
LumCAT: 3335-1 30W 4000K 595 UGR 160LM

Luminaire:

Report No: F:\Logo.bmp

Voltage(V): 230.0000

Test No:

Current(A): 0.1380

LampCAT: /

Power (W): 30.2000

Lamp flux(lm)

PF: 0.9530

Number of Lamps: 1

Ballast type:

Length(mm): 550

Width(mm): 550

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 4820.32

Lumens(lm)/Power(W): 159.61

Central intensity(cd): 2374.601

Maximum intensity(cd): 2379.487

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=83.7

[C90/270]Total=88.3

Field angle(10%Imax): [C0/180]Total=142.2

[C90/270]Total=136.8

Maximum s/h(1/2): C0_180=1.24 C90_270=1.25

Maximum s/h(1/4): C0_180=1.20 C90_270=1.24

Up flux rate of LUM(%): 0.02%

Down flux rate of LUM(%): 99.98%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 88.175%

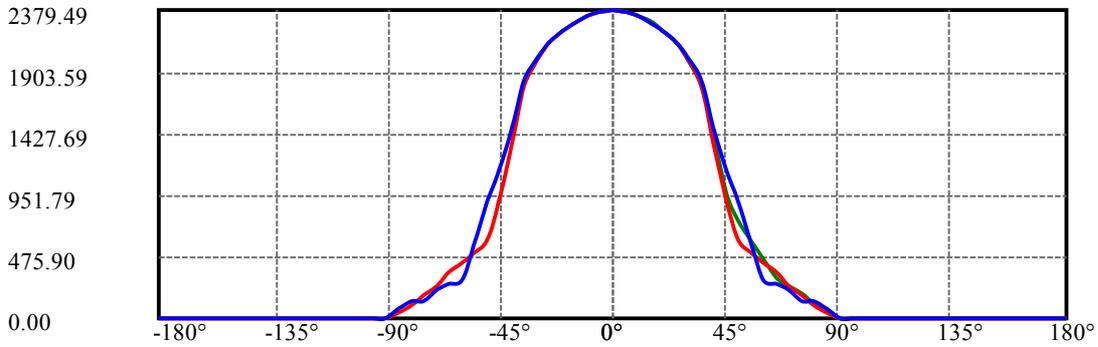
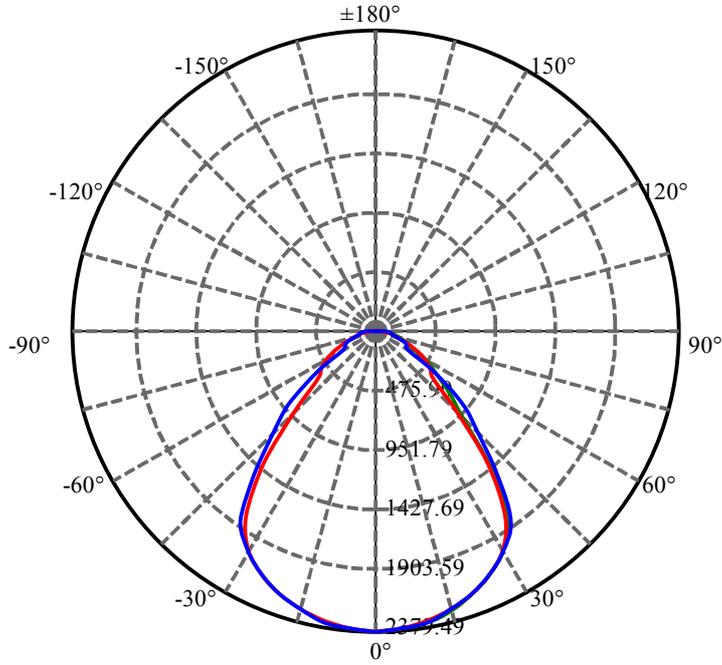
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2376.365	.000	.000	.000%	.000%
5.0	2364.286	56.673	56.673	1.176%	1.176%
10.0	2333.680	168.061	224.734	3.487%	4.662%
15.0	2282.920	273.854	498.588	5.681%	10.343%
20.0	2213.973	370.607	869.195	7.688%	18.032%
25.0	2126.975	455.285	1324.480	9.445%	27.477%
30.0	2000.821	522.376	1846.856	10.837%	38.314%
35.0	1802.395	560.050	2406.906	11.619%	49.933%
40.0	1417.146	537.156	2944.062	11.144%	61.076%
45.0	987.381	445.218	3389.280	9.236%	70.312%
50.0	747.220	350.502	3739.782	7.271%	77.584%
55.0	565.081	285.338	4025.120	5.919%	83.503%
60.0	409.203	225.203	4250.323	4.672%	88.175%
65.0	311.008	175.085	4425.407	3.632%	91.807%
70.0	248.101	141.570	4566.977	2.937%	94.744%
75.0	171.010	109.549	4676.526	2.273%	97.017%
80.0	118.350	77.425	4753.951	1.606%	98.623%
85.0	59.175	48.238	4802.189	1.001%	99.624%
90.0	3.393	17.132	4819.320	.355%	99.979%
95.0	.000	.929	4820.249	.019%	99.999%
100.0	.000	.000	4820.249	.000%	99.999%
105.0	.000	.000	4820.249	.000%	99.999%
110.0	.000	.000	4820.249	.000%	99.999%
115.0	.000	.000	4820.249	.000%	99.999%
120.0	.000	.000	4820.249	.000%	99.999%
125.0	.000	.000	4820.249	.000%	99.999%
130.0	.000	.000	4820.249	.000%	99.999%
135.0	.000	.000	4820.249	.000%	99.999%
140.0	.000	.000	4820.249	.000%	99.999%
145.0	.000	.000	4820.249	.000%	99.999%
150.0	.000	.000	4820.249	.000%	99.999%
155.0	.000	.000	4820.249	.000%	99.999%
160.0	.000	.000	4820.249	.000%	99.999%
165.0	.068	.006	4820.255	.000%	99.999%
170.0	.271	.020	4820.275	.000%	99.999%
175.0	.543	.029	4820.304	.001%	100.000%
180.0	.679	.015	4820.319	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1846.86	38.31%
0-40	2944.06	61.08%
0-60	4250.32	88.18%
0-90	4819.32	99.98%
0-120	4820.25	100.00%
0-180	4820.32	100.00%
60-90	794.20	16.48%
90-120	18.06	0.37%
90-130	18.06	0.37%
90-150	18.06	0.37%
90-180	18.12	0.38%
0-52.04	3856.26	80.00%

ZONAL LUMEN SUMMARY

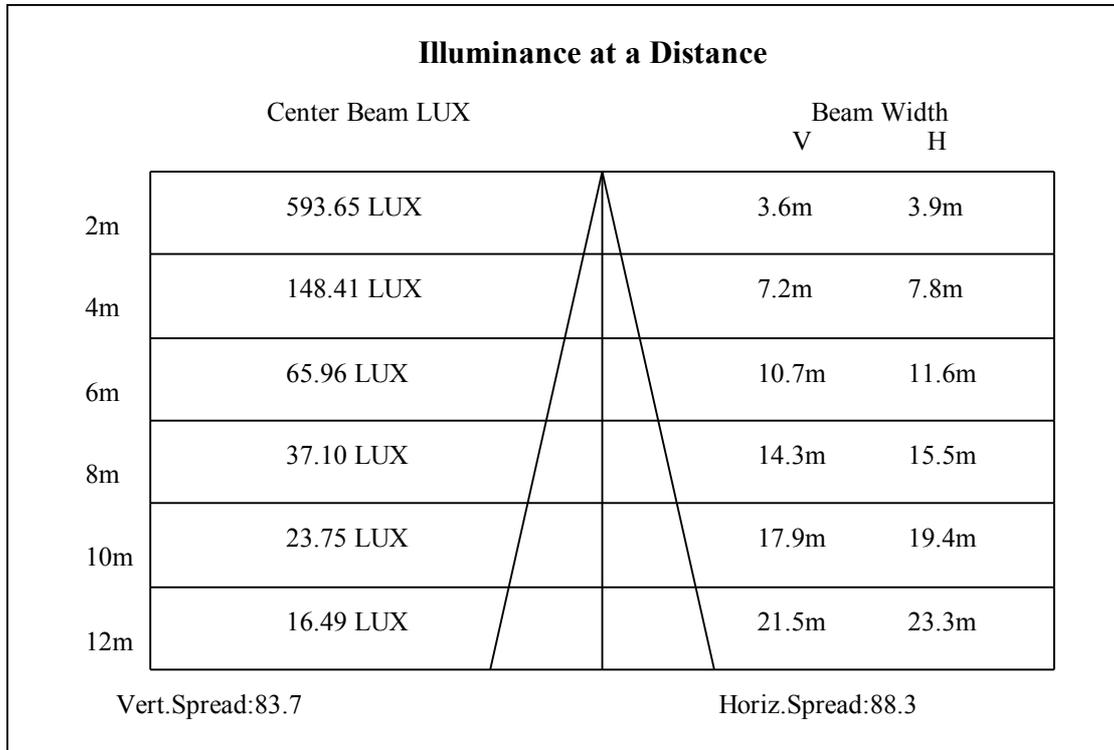
0-10	224.73
10-20	644.46
20-30	977.66
30-40	1097.21
40-50	795.72
50-60	510.54
60-70	316.65
70-80	186.97
80-90	65.37
90-100	0.93
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.03
170-180	0.03

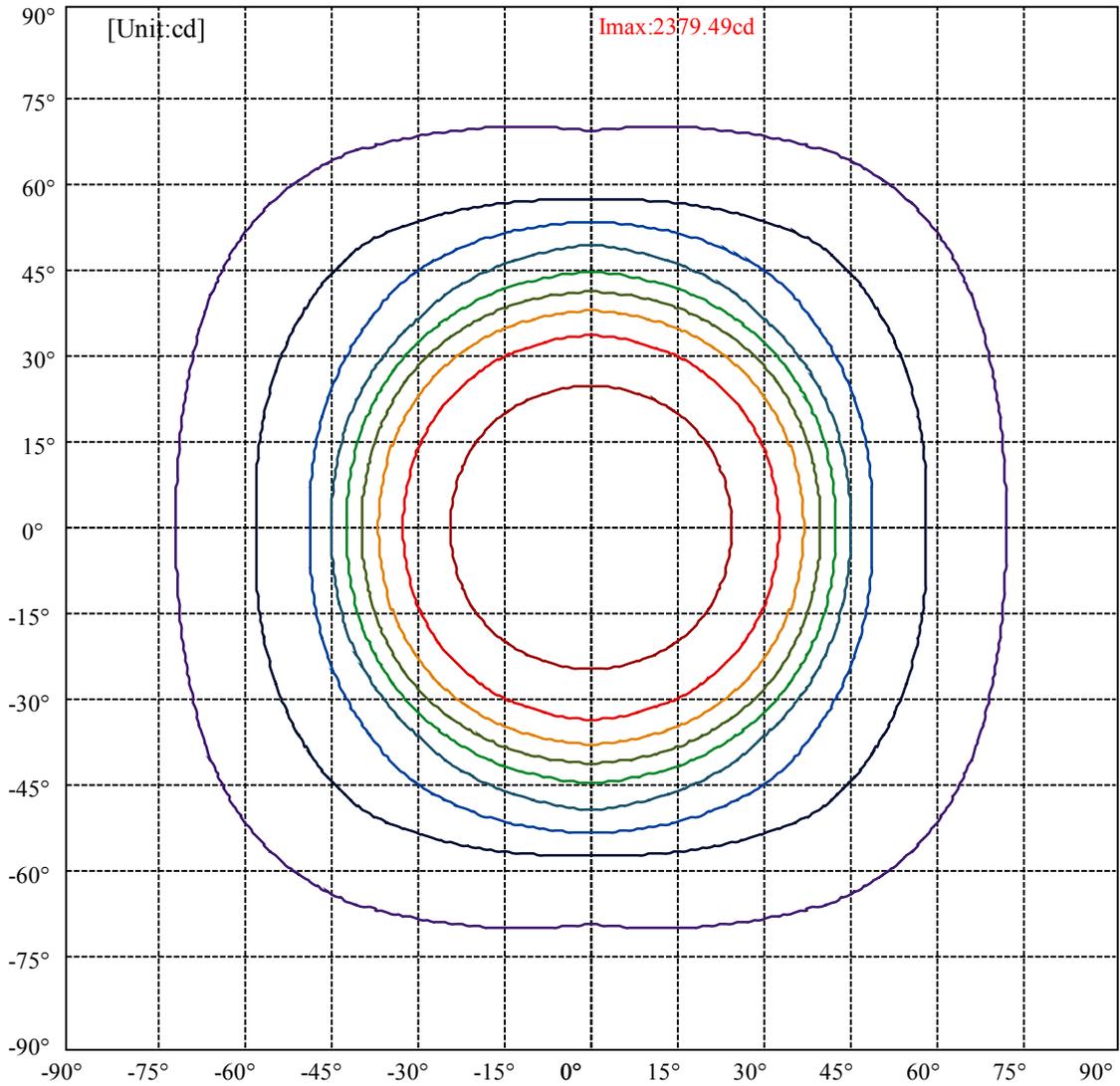


C45(Max): ———
C0/C180: ———
C90/C270: ———

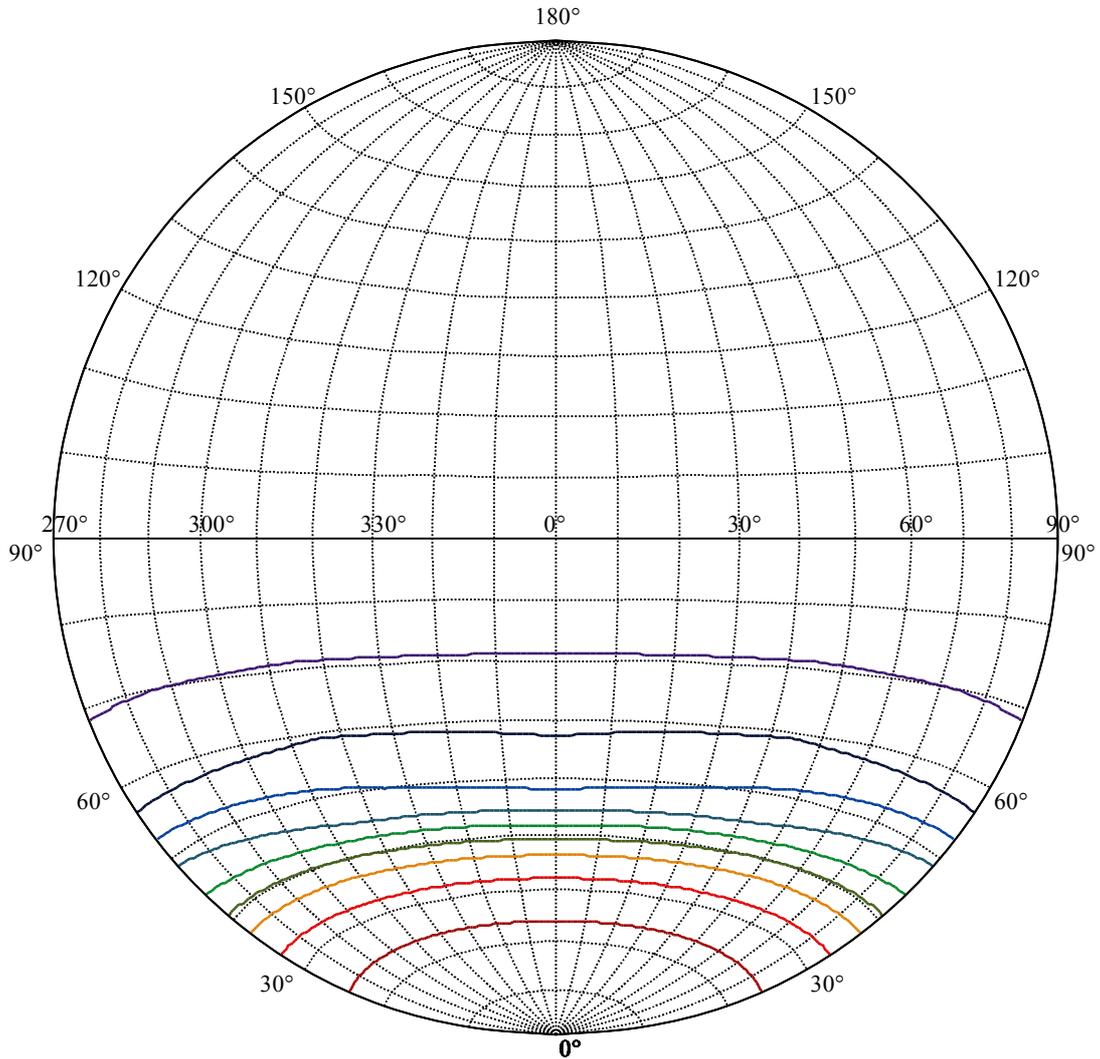
Field angle(10%Imax):C0/180Left:71.1 Right:71.1
:C90/270Left:68.4 Right:68.4

Beam Angle(50%Imax):C0/180Left:41.8 Right:41.8
:C90/270Left:44.2 Right:44.2





(10%Imax) 237.677	—
(20%Imax) 475.354	—
(30%Imax) 713.032	—
(40%Imax) 950.709	—
(50%Imax) 1188.39	—
(60%Imax) 1426.06	—
(70%Imax) 1663.74	—
(80%Imax) 1901.42	—
(90%Imax) 2139.09	—



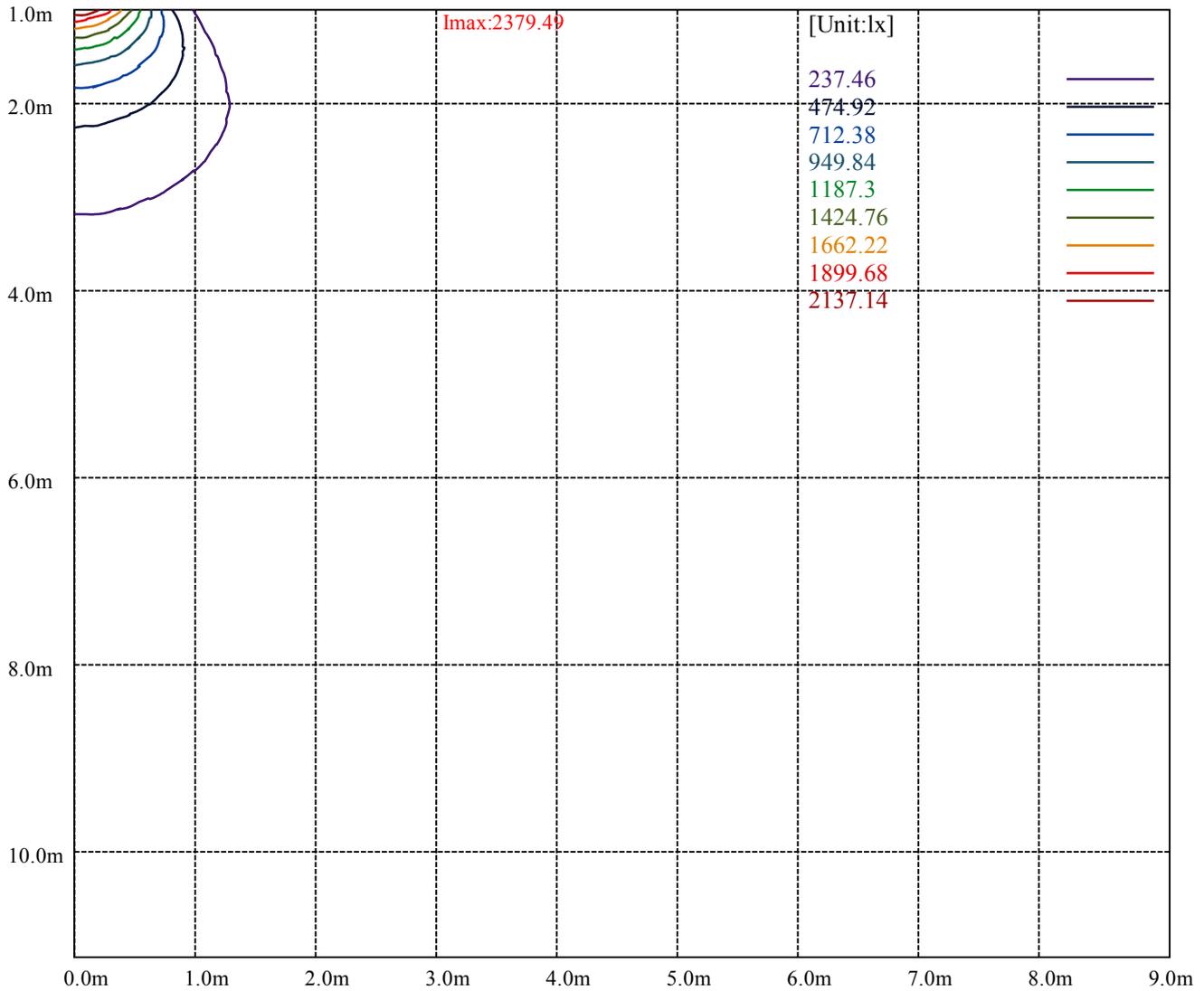
House

[Unit:cd]

Road

Imax:2379.49

(10%Imax)	237.949	
(20%Imax)	475.897	
(30%Imax)	713.846	
(40%Imax)	951.795	
(50%Imax)	1189.74	
(60%Imax)	1427.69	
(70%Imax)	1665.64	
(80%Imax)	1903.59	
(90%Imax)	2141.54	



Luminance Table

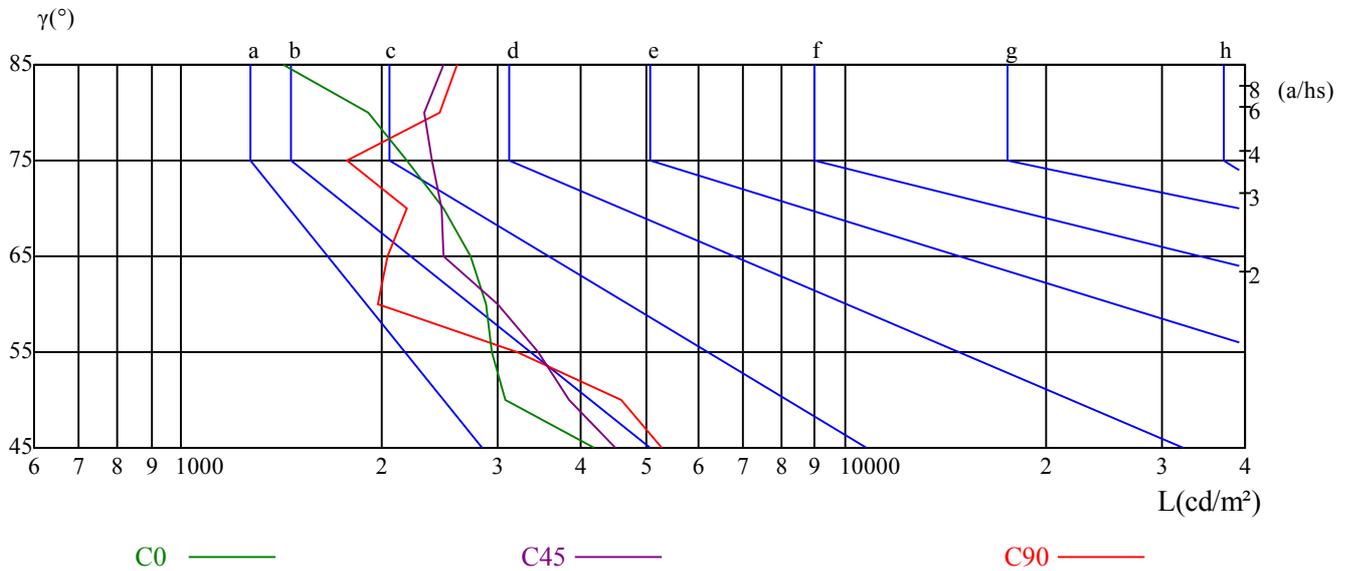
γ	45	50	55	60	65	70	75	80	85
C0	4190	3084	2938	2873	2724	2474	2181	1907	1421
C45	4494	3843	3445	2985	2481	2464	2392	2328	2476
C90	5287	4603	3199	1980	2045	2191	1772	2449	2605

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2724	2045	2481	2181	1772	2392	1421	2605	2476

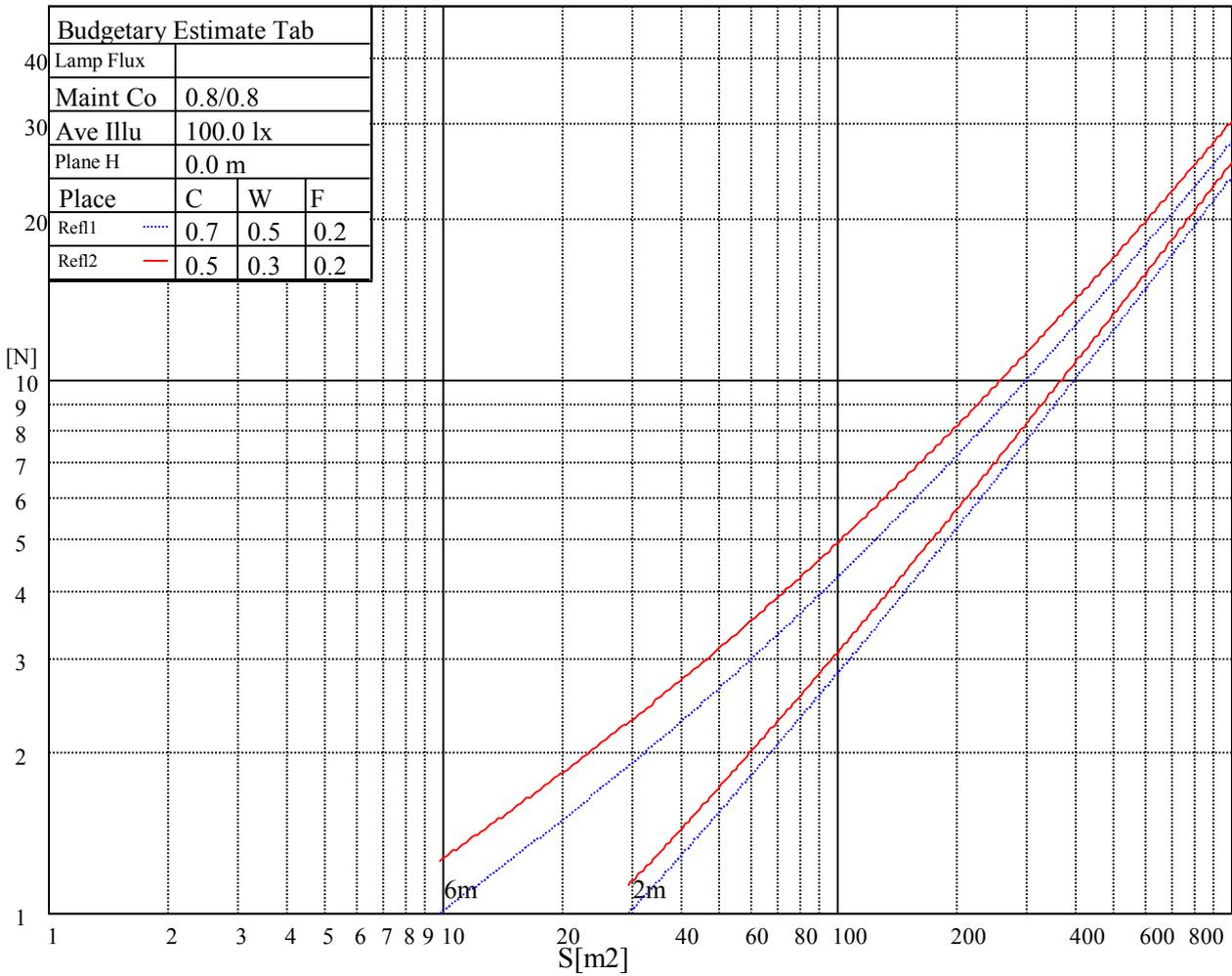
Glare Table

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

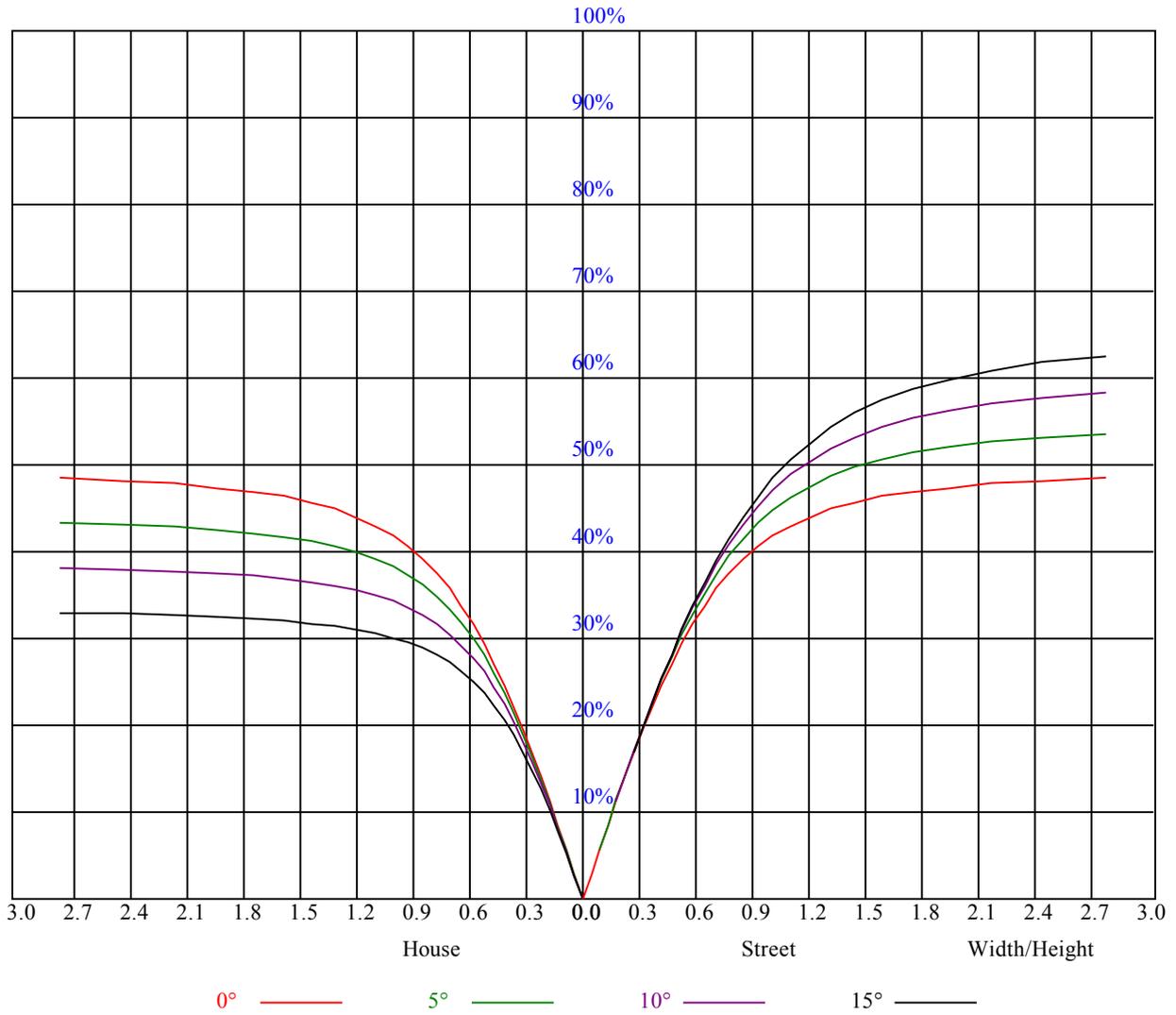
Luminance Limiting Curve



Illumination 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	8.73	10.15	9.10	10.46	10.77	9.18	10.59	9.54	10.91	11.22
	3H	10.11	11.37	10.49	11.70	12.06	10.72	11.99	11.10	12.32	12.68
	4H	10.60	11.78	11.00	12.13	12.52	11.29	12.47	11.69	12.82	13.20
	6H	11.18	12.28	11.60	12.64	13.04	11.69	12.78	12.10	13.15	13.54
	8H	11.47	12.50	11.90	12.89	13.30	11.81	12.84	12.24	13.24	13.64
	12H	11.86	12.85	12.29	13.23	13.66	11.94	12.94	12.37	13.32	13.75
4H	2H	9.24	10.42	9.64	10.77	11.15	9.61	10.79	10.01	11.14	11.52
	3H	10.91	11.89	11.32	12.29	12.69	11.42	12.39	11.83	12.80	13.20
	4H	11.55	12.43	11.98	12.85	13.29	12.12	13.00	12.56	13.42	13.86
	6H	12.15	12.91	12.61	13.36	13.82	12.57	13.33	13.03	13.78	14.24
	8H	12.52	13.23	12.98	13.68	14.15	12.74	13.46	13.21	13.90	14.37
	12H	12.94	13.57	13.42	14.05	14.53	12.90	13.54	13.39	14.02	14.49
8H	4H	11.90	12.62	12.37	13.06	13.53	12.40	13.12	12.87	13.56	14.03
	6H	12.70	13.29	13.20	13.78	14.26	13.01	13.60	13.51	14.09	14.57
	8H	13.17	13.70	13.69	14.22	14.71	13.27	13.80	13.79	14.31	14.80
	12H	13.99	14.45	14.50	14.95	15.52	13.94	14.41	14.45	14.90	15.47
12H	4H	11.94	12.57	12.42	13.05	13.53	12.43	13.07	12.92	13.55	14.02
	6H	13.54	13.32	13.32	13.79	14.33	13.85	13.63	13.62	14.09	14.63
	8H	13.33	13.80	13.84	14.29	14.86	13.42	13.89	13.93	14.38	14.95
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.8					0.5/-0.8				
S = 1.5H		0.8/-1.7					1.1/-1.1				
S = 2.0H		1.9/-1.5					1.7/-1.1				
Standard tables:		BK4					BK3				
Uncorrected UGR		1.4					0.7				



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	1.06	1.03	0.99	1.04	1.01	0.98	1.00	0.97	0.95	0.96	0.94	0.92	0.93	0.91	0.89	0.87
2	0.95	0.89	0.84	0.93	0.88	0.83	0.90	0.85	0.81	0.86	0.83	0.79	0.84	0.80	0.78	0.76
3	0.85	0.78	0.72	0.84	0.77	0.72	0.81	0.75	0.71	0.78	0.73	0.69	0.76	0.72	0.68	0.66
4	0.77	0.69	0.63	0.76	0.68	0.63	0.73	0.67	0.62	0.71	0.66	0.61	0.69	0.64	0.60	0.58
5	0.70	0.62	0.56	0.69	0.61	0.56	0.67	0.60	0.55	0.65	0.59	0.54	0.63	0.58	0.54	0.52
6	0.64	0.56	0.50	0.63	0.55	0.50	0.61	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.48	0.47
7	0.58	0.50	0.45	0.58	0.50	0.45	0.56	0.49	0.44	0.55	0.49	0.44	0.53	0.48	0.44	0.42
8	0.54	0.46	0.41	0.53	0.46	0.40	0.52	0.45	0.40	0.51	0.44	0.40	0.49	0.44	0.40	0.38
9	0.50	0.42	0.37	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.36	0.46	0.40	0.36	0.35
10	0.46	0.39	0.34	0.46	0.38	0.34	0.45	0.38	0.34	0.44	0.38	0.33	0.43	0.37	0.33	0.32



Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	2374.60	2362.93	2330.90	2280.68	2213.63	2122.16	1993.49	1781.49	1357.77
45.0	2379.49	2364.83	2335.38	2284.21	2213.63	2128.26	1998.92	1794.93	1416.81
90.0	2376.77	2364.56	2333.07	2282.58	2214.99	2129.21	2011.95	1838.23	1477.20
135.0	2374.60	2364.83	2335.38	2284.21	2213.63	2128.26	1998.92	1794.93	1416.81
180.0	2374.60	2362.93	2330.90	2280.68	2213.63	2122.16	1993.49	1781.49	1357.77
225.0	2379.49	2364.83	2335.38	2284.21	2213.63	2128.26	1998.92	1794.93	1416.81
270.0	2376.77	2364.56	2333.07	2282.58	2214.99	2129.21	2011.95	1838.23	1477.20
315.0	2374.60	2364.83	2335.38	2284.21	2213.63	2128.26	1998.92	1794.93	1416.81
360.0	2374.60	2362.93	2330.90	2280.68	2213.63	2122.16	1993.49	1781.49	1357.77
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	896.31	599.62	509.77	434.58	348.26	255.97	170.74	100.16	37.46
45.0	961.19	747.15	597.72	451.41	317.18	254.89	187.30	122.29	65.28
90.0	1130.84	894.95	555.11	299.40	261.40	226.66	138.71	128.66	68.68
135.0	961.19	747.15	597.72	451.41	317.18	254.89	187.30	122.29	65.28
180.0	896.31	599.62	509.77	434.58	348.26	255.97	170.74	100.16	37.46
225.0	961.19	747.15	597.72	451.41	317.18	254.89	187.30	122.29	65.28
270.0	1130.84	894.95	555.11	299.40	261.40	226.66	138.71	128.66	68.68
315.0	961.19	747.15	597.72	451.41	317.18	254.89	187.30	122.29	65.28
360.0	896.31	599.62	509.77	434.58	348.26	255.97	170.74	100.16	37.46
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.54
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.54
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.54
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.54
C/γ(°)	180.0								
0.0	1.09								
45.0	0.54								
90.0	0.54								
135.0	0.54								
180.0	1.09								
225.0	0.54								
270.0	0.54								
315.0	0.54								
360.0	1.09								