.56	1.11	1.67	2.22	2.78	OC	0.56	1.11	1.67	2.22	2.78
OB	0.56	1.11	1.67	2.22	2.78	OD	0.56	1.11	1.67	2.22	2.78

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1429.78	1392.93	1352.25	983.60	319.56	165.53	100.67	30.51	28.74	28.60
OB	1429.78	1392.93	1352.25	983.60	319.56	165.53	100.67	30.51	28.74	28.60
OC	1429.78	1392.93	1352.25	983.60	319.56	165.53	100.67	30.51	28.74	28.60
OD	1429.78	1392.93	1352.25	983.60	319.56	165.53	100.67	30.51	28.74	28.60



H[m]	D[m]	Max lux	Med lux	Alpha=29.1°+29.1°	G=0.0	
1.00	1.11	1430	798			
2.00	2.22	357	199			
3.00	3.33	159	89			
4.00	4.44	89	50			
5.00	5.56	57	32			

Luminaire
 Code 55-9245-Y4
 Name AQUA
 Line Eulumdat

Measur.
 Code 44870V.WFL/p95/791
 Name AQUA
 Date 29-04-1994

Lamp
 Code QR-CB 50W 60D
 Number 1
 Position

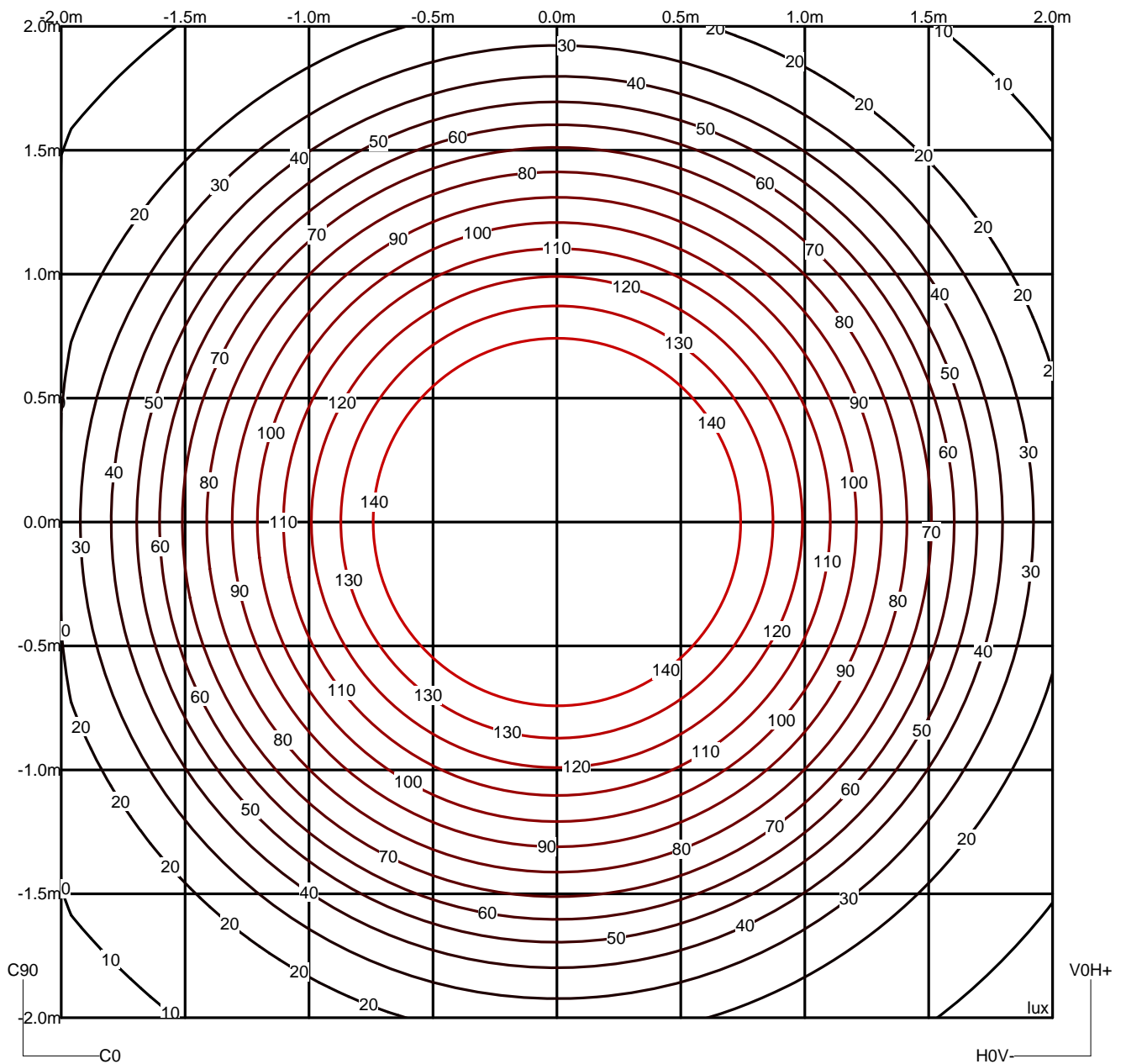
Efficiency 99.98%

Coordinate system CG

Total Flux 1474.00 lm

Isolux (Floor)

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



Luminaire
 Code 55-9245-Y4
 Name AQUA
 Line Eulumdat

Measur.
 Code 44870V.WFL/p95/791
 Name AQUA
 Date 29-04-1994

Lamp
 Code QR-CB 50W 60D
 Number 1
 Position

Efficiency 99.98%

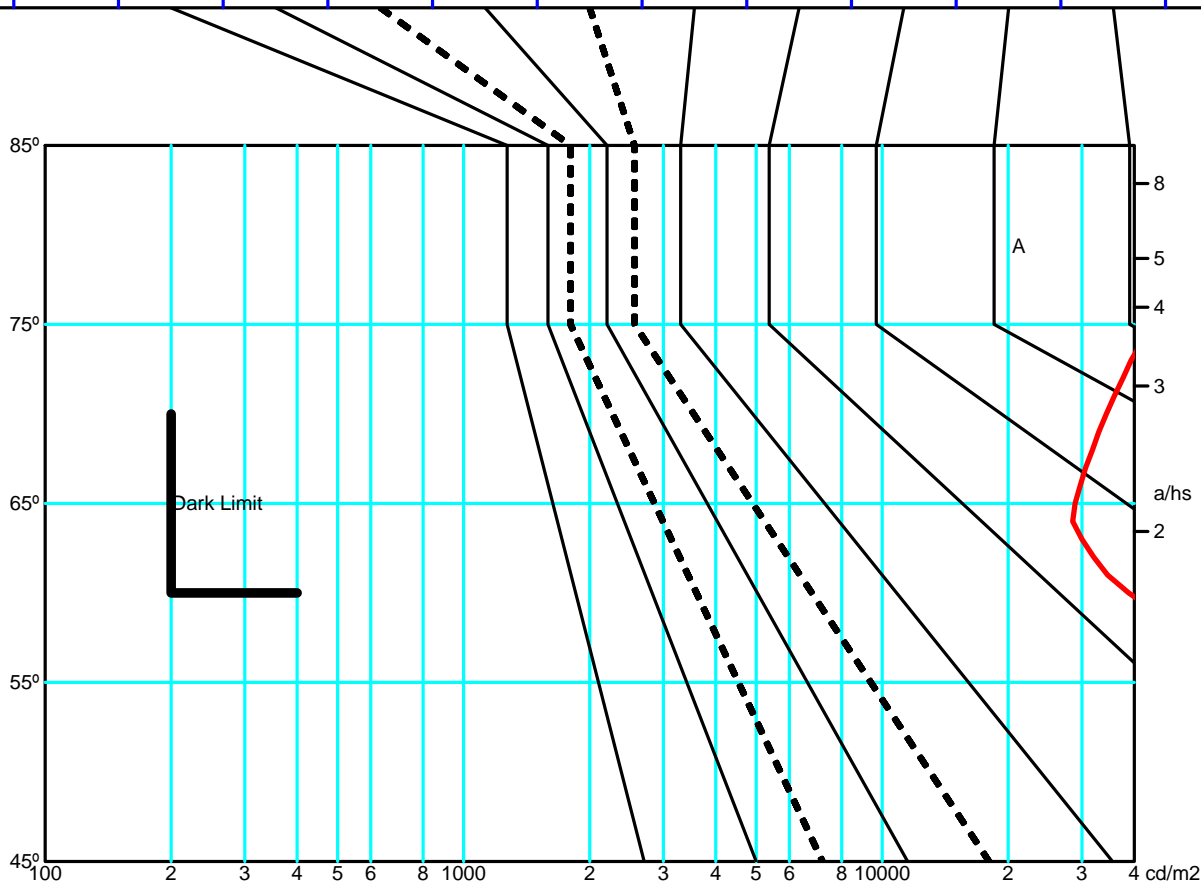
Coordinate system CG

Total Flux 1474.00 lm

Average Luminance [cd/m²]

0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	---
93638	85947	70208	38796	28879	34305	44422	65870	131239		

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

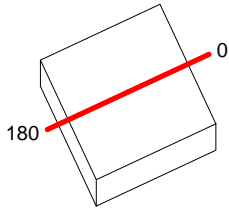


Transversal —————

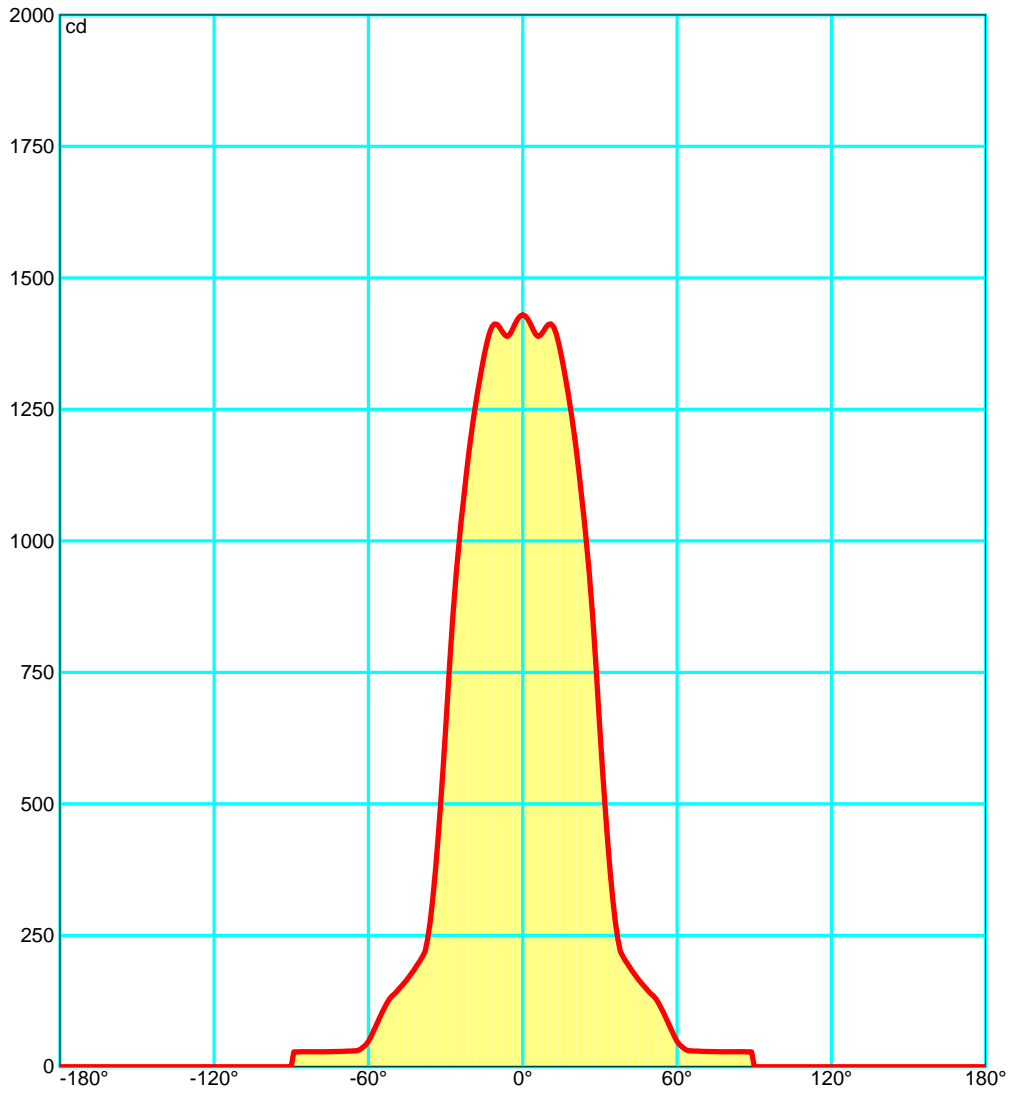
Luminaire		Measur.		Lamp	
Code	55-9245-Y4	Code	44870V.WFL/p95/791	Code	QR-CB 50W 60D
Name	AQUA	Name	AQUA	Number	1
Line	Eulmdat	Date	29-04-1994	Position	
Efficiency	99.98%	Coordinate system	CG	Total Flux	1474.00 lm

110mm x 110mm

C Halfplanes



180.0 ————— 0.0



Luminaire		Measur.		Lamp	
Code	55-9245-Y4	Code	44870V.WFL/p95/791	Code	QR-CB 50W 60D
Name	AQUA	Name	AQUA	Number	1
Line	Eulumdat	Date	29-04-1994	Position	
Efficiency	99.98%	Coordinate system	CG	Total Flux	1474.00 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	24.0	24.9	24.3	25.1	25.3	24.0	24.9	24.3	25.1	25.3
x=2H y=3H	24.4	25.2	24.7	25.5	25.7	24.4	25.2	24.7	25.5	25.7
x=2H y=4H	24.9	25.7	25.2	25.9	26.2	24.9	25.7	25.2	25.9	26.2
x=2H y=6H	25.8	26.5	26.1	26.7	27.0	25.8	26.5	26.1	26.7	27.0
x=2H y=8H	26.4	27.1	26.7	27.4	27.7	26.4	27.1	26.7	27.4	27.7
x=2H y=12H	27.3	27.9	27.6	28.2	28.5	27.3	27.9	27.6	28.2	28.5
x=4H y=2H	24.2	24.9	24.5	25.2	25.4	24.2	24.9	24.5	25.2	25.4
x=4H y=3H	24.8	25.5	25.2	25.8	26.1	24.8	25.5	25.2	25.8	26.1
x=4H y=4H	25.6	26.1	25.9	26.4	26.8	25.6	26.1	25.9	26.4	26.8
x=4H y=6H	26.7	27.2	27.2	27.6	28.0	26.7	27.2	27.2	27.6	28.0
x=4H y=8H	27.6	28.0	28.0	28.4	28.8	27.6	28.0	28.0	28.4	28.8
x=4H y=12H	28.7	29.1	29.1	29.5	29.9	28.7	29.1	29.1	29.5	29.9
x=8H y=4H	25.9	26.4	26.4	26.8	27.2	25.9	26.4	26.4	26.8	27.2
x=8H y=6H	27.5	27.8	27.9	28.2	28.7	27.5	27.8	27.9	28.2	28.7
x=8H y=8H	28.6	28.9	29.0	29.3	29.8	28.6	28.9	29.0	29.3	29.8
x=8H y=12H	29.9	30.2	30.4	30.6	31.1	29.9	30.2	30.4	30.6	31.1
x=12H y=4H	26.1	26.5	26.5	26.9	27.3	26.1	26.5	26.5	26.9	27.3
x=12H y=6H	27.7	28.0	28.2	28.5	29.0	27.7	28.0	28.2	28.5	29.0
x=12H y=8H	28.9	29.2	29.4	29.6	30.1	28.9	29.2	29.4	29.6	30.1

Luminaire	Measur.	Lamp
Code 55-9245-Y4	Code 44870V.WFL/p95/791	Code QR-CB 50W 60D
Name AQUA	Name AQUA	Number 1
Line Eulumdat	Date 29-04-1994	Position

Efficiency 99.98%	Coordinate system CG	Total Flux 1474.00 lm
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Total Flux=1474.00 Luminaire Flux=1473.68

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	0.58	0.64	0.70	0.75	0.78	0.84	0.87	0.90	0.92	0.94	0.97	0.99
RC	-	-	1	1	1	1	1	1	1	1	1	-

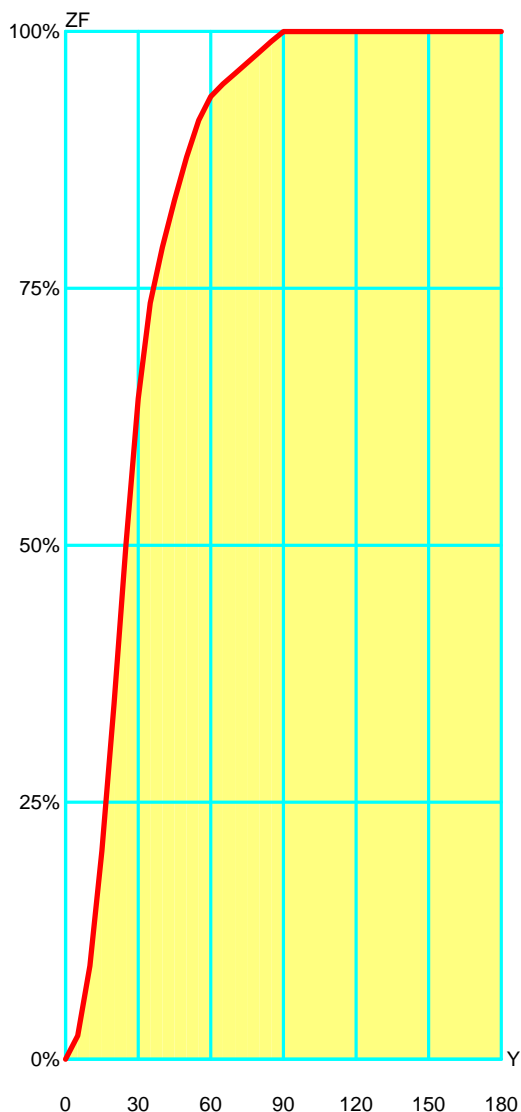
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	91	346	643	790	878	937	959	980	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

81 94 97 100 100

C.I.E.	-/-/1/1/1/1/1/1/1/1/-	LOR	99.97802 %
D DIN 5040	A60	ULOR	0.00384 %
F UTE	1.00 B	DLOR	99.97419 %
B NBN	BZ 1 / 4 / BZ 2	UFF	0.00384 %
RN	0.00384 %	DFF	99.99616 %
BLF	1.0	FFR	0.00384 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	22.85	22.85	2.29 %	2.29 %
10°	67.89	90.74	6.79 %	9.08 %
15°	112.05	202.79	11.21 %	20.28 %
20°	143.06	345.85	14.31 %	34.59 %
25°	156.00	501.86	15.60 %	50.20 %
30°	140.86	642.72	14.09 %	64.29 %
35°	92.95	735.68	9.30 %	73.58 %
40°	54.46	790.13	5.45 %	79.03 %
45°	45.89	836.02	4.59 %	83.62 %
50°	41.54	877.56	4.15 %	87.77 %
55°	35.99	913.55	3.60 %	91.37 %
60°	23.04	936.59	2.30 %	93.68 %
65°	12.13	948.72	1.21 %	94.89 %
70°	10.26	958.98	1.03 %	95.92 %
75°	10.27	969.25	1.03 %	96.95 %
80°	10.39	979.63	1.04 %	97.98 %
85°	10.54	990.18	1.05 %	99.04 %
90°	9.57	999.74	0.96 %	100.00 %
95°	0.04	999.78	0.00 %	100.00 %
100°	0.00	999.78	0.00 %	100.00 %
105°	0.00	999.78	0.00 %	100.00 %
110°	0.00	999.78	0.00 %	100.00 %
115°	0.00	999.78	0.00 %	100.00 %
120°	0.00	999.78	0.00 %	100.00 %
125°	0.00	999.78	0.00 %	100.00 %
130°	0.00	999.78	0.00 %	100.00 %
135°	0.00	999.78	0.00 %	100.00 %
140°	0.00	999.78	0.00 %	100.00 %
145°	0.00	999.78	0.00 %	100.00 %
150°	0.00	999.78	0.00 %	100.00 %
155°	0.00	999.78	0.00 %	100.00 %
160°	0.00	999.78	0.00 %	100.00 %
165°	0.00	999.78	0.00 %	100.00 %
170°	0.00	999.78	0.00 %	100.00 %
175°	0.00	999.78	0.00 %	100.00 %
180°	0.00	999.78	0.00 %	100.00 %