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## EVERFINE

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LumCAT: BT-TB72W 384LEDs 5000k R70 120D

Luminaire: BT-TB72W

Report No:

Voltage(V): 230.1

Test No:

Current(A): 0.3242

LampCAT: SMD5630

Power (W): 71.500

Lamp flux(lm): 9165.0

PF: 0.9586

Number of Lamps: 1

Ballast type:

Length(mm): 2400

Width(mm): 65

Phm Type: C

Height(mm): 65

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## Photometric Results

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Lumens(lm): 9165.73

Efficiency(%): 100.01%

Lumens(lm)/Power(W): 128.19

Central intensity(cd): 3157.624

Maximum intensity(cd): 3161.714

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

Beam Angle(50%Imax): [C0/180]Left=62.1 Right=56.1

[C90/270]Left=52.9 Right=53.1

Field angle(10%Imax): [C0/180]Left=89.0 Right=87.5

[C90/270]Left=77.1 Right=77.1

Maximum s/h: C0\_180=1.28 C90\_270=1.22

Up flux rate of lamp(%): 0.28%

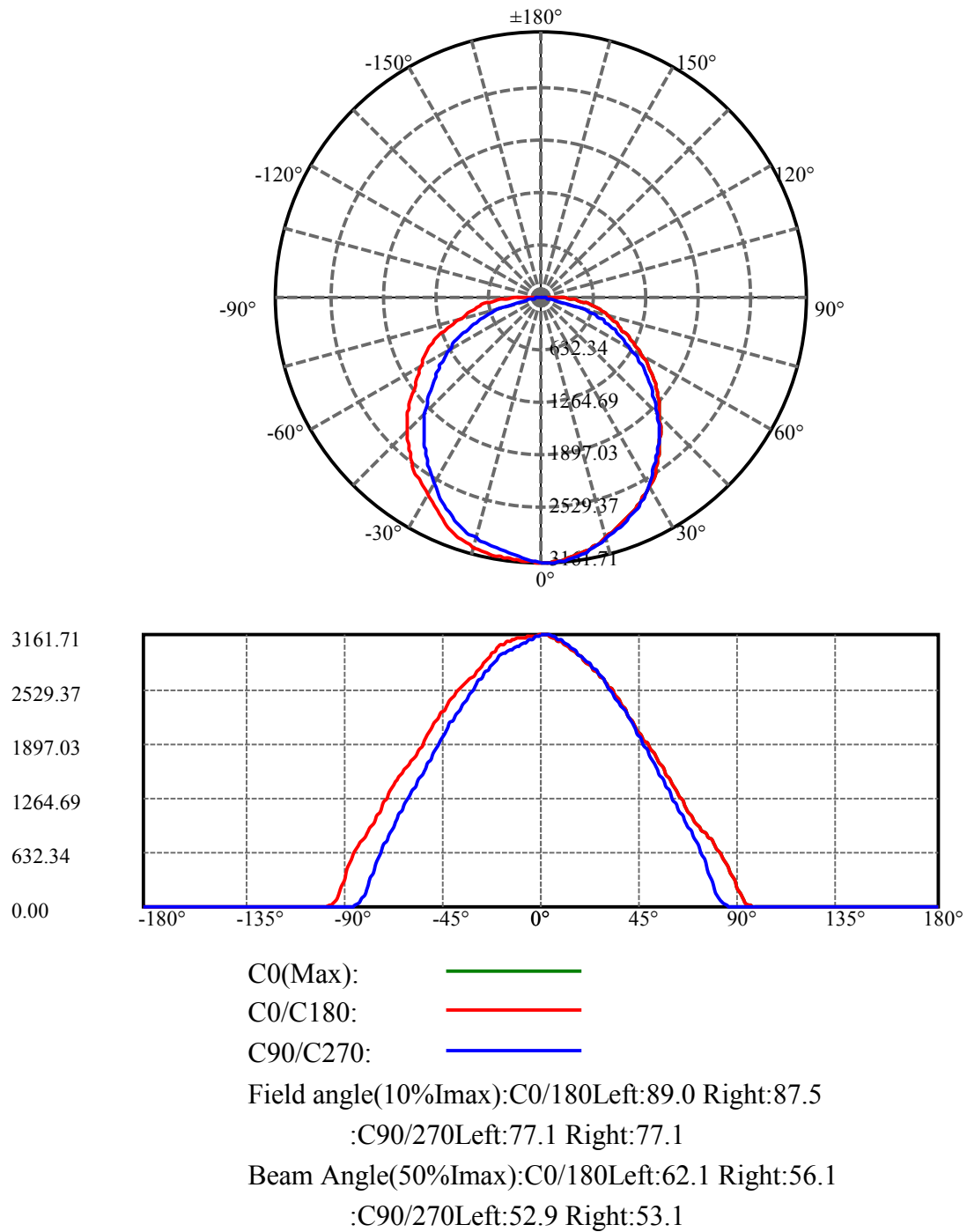
Down flux rate of lamp(%): 99.73%

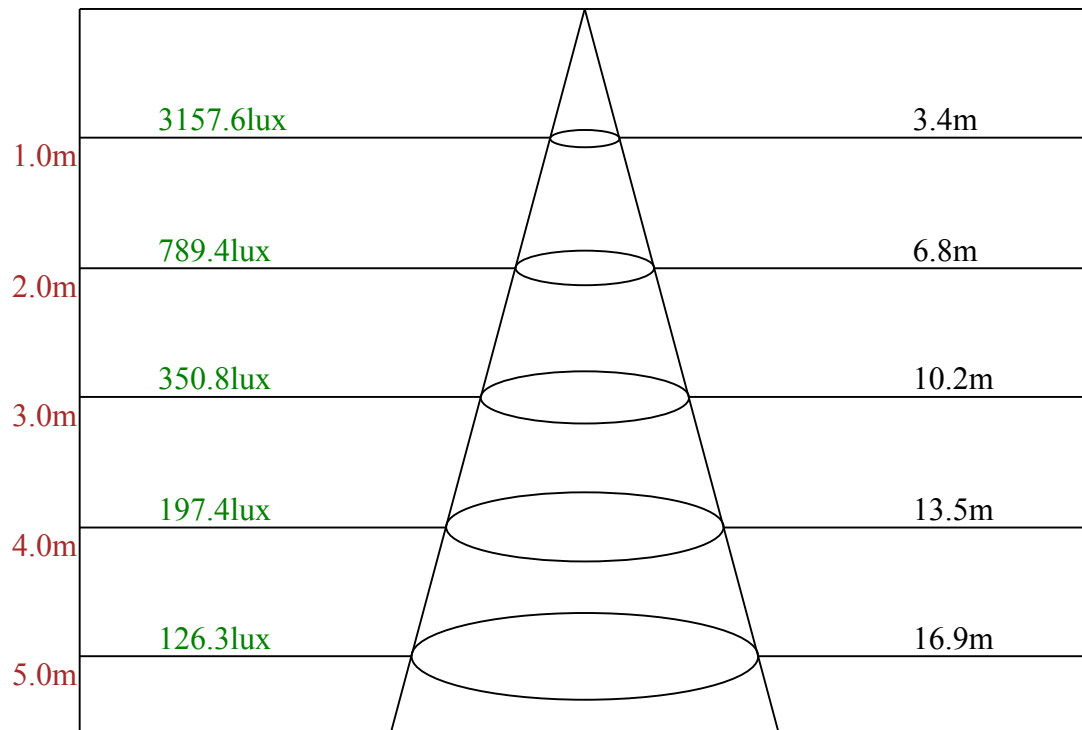
Up flux rate of LUM(%): 0.28%

Down flux rate of LUM(%): 99.72%

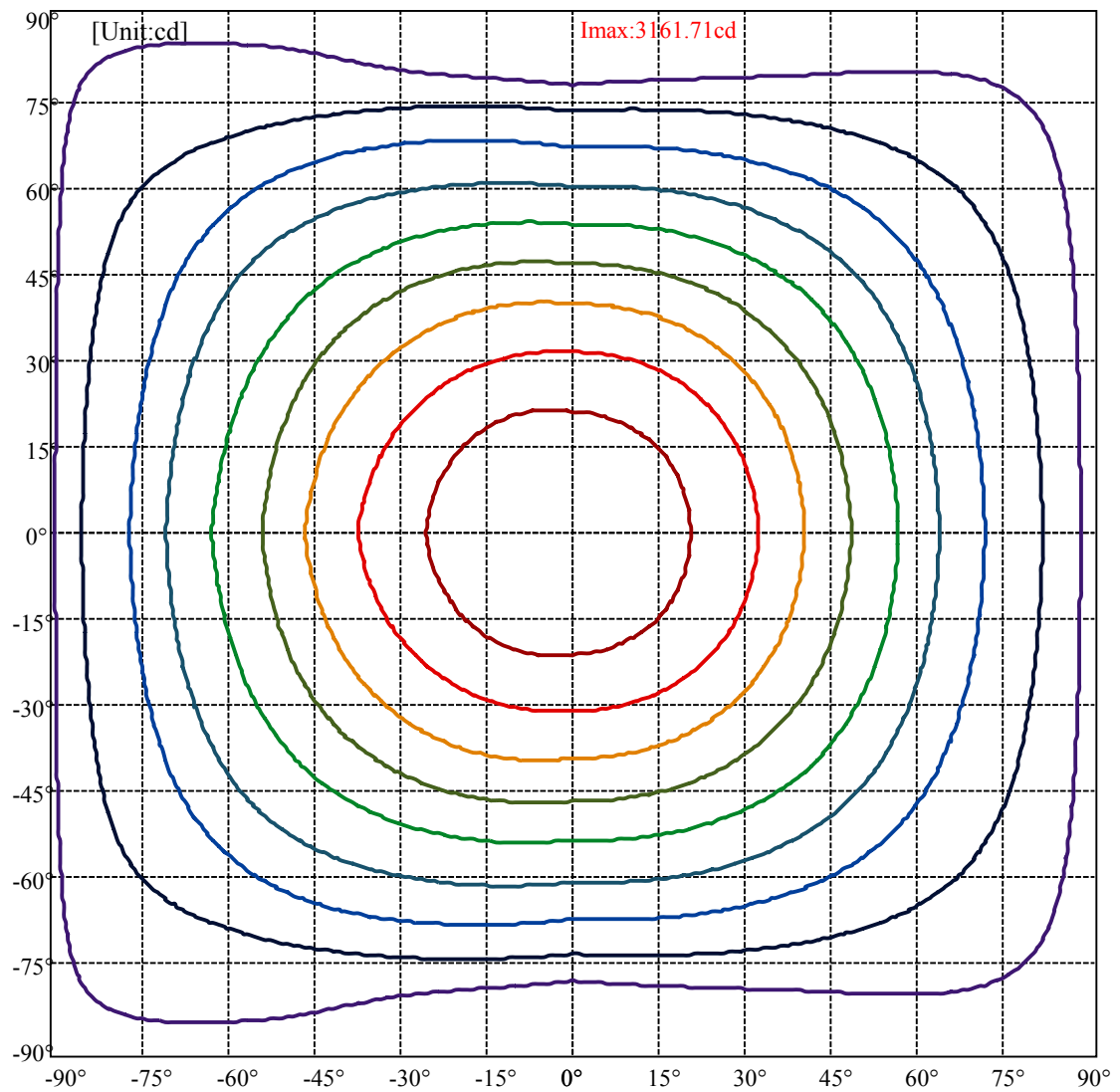
CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 75.867%



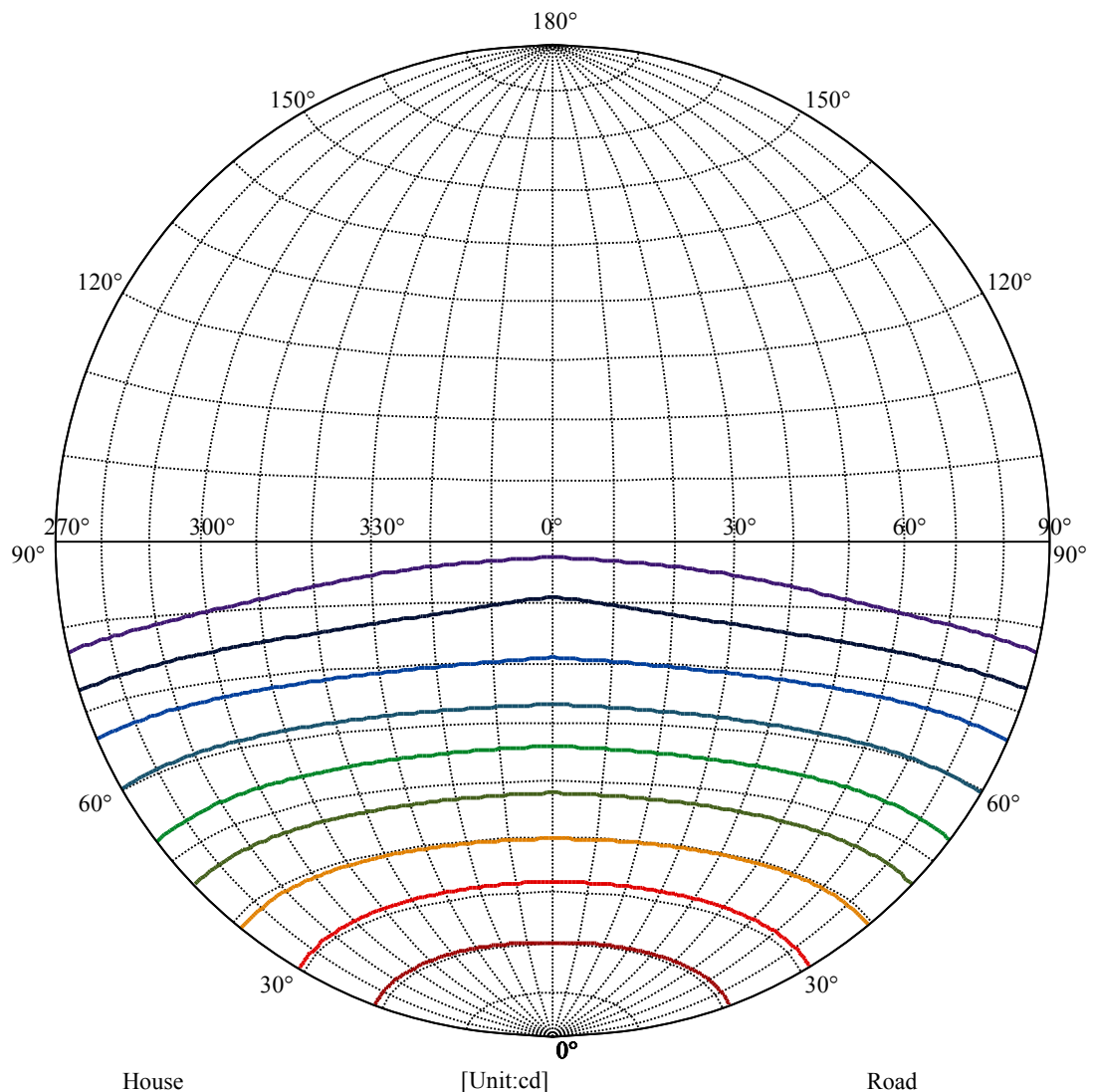


Beam angle of C0plane118.33



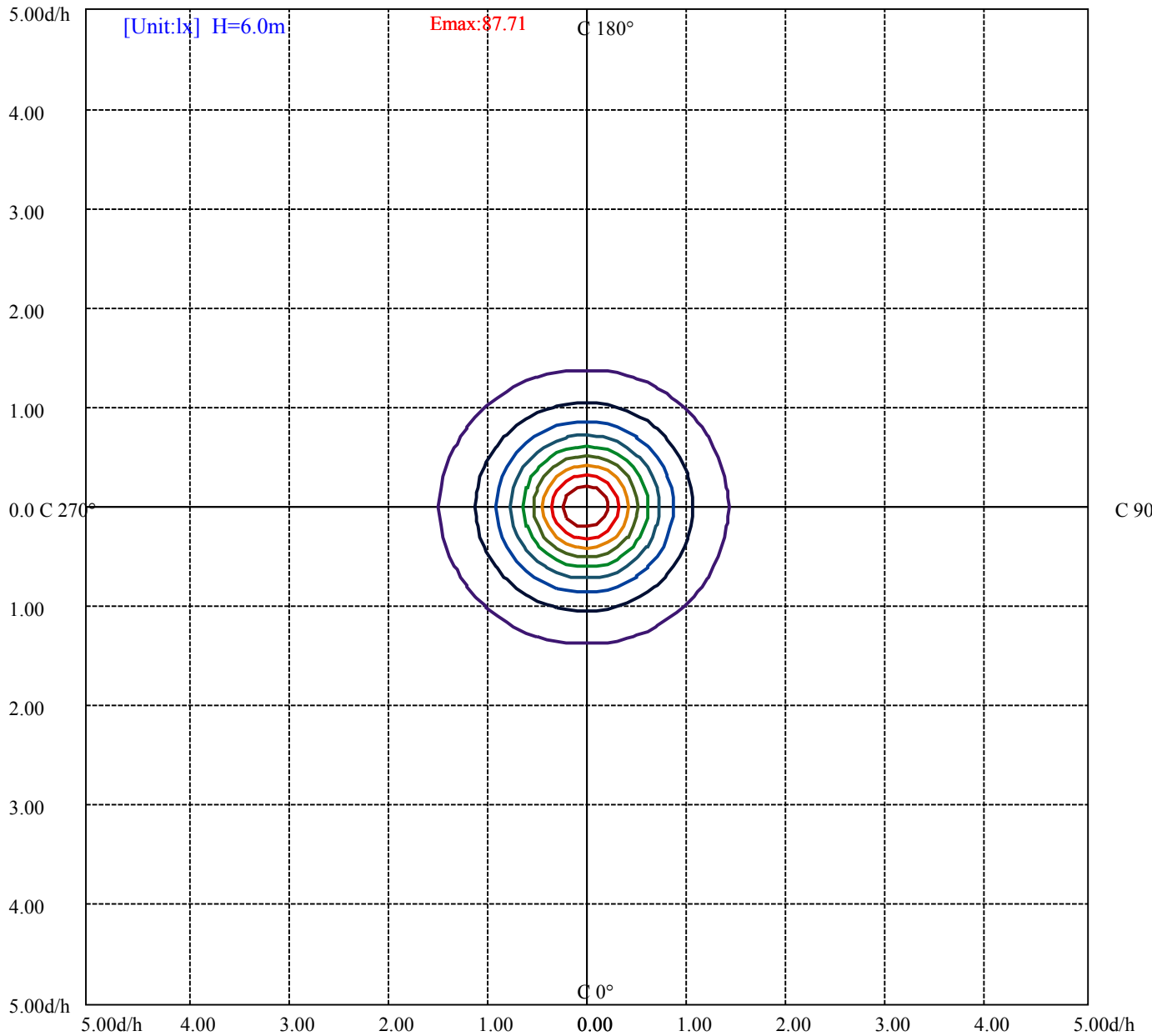
(10%Imax) 316.171  
(20%Imax) 632.343  
(30%Imax) 948.514  
(40%Imax) 1264.69  
(50%Imax) 1580.86  
(60%Imax) 1897.03  
(70%Imax) 2213.2  
(80%Imax) 2529.37  
(90%Imax) 2845.54



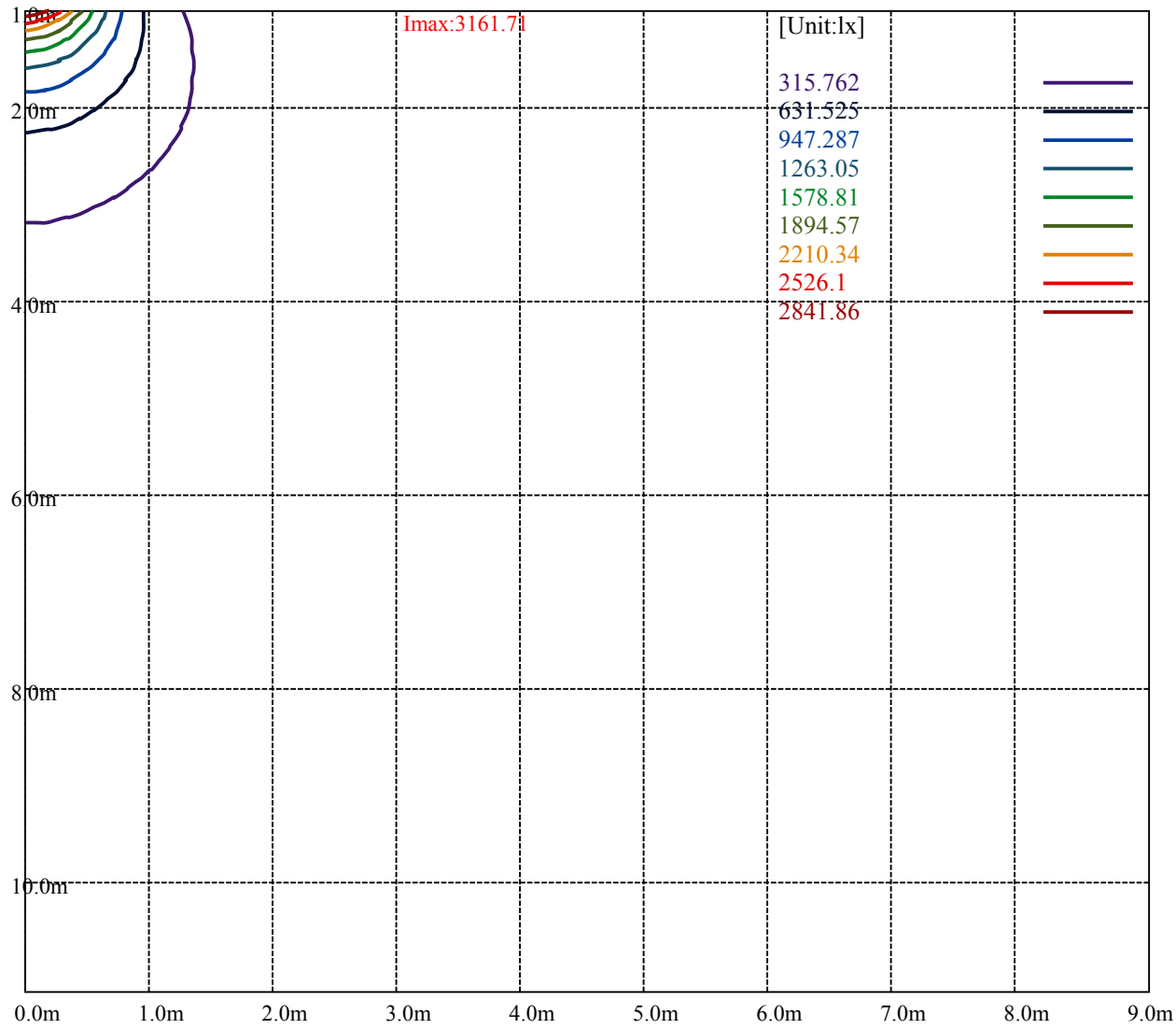


Imax:3161.71

(10%Imax)	316.171	
(20%Imax)	632.343	
(30%Imax)	948.514	
(40%Imax)	1264.69	
(50%Imax)	1580.86	
(60%Imax)	1897.03	
(70%Imax)	2213.2	
(80%Imax)	2529.37	
(90%Imax)	2845.54	



(10%Emax) 8.771167	—
(20%Emax) 17.54236	—
(30%Emax) 26.31353	—
(40%Emax) 35.08472	—
(50%Emax) 43.85583	—
(60%Emax) 52.62694	—
(70%Emax) 61.39833	—
(80%Emax) 70.16945	—
(90%Emax) 78.94056	—



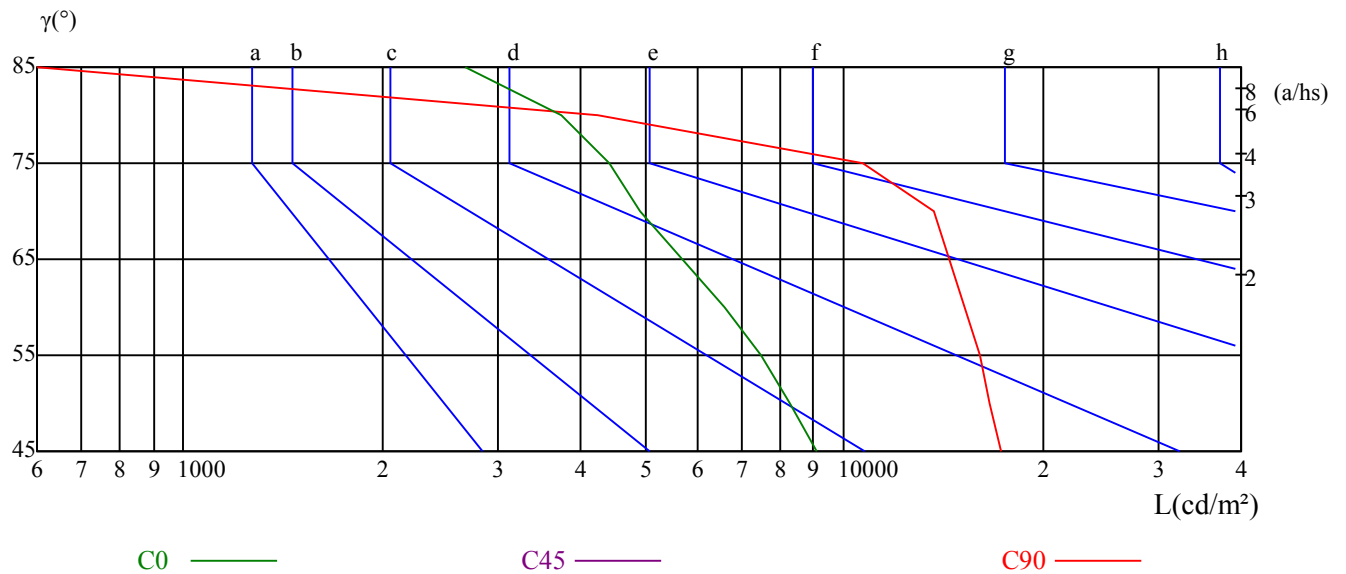
Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	9079	8301	7482	6591	5696	4913	4405	3732	2673
C45	0	0	0	0	0	0	0	0	0
C90	17283	16644	16055	15220	14419	13661	10668	4249	514

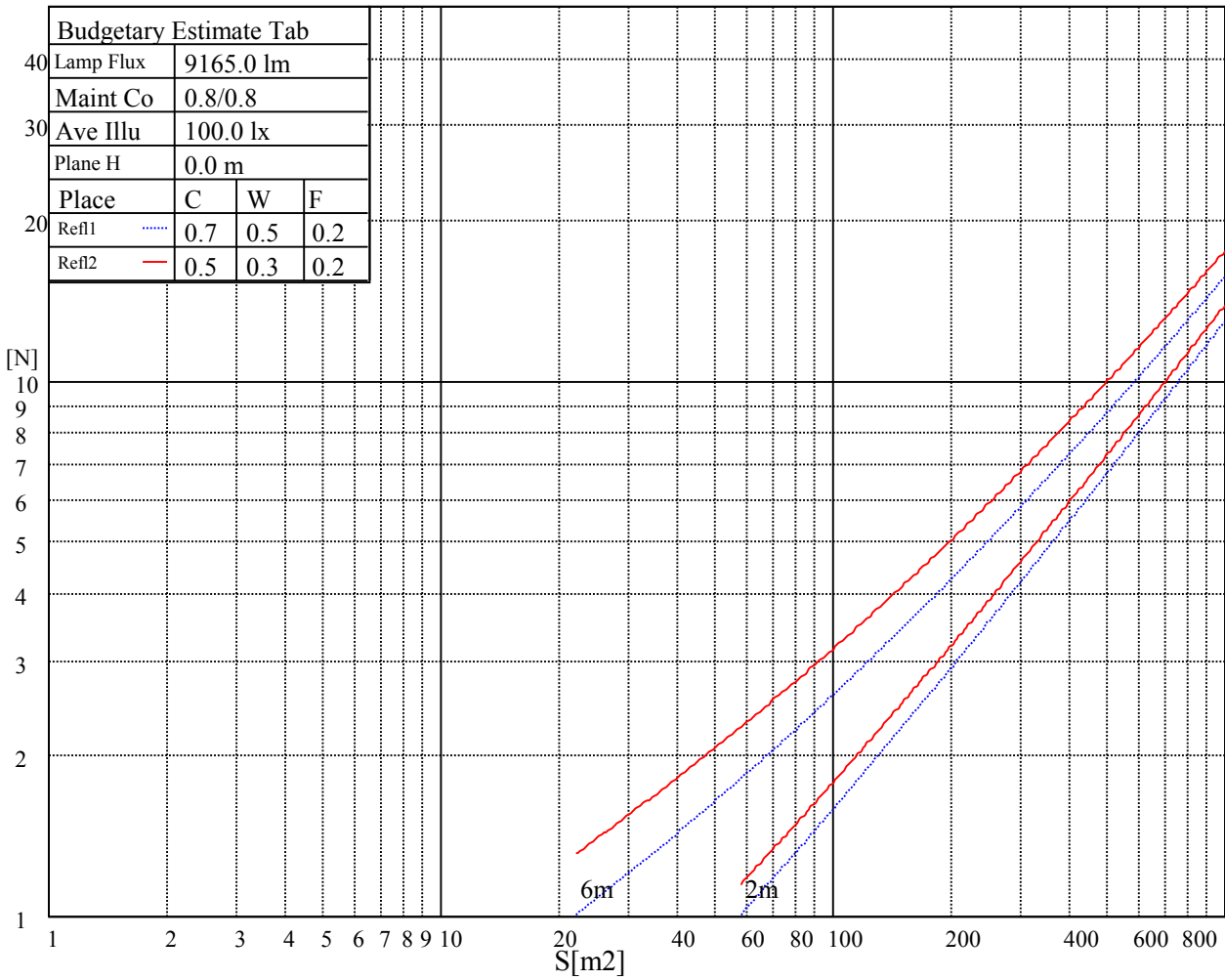
Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illuminatin assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	11.9	13.3	12.2	13.5	13.8	12.2	13.6	12.5	13.9	14.1
	3H	13.4	14.6	13.7	14.9	15.2	13.8	15.1	14.1	15.3	15.6
	4H	13.9	15.0	14.3	15.3	15.7	14.2	15.3	14.6	15.6	15.9
	6H	14.6	15.7	15.0	16.0	16.3	14.4	15.5	14.8	15.8	16.2
	8H	14.9	16.0	15.3	16.3	16.6	14.4	15.5	14.8	15.9	16.2
	12H	14.9	15.7	15.3	16.1	16.5	14.3	15.1	14.7	15.5	15.9
4H	2H	12.3	13.4	12.7	13.8	14.1	12.6	13.7	13.0	14.0	14.4
	3H	14.0	14.9	14.5	15.2	15.7	14.4	15.2	14.8	15.6	16.0
	4H	14.9	15.7	15.3	16.1	16.5	15.1	15.9	15.5	16.3	16.7
	6H	15.7	16.5	16.1	16.9	17.3	15.4	16.2	15.8	16.6	17.1
	8H	15.9	16.4	16.4	16.8	17.3	15.3	15.8	15.8	16.3	16.8
	12H	16.1	16.6	16.6	17.1	17.6	15.3	15.8	15.8	16.3	16.8
8H	4H	15.1	15.6	15.6	16.1	16.6	15.3	15.8	15.8	16.2	16.8
	6H	16.0	16.5	16.5	17.0	17.5	15.7	16.2	16.2	16.6	17.2
	8H	16.4	16.9	16.9	17.4	17.9	15.8	16.2	16.3	16.7	17.2
	12H	16.8	17.3	17.3	17.7	18.3	15.8	16.3	16.3	16.8	17.3
12H	4H	15.1	15.6	15.7	16.1	16.6	15.3	15.8	15.8	16.3	16.8
	6H	16.1	16.6	16.6	17.0	17.6	15.8	16.2	16.3	16.7	17.2
	8H	16.5	17.0	17.0	17.5	18.0	15.9	16.4	16.4	16.8	17.3
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.6					0.3/-0.5				
S = 1.5H		0.5/-0.6					0.7/-0.7				
S = 2.0H		0.7/-0.8					1.0/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		-2.4					-2.7				
According 1000lm											



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.03	0.98	0.94	1.01	0.96	0.93	0.96	0.93	0.90	0.92	0.89	0.87	0.88	0.86	0.84	0.82
2	0.89	0.82	0.76	0.87	0.81	0.75	0.84	0.78	0.73	0.80	0.76	0.72	0.77	0.73	0.70	0.68
3	0.78	0.70	0.63	0.76	0.69	0.62	0.73	0.67	0.61	0.71	0.65	0.60	0.68	0.63	0.59	0.57
4	0.69	0.60	0.53	0.68	0.59	0.53	0.65	0.58	0.52	0.63	0.56	0.51	0.60	0.55	0.50	0.48
5	0.62	0.52	0.46	0.60	0.52	0.45	0.58	0.51	0.45	0.56	0.50	0.44	0.54	0.48	0.44	0.42
6	0.55	0.46	0.40	0.54	0.46	0.40	0.53	0.45	0.39	0.51	0.44	0.39	0.49	0.43	0.38	0.36
7	0.50	0.41	0.35	0.49	0.41	0.35	0.48	0.40	0.35	0.46	0.39	0.34	0.45	0.39	0.34	0.32
8	0.46	0.37	0.31	0.45	0.37	0.31	0.44	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.29
9	0.42	0.34	0.28	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28	0.26
10	0.39	0.31	0.25	0.38	0.31	0.25	0.37	0.30	0.25	0.36	0.30	0.25	0.35	0.29	0.25	0.23

