LumCAT: ASD-LWL1-60N50
Luminaire:
Report No:
Test No: 01
LampCAT:
Lamp flux(lm): -1.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 119.9900
Current(A): 0.5045
Power (W): 59.9900
PF: 0.9910
Ballast type:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 6690.65
Efficiency(%): 0.00%
Lumens(lm)/Power(W): 111.53
Central intensity(cd): 616.911
Maximum intensity(cd): 872.334
Angle of maximum intensity: C=22.5 γ=39.0
Beam Angle(50%Imax): [C0/180]Total=222.2
[C90/270]Total=240.3
Field angle(10%Imax): [C0/180]Total=313.8
[C90/270]Total=316.5
Maximum s/h(1/2): C0_180=1.80 C90_270=1.85
Maximum s/h(1/4): C0_180=1.84 C90_270=1.85
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 0.00%
Up flux rate of LUM(%): 36.07%
Down flux rate of LUM(%): 63.93%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 34.957%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	616.911	.000	.000	.000%	.000%
1.0	623.790	.594	.594	.000%	.000%
2.0	637.090	1.810	2.403	.000%	.000%
3.0	651.701	3.082	5.486	.000%	.000%
4.0	659.919	4.390	9.876	.000%	.000%
5.0	658.981	5.674	15.550	.000%	.000%
6.0	653.755	6.899	22.449	.000%	.000%
7.0	647.681	8.078	30.527	.000%	.000%
8.0	643.889	9.244	39.770	.000%	.000%
9.0	641.367	10.416	50.187	.000%	.000%
10.0	638.812	11.585	61.772	.000%	.000%
11.0	635.805	12.736	74.508	.000%	.000%
12.0	634.253	13.884	88.391	.000%	.000%
13.0	634.674	15.059	103.450	.000%	.000%
14.0	637.410	16.283	119.733	.000%	.000%
15.0	640.279	17.541	137.274	.000%	.000%
16.0	640.359	18.765	156.039	.000%	.000%
17.0	640.764	19.951	175.989	.000%	.000%
18.0	645.638	21.210	197.199	.000%	.000%
19.0	653.312	22.599	219.798	.000%	.000%
20.0	659.732	24.032	243.830	.000%	.000%
21.0	667.177	25.479	269.310	.000%	.000%
22.0	673.752	26.947	296.256	.000%	.000%
23.0	678.839	28.381	324.637	.000%	.000%
24.0	686.060	29.842	354.479	.000%	.000%
25.0	695.546	31.415	385.894	.000%	.000%
26.0	704.964	33.059	418.953	.000%	.000%
27.0	713.459	34.702	453.655	.000%	.000%
28.0	722.716	36.361	490.016	.000%	.000%
29.0	732.550	38.074	528.090	.000%	.000%
30.0	739.290	39.739	567.829	.000%	.000%
31.0	748.030	41.390	609.219	.000%	.000%
32.0	756.957	43.116	652.335	.000%	.000%
33.0	766.422	44.879	697.214	.000%	.000%
34.0	776.523	46.694	743.908	.000%	.000%
35.0	787.257	48.565	792.474	.000%	.000%
36.0	797.133	50.447	842.921	.000%	.000%
37.0	806.844	52.313	895.234	.000%	.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	815.040	54.136	949.370	.000%	.000%
39.0	821.023	55.843	1005.213	.000%	.000%
40.0	822.820	57.331	1062.545	.000%	.000%
41.0	819.130	58.469	1121.014	.000%	.000%
42.0	812.299	59.273	1180.286	.000%	.000%
43.0	805.025	59.910	1240.197	.000%	.000%
44.0	797.917	60.500	1300.696	.000%	.000%
45.0	790.542	61.046	1361.743	.000%	.000%
46.0	784.953	61.614	1423.357	.000%	.000%
47.0	782.623	62.347	1485.703	.000%	.000%
48.0	779.413	63.146	1548.849	.000%	.000%
49.0	773.920	63.788	1612.638	.000%	.000%
50.0	767.078	64.249	1676.887	.000%	.000%
51.0	760.482	64.629	1741.516	.000%	.000%
52.0	753.374	64.961	1806.477	.000%	.000%
53.0	747.465	65.286	1871.763	.000%	.000%
54.0	742.111	65.654	1937.417	.000%	.000%
55.0	734.533	65.915	2003.332	.000%	.000%
56.0	730.177	66.186	2069.518	.000%	.000%
57.0	728.075	66.675	2136.193	.000%	.000%
58.0	723.772	67.139	2203.331	.000%	.000%
59.0	721.292	67.558	2270.889	.000%	.000%
60.0	717.506	67.974	2338.863	.000%	.000%
61.0	712.510	68.243	2407.106	.000%	.000%
62.0	706.164	68.360	2475.466	.000%	.000%
63.0	697.397	68.262	2543.729	.000%	.000%
64.0	689.643	68.062	2611.790	.000%	.000%
65.0	683.724	67.967	2679.757	.000%	.000%
66.0	677.847	67.934	2747.690	.000%	.000%
67.0	671.491	67.849	2815.539	.000%	.000%
68.0	661.407	67.520	2883.059	.000%	.000%
69.0	650.656	66.935	2949.994	.000%	.000%
70.0	640.610	66.317	3016.312	.000%	.000%
71.0	631.011	65.724	3082.036	.000%	.000%
72.0	623.417	65.226	3147.262	.000%	.000%
73.0	618.132	64.924	3212.187	.000%	.000%
74.0	614.970	64.827	3277.014	.000%	.000%
75.0	611.760	64.816	3341.830	.000%	.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	607.894	64.744	3406.574	.000%	.000%
77.0	602.081	64.510	3471.084	.000%	.000%
78.0	595.762	64.121	3535.206	.000%	.000%
79.0	589.198	63.668	3598.873	.000%	.000%
80.0	582.415	63.164	3662.038	.000%	.000%
81.0	575.221	62.603	3724.641	.000%	.000%
82.0	569.574	62.080	3786.721	.000%	.000%
83.0	567.398	61.807	3848.528	.000%	.000%
84.0	566.886	61.793	3910.322	.000%	.000%
85.0	565.659	61.812	3972.134	.000%	.000%
86.0	563.292	61.710	4033.844	.000%	.000%
87.0	559.628	61.455	4095.299	.000%	.000%
88.0	556.013	61.113	4156.412	.000%	.000%
89.0	552.397	60.754	4217.166	.000%	.000%
90.0	549.240	60.401	4277.566	.000%	.000%
91.0	546.654	60.086	4337.652	.000%	.000%
92.0	543.524	59.754	4397.407	.000%	.000%
93.0	540.457	59.379	4456.785	.000%	.000%
94.0	537.722	59.007	4515.792	.000%	.000%
95.0	535.786	58.679	4574.471	.000%	.000%
96.0	533.733	58.372	4632.843	.000%	.000%
97.0	532.229	58.071	4690.915	.000%	.000%
98.0	531.536	57.828	4748.742	.000%	.000%
99.0	531.403	57.641	4806.383	.000%	.000%
100.0	531.365	57.473	4863.856	.000%	.000%
101.0	530.528	57.249	4921.105	.000%	.000%
102.0	528.736	56.914	4978.019	.000%	.000%
103.0	525.947	56.458	5034.477	.000%	.000%
104.0	522.582	55.903	5090.380	.000%	.000%
105.0	518.615	55.271	5145.651	.000%	.000%
106.0	514.253	54.573	5200.224	.000%	.000%
107.0	509.891	53.842	5254.065	.000%	.000%
108.0	504.990	53.071	5307.136	.000%	.000%
109.0	499.956	52.254	5359.391	.000%	.000%
110.0	494.773	51.413	5410.804	.000%	.000%
111.0	489.616	50.556	5461.360	.000%	.000%
112.0	484.550	49.697	5511.057	.000%	.000%
113.0	479.233	48.822	5559.879	.000%	.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	473.954	47.929	5607.808	.000%	.000%
115.0	468.579	47.026	5654.834	.000%	.000%
116.0	463.513	46.128	5700.963	.000%	.000%
117.0	458.479	45.242	5746.205	.000%	.000%
118.0	453.466	44.353	5790.557	.000%	.000%
119.0	448.208	43.448	5834.005	.000%	.000%
120.0	441.948	42.480	5876.485	.000%	.000%
121.0	435.506	41.454	5917.939	.000%	.000%
122.0	428.285	40.383	5958.322	.000%	.000%
123.0	420.441	39.248	5997.570	.000%	.000%
124.0	412.101	38.066	6035.636	.000%	.000%
125.0	403.238	36.843	6072.479	.000%	.000%
126.0	394.594	35.614	6108.093	.000%	.000%
127.0	385.411	34.379	6142.472	.000%	.000%
128.0	376.388	33.138	6175.610	.000%	.000%
129.0	368.133	31.948	6207.558	.000%	.000%
130.0	360.081	30.810	6238.368	.000%	.000%
131.0	353.090	29.735	6268.102	.000%	.000%
132.0	344.659	28.653	6296.755	.000%	.000%
133.0	335.652	27.502	6324.257	.000%	.000%
134.0	326.693	26.343	6350.601	.000%	.000%
135.0	317.766	25.203	6375.804	.000%	.000%
136.0	309.922	24.123	6399.927	.000%	.000%
137.0	301.139	23.063	6422.990	.000%	.000%
138.0	291.647	21.959	6444.948	.000%	.000%
139.0	282.118	20.846	6465.794	.000%	.000%
140.0	272.503	19.750	6485.544	.000%	.000%
141.0	262.264	18.651	6504.195	.000%	.000%
142.0	250.938	17.517	6521.712	.000%	.000%
143.0	240.582	16.406	6538.118	.000%	.000%
144.0	229.751	15.340	6553.458	.000%	.000%
145.0	220.014	14.321	6567.779	.000%	.000%
146.0	209.455	13.338	6581.117	.000%	.000%
147.0	198.347	12.341	6593.458	.000%	.000%
148.0	188.007	11.382	6604.840	.000%	.000%
149.0	177.705	10.477	6615.317	.000%	.000%
150.0	168.245	9.627	6624.945	.000%	.000%
151.0	157.579	8.797	6633.742	.000%	.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	146.925	7.967	6641.709	.000%	.000%
153.0	136.377	7.173	6648.881	.000%	.000%
154.0	124.613	6.385	6655.267	.000%	.000%
155.0	114.172	5.637	6660.903	.000%	.000%
156.0	103.512	4.950	6665.853	.000%	.000%
157.0	93.438	4.306	6670.159	.000%	.000%
158.0	83.637	3.716	6673.875	.000%	.000%
159.0	73.884	3.165	6677.040	.000%	.000%
160.0	65.165	2.670	6679.710	.000%	.000%
161.0	56.974	2.235	6681.945	.000%	.000%
162.0	49.226	1.848	6683.793	.000%	.000%
163.0	41.920	1.503	6685.296	.000%	.000%
164.0	35.515	1.206	6686.502	.000%	.000%
165.0	29.761	.956	6687.458	.000%	.000%
166.0	24.866	.750	6688.208	.000%	.000%
167.0	20.531	.581	6688.790	.000%	.000%
168.0	17.272	.449	6689.238	.000%	.000%
169.0	14.958	.352	6689.591	.000%	.000%
170.0	13.460	.284	6689.875	.000%	.000%
171.0	11.774	.228	6690.104	.000%	.000%
172.0	10.169	.178	6690.281	.000%	.000%
173.0	8.495	.134	6690.415	.000%	.000%
174.0	6.762	.095	6690.510	.000%	.000%
175.0	4.863	.061	6690.571	.000%	.000%
176.0	3.424	.036	6690.606	.000%	.000%
177.0	2.506	.020	6690.626	.000%	.000%
178.0	1.824	.010	6690.637	.000%	.000%
179.0	1.648	.005	6690.642	.000%	.000%
180.0	1.642	.002	6690.643	.000%	.000%

Zonal flux distribution table

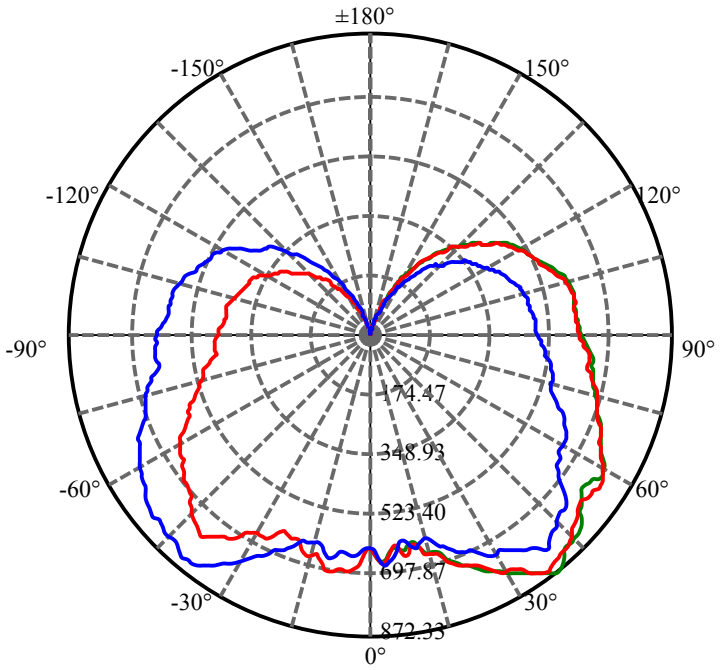
ZONAL LUMEN SUMMARY

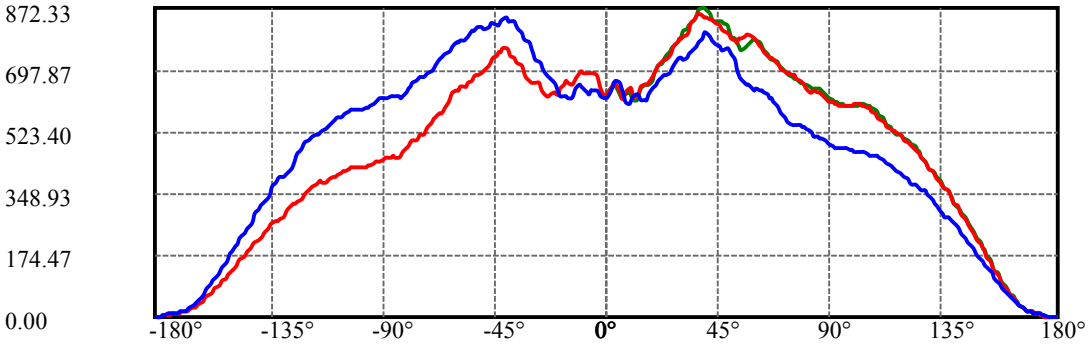
Zone	Lumens	%Lamp	%Fixt
0-30	567.83	N.A.	8.49%
0-40	1062.55	N.A.	15.88%
0-60	2338.86	N.A.	34.96%
0-90	4277.57	N.A.	63.93%
0-120	5876.49	N.A.	87.83%
0-180	6690.64	N.A.	100.00%
60-90	2006.68	N.A.	29.99%
90-120	1659.32	N.A.	24.80%
90-130	2021.20	N.A.	30.21%
90-150	2407.78	N.A.	35.99%
90-180	2473.48	N.A.	36.97%
0-108.87	5352.52	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	61.77
10-20	182.06
20-30	324.00
30-40	494.72
40-50	614.34
50-60	661.98
60-70	677.45
70-80	645.73
80-90	615.53
90-100	586.29
100-110	546.95
110-120	465.68
120-130	361.88
130-140	247.18
140-150	139.40
150-160	54.76
160-170	10.16
170-180	0.77

Light Distribution Curve [Unit:cd]





C22.5(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:192.2 Right:121.7
:C90/270Left:118.6 Right:197.9

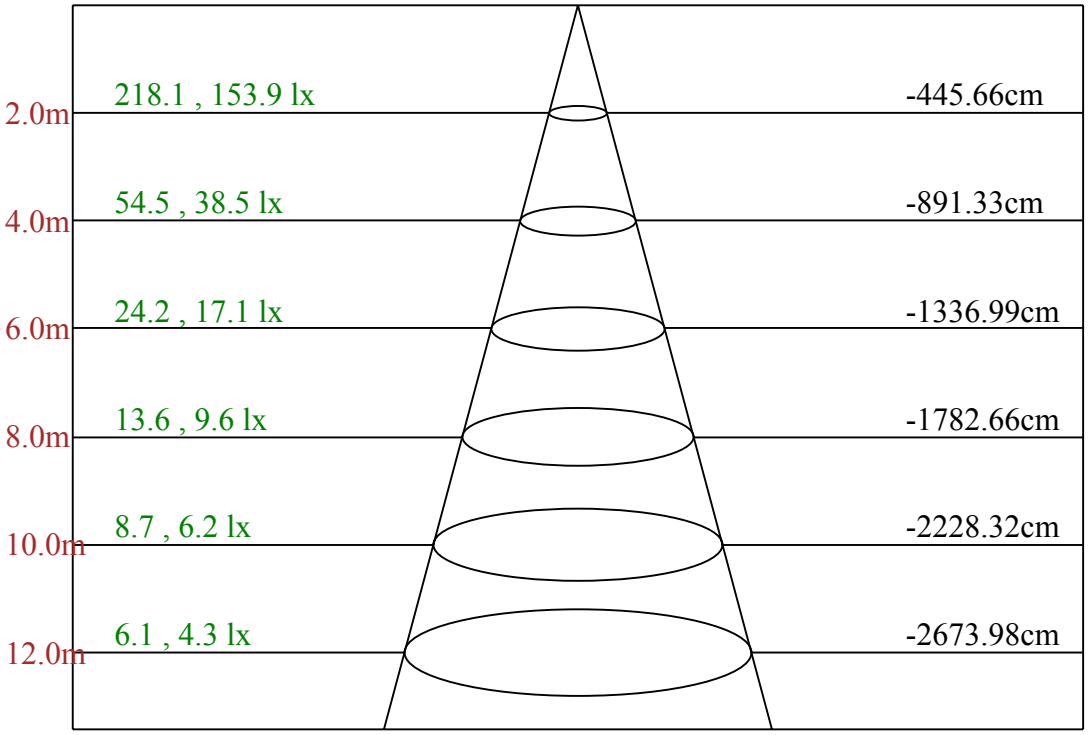
Beam Angle(50%Imax):C0/180Left:131.1 Right:91.1
:C90/270Left:85.7 Right:154.6

Equipment: Goniophotometer
Temperature(°C): 0.0

Date: 2017骞?鏈?2鏃?
Humidity(%): 0.0%

Operator: Leo
Distance(m): 9.24

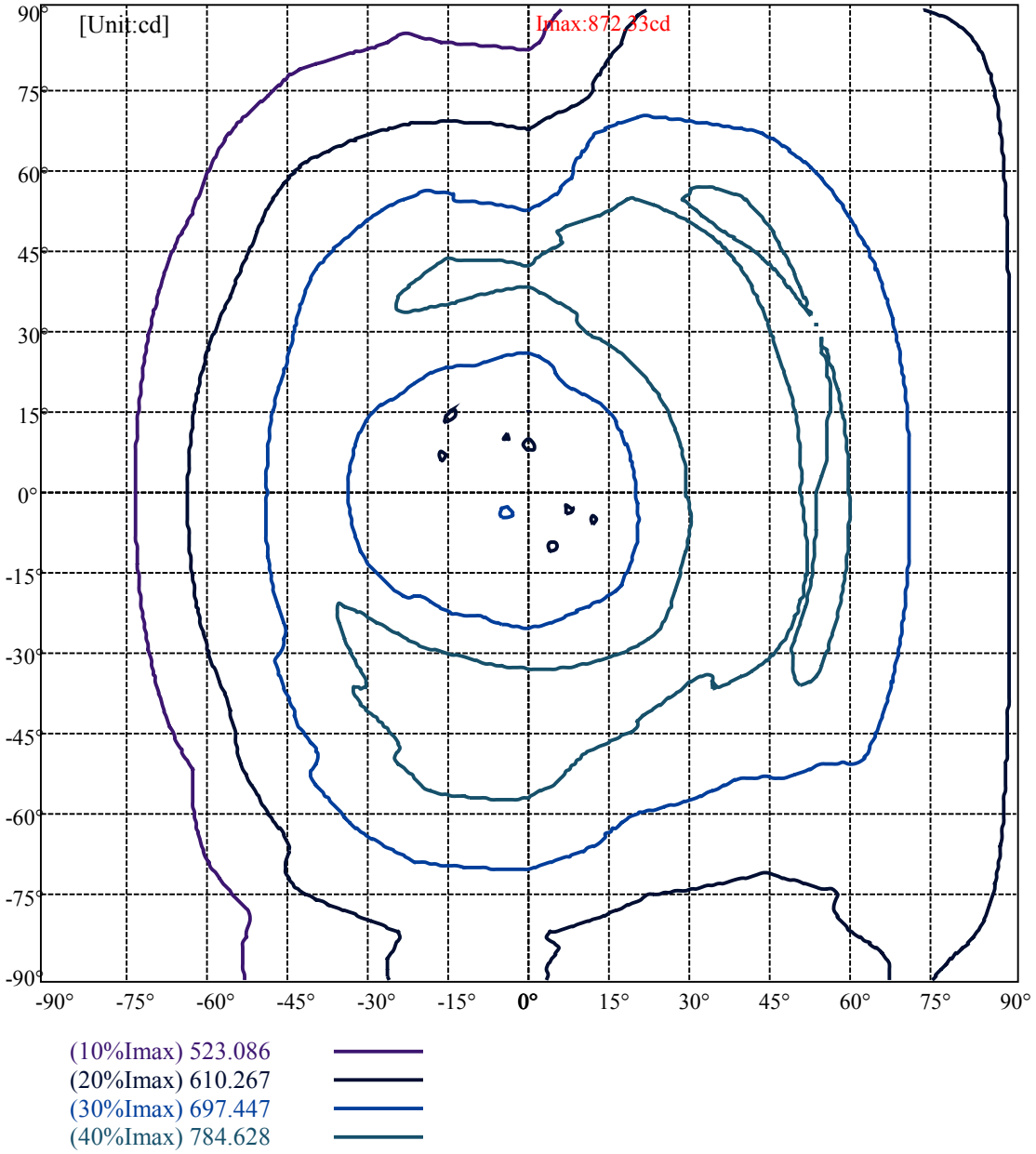
Lux distance Curve



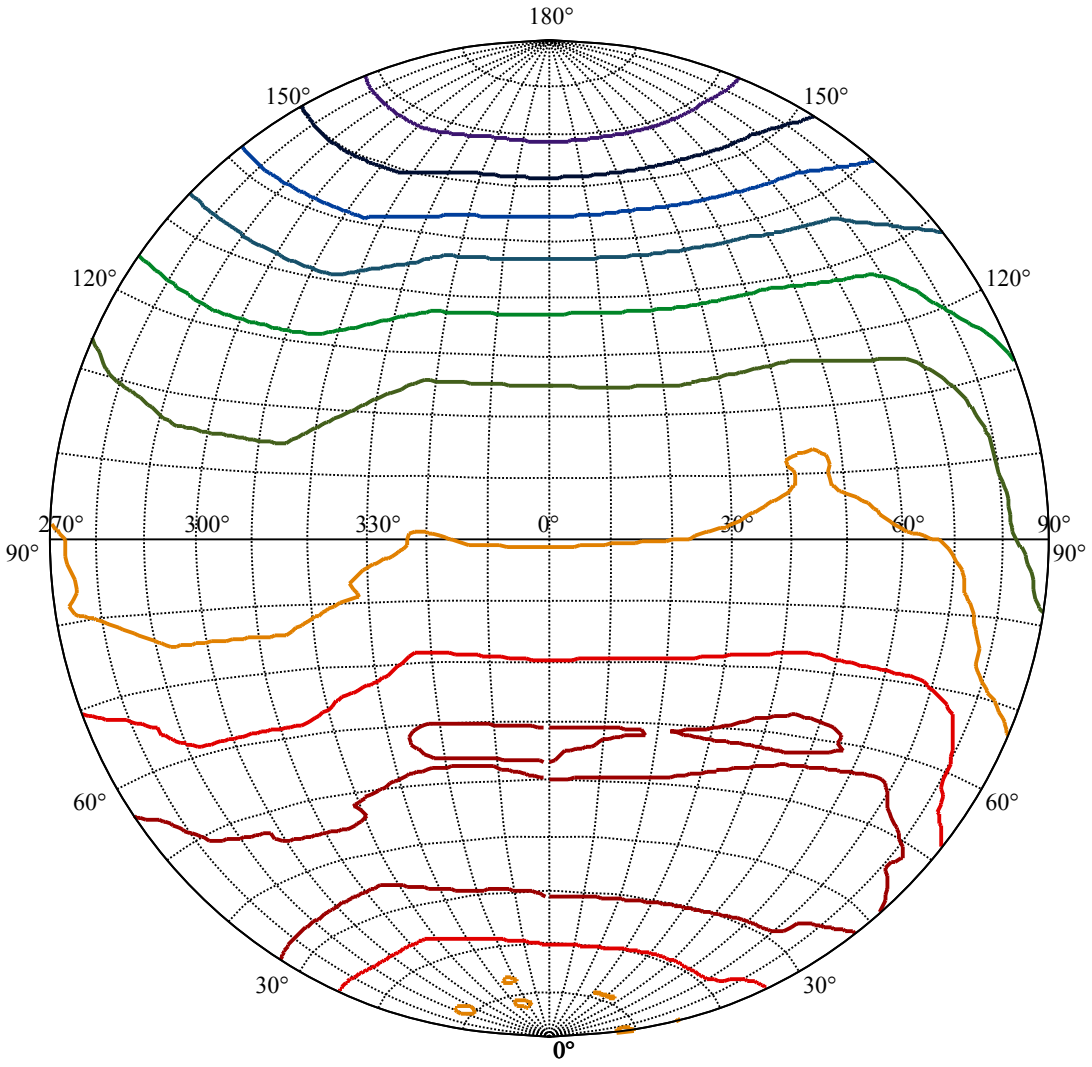
Max , Ave

Beam angle of C22.5plane265.66

ISO-Intensity(V-H)



ISO candela diagram on circular web



House [Unit:cd] Road

Imax:872.33

(10%Imax) 87.2161
(20%Imax) 174.432
(30%Imax) 261.648
(40%Imax) 348.865
(50%Imax) 436.081
(60%Imax) 523.297
(70%Imax) 610.513
(80%Imax) 697.729
(90%Imax) 784.945

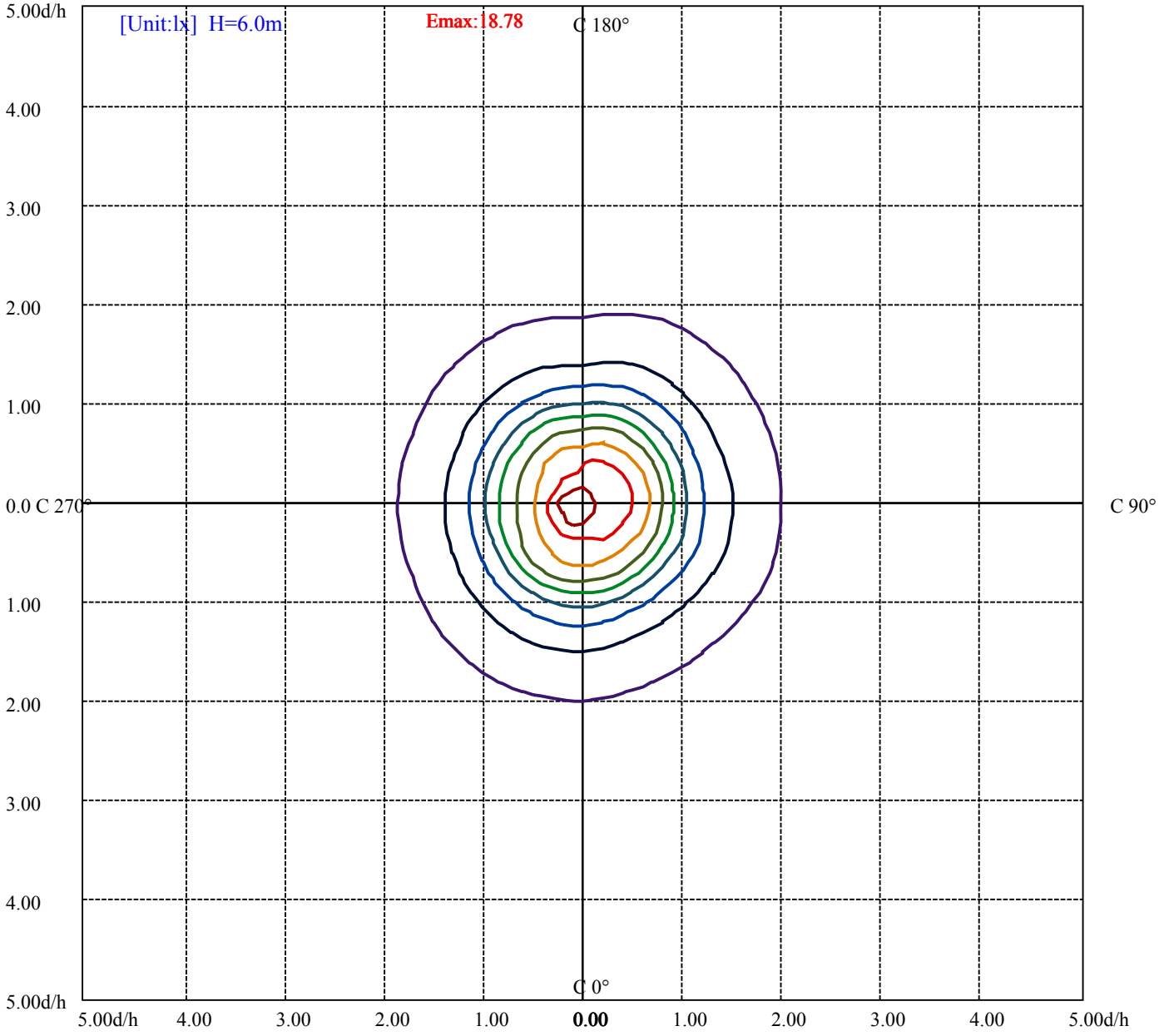
Equipment: Goniophotometer
Temperature(°C): 0.0

Date: 2017骞?鏈?2鏃?
Humidity(%): 0.0%

Operator: Leo
Distance(m): 9.24

ASD-LWL1-60N50

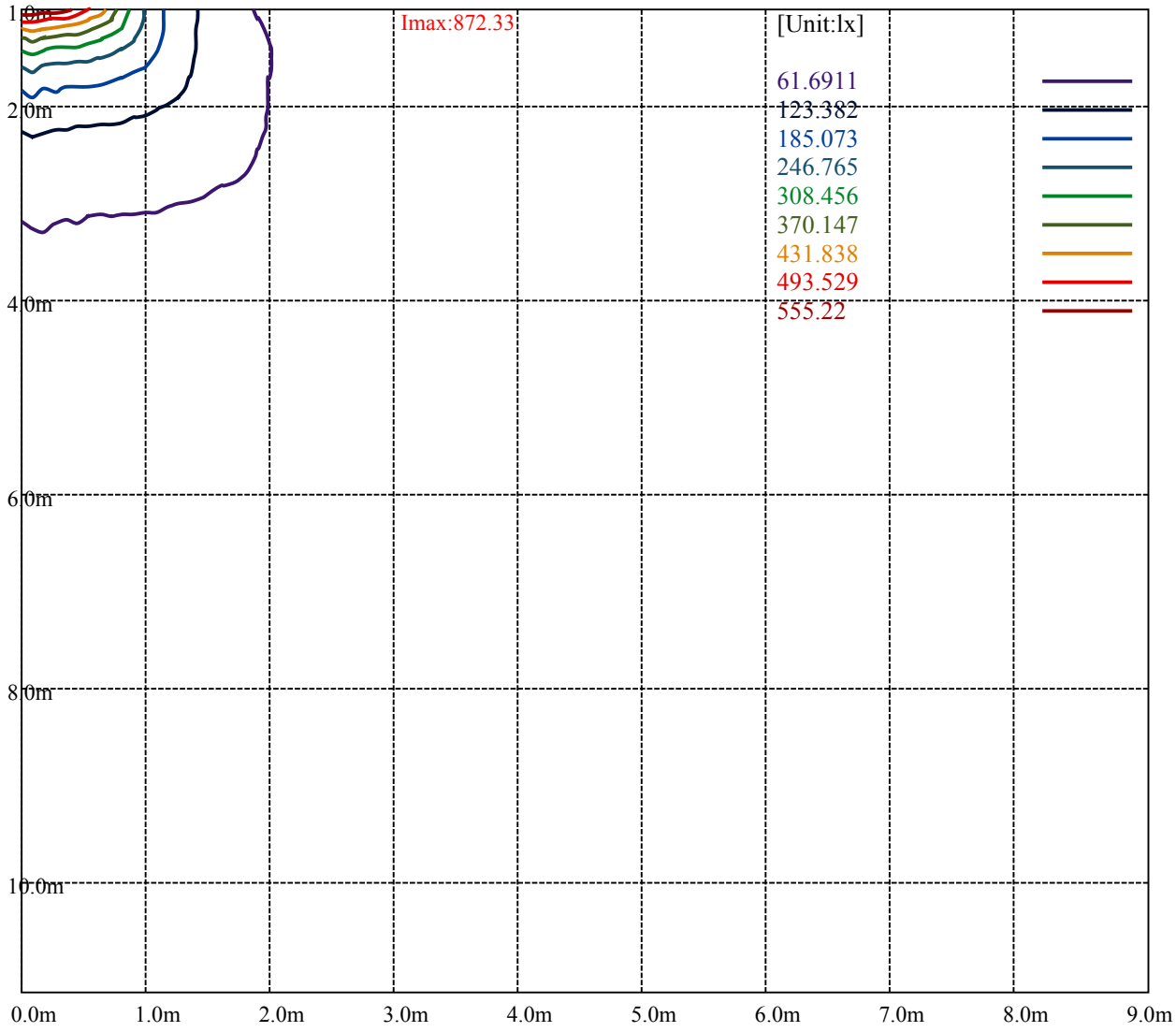
ISO illuminance diagram



(10%Emax) 1.878033
(20%Emax) 3.756056
(30%Emax) 5.634111
(40%Emax) 7.512139
(50%Emax) 9.390166
(60%Emax) 11.26819
(70%Emax) 13.14622
(80%Emax) 15.02428
(90%Emax) 16.90231

Equipment: Goniophotometer
Temperature(°C): 0.0
Date: 2017骞?鏈?2鏃?
Humidity(%): 0.0%
Operator: Leo
Distance(m): 9.24

Space ISO Lux diagram



Equipment: Goniophotometer
Temperature(°C): 0.0

Date: 2017骞?鏈?2鏃?
Humidity(%): 0.0%

Operator: Leo
Distance(m): 9.24

ASD-LWL1-60N50

Luminance Limitting Curve(no luminous side)

Luminance Table

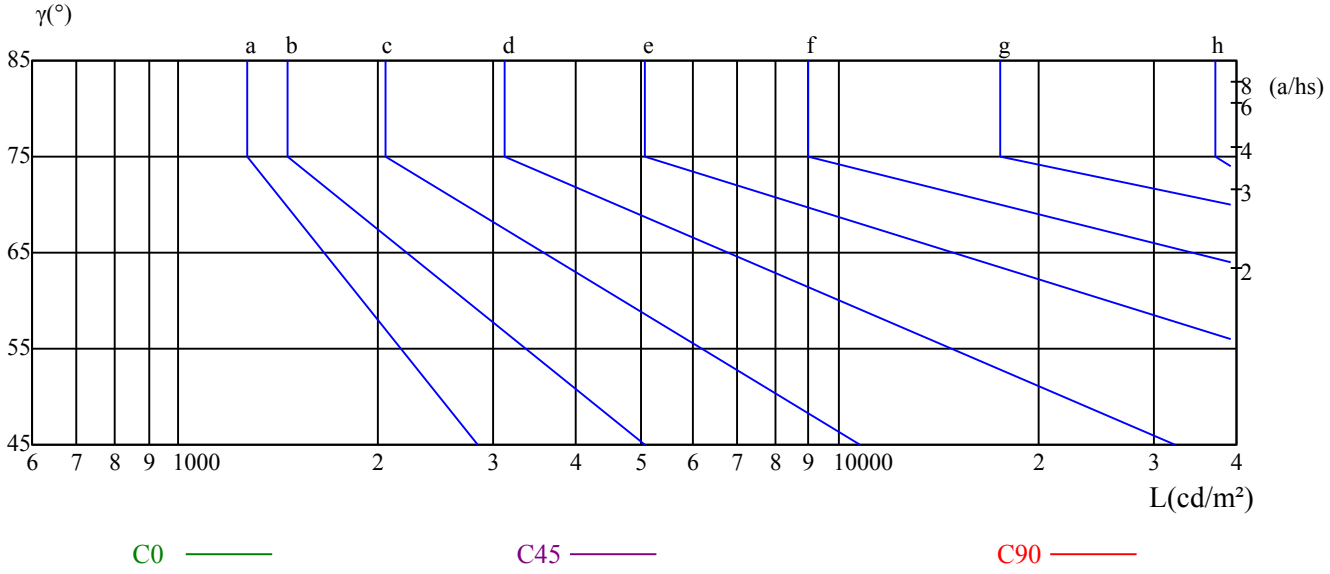
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

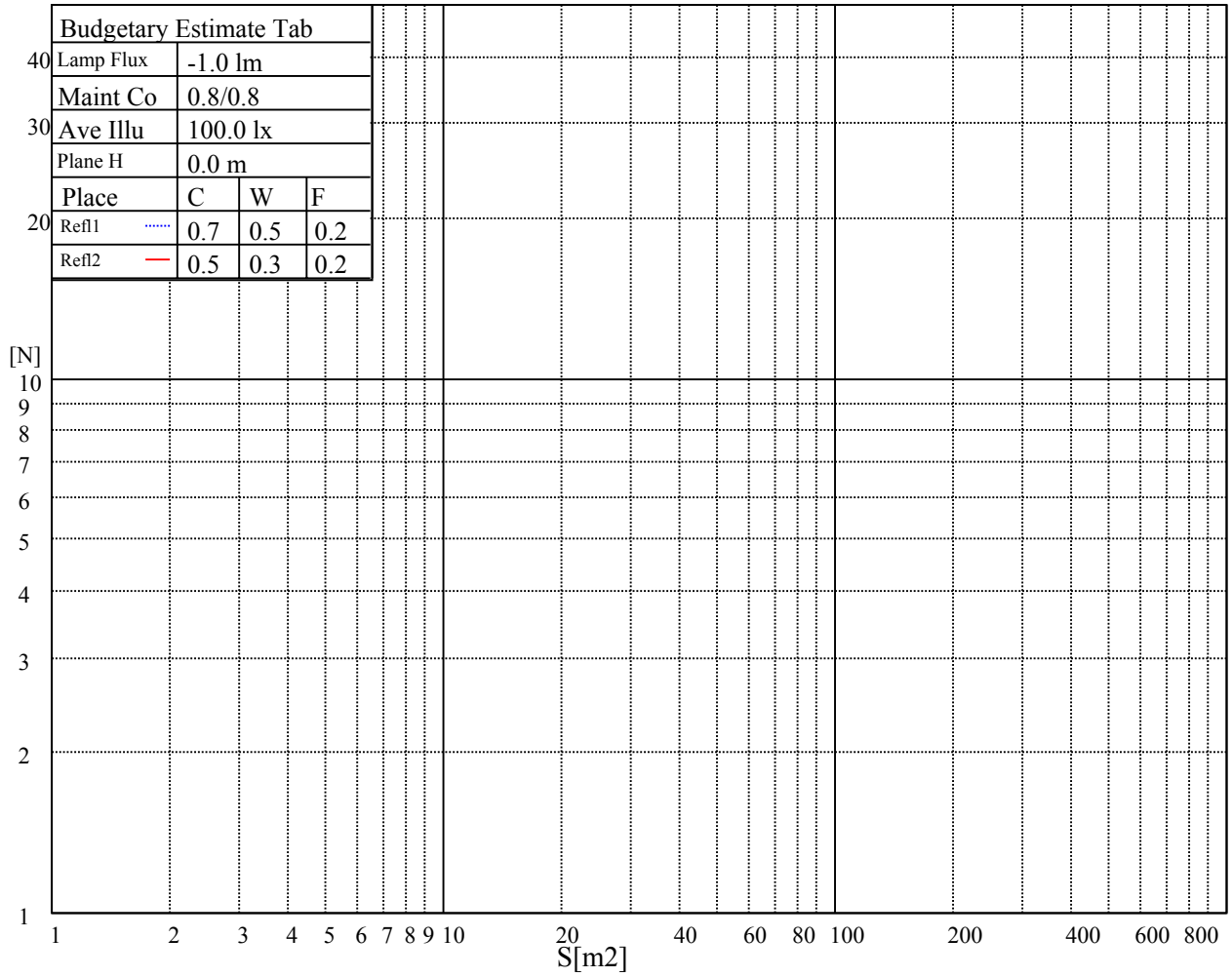
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Equipment: Goniophotometer
Temperature(°C): 0.0
Date: 2017骞?鏈?2鏃?
Humidity(%): 0.0%
Operator: Leo
Distance(m): 9.24

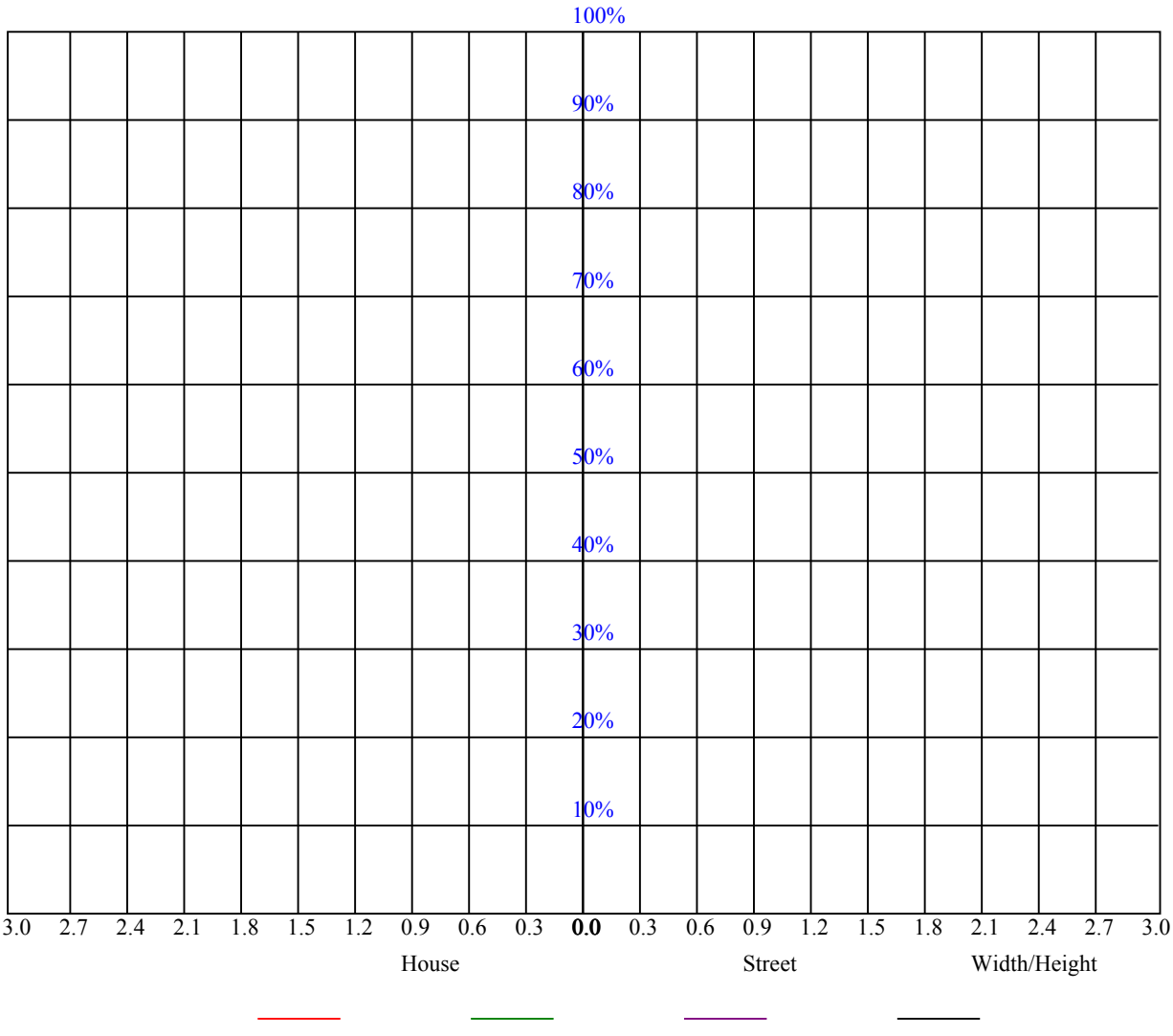
Budgetary Estimate Table



Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coefficient Utilization Curve



Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	616.91	632.49	648.70	662.01	656.55	636.67	617.14	617.22	633.86
22.5	616.91	631.64	649.47	656.04	649.56	630.36	619.10	621.06	630.19
45.0	616.91	632.49	647.85	654.93	644.01	626.78	612.53	614.06	621.49
67.5	616.91	631.13	646.06	656.30	653.06	637.10	620.97	617.82	624.81
90.0	616.91	624.22	642.99	661.16	666.28	659.03	645.55	629.25	604.59
112.5	616.91	621.83	632.24	647.60	659.54	666.02	668.24	660.91	652.03
135.0	616.91	622.51	631.81	640.17	644.10	642.48	638.72	637.95	641.37
157.5	616.91	625.33	641.62	653.40	658.35	661.76	663.21	660.22	653.57
180.0	616.91	624.90	643.67	667.22	680.36	686.08	686.33	685.48	686.08
202.5	616.91	626.78	648.11	670.97	691.02	695.80	695.80	692.30	686.16
225.0	616.91	625.58	643.24	673.19	694.61	700.58	700.50	697.68	689.92
247.5	616.91	623.36	637.10	662.87	683.86	693.24	692.30	677.63	660.82
270.0	616.91	618.16	623.19	631.64	641.11	642.05	637.61	630.45	635.05
292.5	616.91	614.15	614.06	617.48	625.16	635.48	647.68	653.48	650.24
315.0	616.91	612.70	616.71	627.29	649.47	668.93	673.02	655.19	631.13
337.5	616.91	613.38	626.61	644.95	661.67	661.33	641.37	612.19	600.92
360.0	616.91	632.49	648.70	662.01	656.55	636.67	617.14	617.22	633.86

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	646.91	644.69	624.90	620.97	635.14	652.54	658.09	658.18	663.47
22.5	632.15	621.49	610.91	612.70	627.54	645.21	653.23	654.08	656.38
45.0	623.71	618.67	609.63	612.95	626.86	633.35	638.98	640.17	644.27
67.5	636.25	638.30	626.09	613.55	612.95	629.00	648.79	657.41	657.41
90.0	601.61	612.02	624.39	630.87	623.19	612.61	609.80	613.30	628.06
112.5	635.05	617.48	603.57	609.80	629.93	645.12	643.76	624.13	608.94
135.0	645.29	650.50	652.80	644.44	627.46	611.25	609.80	621.83	637.61
157.5	642.13	632.32	632.66	637.36	641.45	639.66	628.23	613.38	603.65
180.0	689.49	692.39	690.43	673.19	658.69	654.08	660.48	664.06	656.81
202.5	680.62	677.80	674.90	661.33	643.76	641.03	659.11	672.08	664.49
225.0	684.28	675.41	659.80	656.30	662.36	677.54	683.09	672.42	649.64
247.5	643.16	637.87	648.11	663.64	670.46	668.16	648.88	633.77	638.81
270.0	646.66	652.54	655.10	644.18	628.91	616.62	618.93	625.41	624.64
292.5	632.24	609.63	601.95	607.58	625.33	636.33	632.24	623.19	623.19
315.0	611.59	615.94	628.48	640.60	635.65	625.67	625.41	631.47	641.20
337.5	610.74	623.96	629.17	618.59	605.10	610.39	625.67	640.85	653.65
360.0	646.91	644.69	624.90	620.97	635.14	652.54	658.09	658.18	663.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	677.88	690.68	701.60	712.27	720.20	725.41	727.03	737.70	748.36
22.5	667.22	687.10	699.56	709.03	717.13	723.62	736.42	748.87	760.14
45.0	658.69	676.52	687.01	701.86	708.17	715.68	724.73	733.94	741.96
67.5	657.58	665.94	687.10	703.14	710.56	711.76	712.44	723.96	728.48
90.0	643.50	649.13	655.44	664.23	674.64	680.10	684.97	689.49	699.64
112.5	609.71	636.59	653.65	661.42	661.84	665.26	675.50	693.84	709.54
135.0	633.01	612.87	602.03	611.93	643.93	655.10	661.16	661.76	665.85
157.5	611.50	622.94	626.18	621.23	618.76	624.64	639.83	643.76	645.29
180.0	646.91	630.36	627.03	633.09	630.10	621.40	620.46	631.30	647.17
202.5	650.16	641.88	641.37	644.87	649.13	645.12	638.21	643.50	657.58
225.0	637.95	646.40	657.41	664.57	661.42	656.98	663.55	673.36	687.61
247.5	655.62	669.44	658.09	648.79	654.93	673.36	693.93	704.68	706.21
270.0	625.67	636.16	651.69	662.78	669.86	677.46	682.15	698.96	713.72
292.5	643.16	664.15	671.40	671.91	676.09	687.27	704.93	714.91	717.99
315.0	646.66	646.83	657.41	672.51	684.28	692.99	697.17	703.99	714.15
337.5	665.00	676.01	678.74	691.19	698.96	705.27	714.49	724.73	735.73
360.0	677.88	690.68	701.60	712.27	720.20	725.41	727.03	737.70	748.36

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	763.12	773.70	785.31	787.61	790.60	798.96	809.02	827.71	842.13
22.5	766.28	773.70	782.15	792.98	806.12	814.91	822.93	828.73	842.47
45.0	750.32	761.33	773.27	787.61	795.54	802.63	810.99	819.95	825.58
67.5	741.45	751.26	758.34	768.92	785.13	799.90	801.09	797.93	805.10
90.0	710.31	724.04	733.09	729.25	726.52	730.87	740.34	748.28	760.31
112.5	714.49	718.41	722.34	727.63	734.37	748.45	759.37	766.11	769.26
135.0	678.23	691.28	706.38	712.10	716.54	717.22	723.62	731.98	739.91
157.5	648.02	659.37	678.31	686.76	689.40	695.55	700.24	706.04	716.88
180.0	658.43	660.22	662.19	660.31	667.22	676.95	692.65	709.62	716.62
202.5	666.79	674.73	676.69	681.30	689.23	697.85	702.03	716.37	730.53
225.0	701.60	703.74	703.91	708.52	723.96	736.93	758.86	771.91	789.23
247.5	704.76	715.51	738.38	748.62	765.85	778.65	797.25	808.17	821.06
270.0	720.03	727.88	744.44	758.17	773.79	782.58	786.93	802.71	812.86
292.5	719.27	731.47	740.77	751.77	763.12	770.63	781.98	793.84	809.02
315.0	727.29	739.23	746.31	751.09	755.95	762.69	768.16	778.39	790.08
337.5	744.95	757.58	768.92	776.01	785.13	796.57	807.32	816.62	825.07
360.0	763.12	773.70	785.31	787.61	790.60	798.96	809.02	827.71	842.13

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	852.71	854.67	851.26	847.16	843.58	840.51	837.27	836.50	829.76
22.5	853.22	865.25	871.57	872.33	867.56	853.82	839.66	834.96	836.84
45.0	834.19	843.32	856.21	864.57	866.87	865.68	862.78	852.03	844.09
67.5	824.38	839.23	853.31	864.57	869.69	868.41	863.72	859.54	850.32
90.0	766.02	775.24	786.07	802.46	803.99	791.53	781.30	777.29	771.91
112.5	773.79	782.92	795.54	810.56	820.12	821.82	810.90	796.06	788.97
135.0	749.47	756.47	758.60	766.02	769.86	771.31	773.36	774.38	767.73
157.5	725.67	739.32	750.92	753.91	754.67	757.49	757.06	750.49	743.84
180.0	720.20	729.42	738.72	753.82	759.11	756.21	747.59	745.20	737.78
202.5	746.23	755.53	760.05	766.19	775.32	771.57	765.00	749.73	736.25
225.0	801.94	813.80	828.05	834.96	833.77	824.89	811.24	802.11	790.08
247.5	831.21	837.44	848.27	850.83	849.81	850.32	846.74	829.76	819.52
270.0	823.61	832.92	835.73	836.33	842.98	841.87	832.83	822.08	822.59
292.5	819.35	834.28	840.76	843.50	839.48	832.49	821.48	808.26	794.69
315.0	803.73	813.12	824.55	827.37	825.41	818.07	809.88	804.84	796.91
337.5	828.39	836.58	841.02	841.79	842.90	840.08	835.99	837.18	835.39
360.0	852.71	854.67	851.26	847.16	843.58	840.51	837.27	836.50	829.76

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	822.08	811.16	805.01	803.31	794.26	785.56	778.91	775.49	784.28
22.5	835.65	832.83	831.64	821.06	808.60	793.07	784.96	772.93	762.52
45.0	832.32	828.48	834.71	847.93	855.87	854.67	841.96	824.81	812.01
67.5	839.91	833.51	838.03	846.31	841.19	831.38	825.32	821.31	808.26
90.0	764.57	753.91	753.14	757.83	753.39	741.36	725.15	696.74	684.28
112.5	786.07	774.30	750.24	740.26	745.97	748.79	743.24	738.63	735.73
135.0	756.04	744.35	740.77	737.95	734.37	732.23	733.09	732.58	726.77
157.5	739.49	728.82	717.39	705.79	699.73	692.82	684.11	674.56	661.67
180.0	730.96	719.52	710.56	699.04	691.11	686.16	683.26	681.72	675.15
202.5	717.39	712.35	719.27	714.32	706.55	694.78	691.96	688.89	687.87
225.0	782.66	785.48	794.35	785.13	767.98	759.28	754.85	753.39	753.65
247.5	812.44	816.87	819.43	817.13	811.76	807.49	803.82	802.20	807.57
270.0	827.63	826.77	817.90	811.24	812.01	817.05	817.73	812.10	808.94
292.5	789.06	789.57	788.72	779.50	766.71	755.78	744.27	740.17	735.73
315.0	777.97	768.92	772.25	776.77	767.47	752.54	747.00	740.60	733.34
337.5	834.45	832.40	828.56	827.03	825.75	820.29	808.09	797.85	781.64
360.0	822.08	811.16	805.01	803.31	794.26	785.56	778.91	775.49	784.28

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	787.95	789.06	798.87	797.42	792.56	785.05	777.54	766.19	756.64
22.5	754.08	756.89	762.69	769.44	782.92	784.88	778.91	774.55	763.12
45.0	798.96	786.76	780.44	783.09	789.66	796.06	795.80	794.61	795.89
67.5	802.37	797.68	788.55	779.67	773.96	774.13	771.31	773.10	765.43
90.0	673.79	659.11	657.83	656.64	643.33	638.72	643.59	641.54	639.40
112.5	720.29	709.45	712.18	703.91	693.75	692.82	685.31	682.66	680.02
135.0	717.22	697.17	691.37	686.93	672.68	673.96	671.91	667.39	662.53
157.5	655.36	643.84	635.99	635.91	627.12	626.09	625.84	621.06	616.11
180.0	668.76	662.78	649.73	651.69	649.30	641.11	637.27	631.90	621.49
202.5	689.74	678.91	664.40	665.00	661.25	648.19	642.56	635.99	626.78
225.0	751.18	737.95	725.75	720.55	703.82	701.60	701.60	703.65	704.59
247.5	803.82	793.75	792.73	784.45	780.78	778.14	774.21	768.50	762.10
270.0	804.76	792.98	786.16	781.81	778.39	774.47	772.17	761.93	752.29
292.5	727.29	724.21	717.82	709.97	708.34	707.58	701.52	698.19	691.11
315.0	735.31	733.69	727.12	727.29	726.09	724.21	713.89	704.42	694.61
337.5	782.92	788.29	791.19	795.46	796.40	793.67	786.67	774.47	766.53
360.0	787.95	789.06	798.87	797.42	792.56	785.05	777.54	766.19	756.64

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	746.48	739.23	732.41	729.08	726.09	716.79	708.77	698.45	692.65
22.5	750.84	742.64	733.86	726.86	724.39	718.41	711.93	705.53	696.06
45.0	787.44	779.59	773.70	767.05	757.92	746.06	733.09	722.42	711.76
67.5	762.95	759.37	759.54	757.66	753.14	739.66	726.18	707.75	695.46
90.0	633.60	629.42	619.10	615.94	608.86	597.68	586.08	576.27	561.85
112.5	675.75	674.05	669.18	662.44	656.47	642.65	620.21	605.53	589.32
135.0	650.41	644.61	639.66	632.92	623.79	616.20	601.18	587.53	576.61
157.5	601.52	590.77	583.26	578.14	574.39	568.42	557.32	546.15	538.04
180.0	606.90	591.54	580.53	574.56	573.62	565.60	556.56	545.21	536.51
202.5	617.99	603.06	594.01	589.15	585.99	575.07	563.13	554.51	539.75
225.0	696.48	688.46	681.30	676.26	668.41	655.19	645.63	636.67	625.58
247.5	752.97	744.52	738.46	733.26	723.11	711.33	701.35	693.67	685.48
270.0	748.10	740.68	738.72	733.34	724.81	710.82	701.52	692.39	685.82
292.5	683.86	678.57	677.63	668.07	659.03	647.77	636.93	628.74	624.30
315.0	687.44	679.34	677.97	672.68	663.72	658.52	650.84	643.16	634.20
337.5	755.61	748.45	740.26	728.14	720.12	712.35	709.80	705.79	702.80
360.0	746.48	739.23	732.41	729.08	726.09	716.79	708.77	698.45	692.65

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	688.29	686.16	683.86	681.21	673.28	666.11	661.33	653.65	646.14
22.5	690.60	683.94	679.42	673.70	669.18	663.29	659.88	657.24	655.62
45.0	703.82	696.14	691.28	688.38	686.50	681.47	677.29	673.79	672.68
67.5	680.87	671.49	666.45	665.51	664.75	660.05	657.15	653.91	651.09
90.0	554.25	547.09	543.59	543.42	543.42	541.63	537.36	534.03	530.79
112.5	579.76	573.71	570.98	570.21	571.15	567.14	561.51	554.00	549.30
135.0	565.43	561.59	556.13	551.86	549.05	544.27	535.14	528.74	524.65
157.5	527.46	522.94	517.82	514.07	509.12	501.35	494.95	491.37	487.79
180.0	527.04	517.39	513.04	505.62	501.01	496.15	491.71	484.12	475.42
202.5	529.94	521.49	518.50	515.43	511.34	506.56	500.24	493.42	484.97
225.0	619.69	616.79	618.93	619.52	617.14	611.16	604.34	590.17	573.79
247.5	680.62	679.68	678.82	677.20	672.42	666.79	655.10	644.35	631.64
270.0	682.15	679.42	677.71	673.62	666.62	658.86	649.47	644.01	634.71
292.5	620.97	616.96	614.41	611.67	606.90	598.11	590.69	582.32	572.51
315.0	626.35	621.40	619.18	613.89	607.07	600.75	592.99	587.53	582.24
337.5	697.42	693.93	689.40	682.83	677.37	669.61	663.04	654.51	645.29
360.0	688.29	686.16	683.86	681.21	673.28	666.11	661.33	653.65	646.14

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	636.50	636.16	639.15	636.59	633.60	627.63	620.04	614.83	608.01
22.5	650.07	643.93	647.42	647.00	643.93	636.93	630.62	620.63	615.17
45.0	672.00	667.65	664.75	666.62	665.77	659.54	654.93	646.23	638.47
67.5	648.70	645.72	640.43	640.43	639.23	635.65	628.31	624.98	616.03
90.0	527.12	519.44	511.08	506.98	505.96	502.46	497.51	493.59	489.15
112.5	545.04	538.72	529.34	525.50	524.13	520.64	518.67	514.15	510.23
135.0	521.83	512.45	504.00	504.60	503.74	501.69	499.39	495.04	490.09
157.5	483.35	470.98	462.53	460.14	460.48	462.10	458.86	455.71	450.59
180.0	466.97	454.77	450.25	451.61	452.80	451.44	449.99	449.14	443.33
202.5	473.62	461.76	457.16	457.84	458.35	459.63	456.13	454.17	451.70
225.0	563.04	552.55	552.46	554.17	553.23	557.92	559.37	559.63	558.77
247.5	622.08	612.61	614.66	616.54	617.22	619.87	620.21	619.52	620.12
270.0	620.63	618.24	621.83	624.30	623.88	622.17	620.38	619.18	619.87
292.5	563.81	564.06	566.97	567.31	564.15	561.93	558.77	558.18	559.03
315.0	572.17	573.37	574.82	572.68	568.76	564.83	559.63	555.53	555.19
337.5	636.59	640.77	641.54	637.87	635.31	628.23	621.23	615.68	612.61
360.0	636.50	636.16	639.15	636.59	633.60	627.63	620.04	614.83	608.01

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	604.51	602.55	599.30	598.45	596.40	595.29	595.21	595.29	597.51
22.5	610.14	607.75	604.59	602.55	600.58	598.36	597.60	597.17	597.34
45.0	630.19	626.69	623.71	622.17	620.72	618.93	617.14	614.49	613.38
67.5	608.77	604.42	601.69	600.07	598.88	598.54	596.15	593.59	590.17
90.0	483.61	479.51	477.80	477.55	478.66	479.17	476.44	473.62	470.04
112.5	504.17	502.29	502.21	503.49	505.11	504.17	500.76	496.58	494.53
135.0	484.97	483.18	483.52	484.54	484.29	481.56	478.23	476.70	476.87
157.5	446.75	447.60	446.41	444.10	441.97	438.64	435.83	435.48	435.83
180.0	441.37	441.03	439.32	432.84	427.55	425.84	424.31	422.34	420.64
202.5	450.76	450.07	447.26	443.33	438.56	435.66	434.20	432.92	431.22
225.0	558.52	555.53	551.27	544.36	537.79	532.67	527.38	526.35	528.40
247.5	619.01	615.77	609.03	602.89	595.29	590.51	587.61	586.93	587.27
270.0	618.93	614.23	608.35	603.06	595.46	590.51	588.38	587.87	587.78
292.5	558.09	552.97	547.68	543.25	539.32	537.87	535.31	532.15	530.79
315.0	555.28	551.18	546.32	541.71	540.77	541.71	541.54	539.58	537.79
337.5	612.78	611.67	607.92	602.97	602.20	603.14	603.65	604.59	605.02
360.0	604.51	602.55	599.30	598.45	596.40	595.29	595.21	595.29	597.51

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	599.73	599.90	599.05	596.74	594.35	592.56	587.96	581.30	573.96
22.5	597.85	598.19	599.73	601.18	600.75	597.51	594.18	588.98	584.03
45.0	613.04	612.78	613.55	613.30	611.93	609.20	607.32	604.85	600.58
67.5	589.32	589.75	588.81	588.47	587.78	585.14	581.81	577.29	573.88
90.0	467.65	466.37	466.46	466.37	465.26	461.68	457.67	455.96	454.94
112.5	493.50	492.91	491.37	487.62	484.37	480.88	479.51	477.72	475.84
135.0	476.44	474.14	469.10	463.98	459.46	457.58	457.16	455.88	451.95
157.5	434.63	431.30	427.98	427.29	425.50	422.09	417.05	413.30	409.55
180.0	421.58	423.71	423.54	421.41	416.03	413.13	409.38	405.88	399.91
202.5	431.30	433.86	434.29	430.02	427.04	423.97	419.96	412.79	407.75
225.0	529.59	530.70	530.62	528.66	524.99	519.87	511.85	506.13	500.93
247.5	588.55	588.38	585.48	582.92	580.28	576.69	571.15	564.58	561.25
270.0	585.74	584.80	584.37	583.52	580.87	576.52	571.49	566.20	563.38
292.5	532.15	534.46	535.91	534.97	531.47	529.25	525.93	522.43	516.54
315.0	536.34	536.59	537.36	534.63	530.19	524.73	520.12	514.07	509.63
337.5	605.02	604.00	600.84	598.71	594.87	590.51	585.31	580.70	574.13
360.0	599.73	599.90	599.05	596.74	594.35	592.56	587.96	581.30	573.96

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	565.34	558.35	550.50	544.61	538.04	532.33	528.14	523.37	518.67
22.5	578.31	570.29	562.70	552.03	543.67	534.37	526.44	521.32	516.80
45.0	594.01	585.99	579.17	571.06	564.66	556.39	548.20	538.55	530.45
67.5	569.01	564.41	560.31	553.48	546.15	536.68	529.85	522.43	515.60
90.0	452.80	448.20	442.74	436.25	432.16	429.09	423.88	419.61	413.30
112.5	472.26	468.76	466.03	462.28	457.92	452.04	446.58	440.95	432.41
135.0	446.58	443.76	442.48	440.35	434.63	427.21	422.60	417.91	413.22
157.5	406.99	404.60	400.93	397.43	392.74	388.81	383.52	378.49	376.01
180.0	395.30	394.70	391.54	386.42	381.65	381.30	381.99	379.09	374.31
202.5	405.11	403.15	401.87	399.39	398.11	395.81	392.06	384.63	377.29
225.0	497.51	494.70	493.84	491.37	485.40	479.77	470.98	465.18	459.72
247.5	556.39	550.16	541.97	537.70	533.86	529.59	522.26	517.56	515.86
270.0	558.01	550.50	540.17	535.23	531.81	526.35	522.00	516.63	513.30
292.5	510.65	502.38	493.25	487.53	483.95	482.16	480.36	477.55	474.99
315.0	505.62	499.73	494.53	488.38	483.44	476.61	472.09	467.14	464.15
337.5	565.94	559.63	554.34	550.33	544.61	539.24	532.33	526.86	520.12
360.0	565.34	558.35	550.50	544.61	538.04	532.33	528.14	523.37	518.67

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	512.45	506.90	499.48	491.88	486.93	480.11	473.96	466.12	458.35
22.5	513.81	509.54	505.45	499.82	493.50	487.87	480.36	473.96	464.41
45.0	524.56	517.39	510.99	503.49	498.62	492.91	486.85	481.81	474.39
67.5	507.07	498.96	493.50	487.02	482.75	477.29	472.26	465.69	458.01
90.0	406.39	400.67	395.30	389.50	381.30	375.25	371.49	366.46	362.62
112.5	426.01	419.87	416.63	413.73	411.17	408.95	405.71	403.06	396.24
135.0	404.68	397.52	390.78	386.59	384.80	382.93	379.43	376.70	371.32
157.5	373.11	370.13	365.18	357.67	350.67	342.57	335.91	325.93	318.51
180.0	369.27	362.19	355.45	347.01	337.71	330.45	325.16	321.75	317.31
202.5	370.13	366.12	361.85	358.95	356.13	353.06	345.21	334.46	324.48
225.0	458.09	457.33	455.71	449.73	440.95	427.38	413.56	395.89	383.52
247.5	512.96	508.35	499.05	491.37	480.71	469.95	454.77	442.31	427.04
270.0	508.43	503.06	497.43	492.65	482.50	472.00	458.78	446.58	429.94
292.5	470.81	466.12	460.57	452.21	445.64	436.51	427.63	417.05	409.03
315.0	462.28	461.17	458.18	449.65	440.18	426.27	415.52	404.43	397.43
337.5	515.60	510.14	505.79	499.90	494.53	489.07	480.45	471.41	459.20
360.0	512.45	506.90	499.48	491.88	486.93	480.11	473.96	466.12	458.35

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	450.16	438.04	428.57	418.25	410.74	399.99	387.70	377.29	367.65
22.5	452.04	441.20	427.21	418.16	411.42	406.82	398.03	385.74	374.39
45.0	467.39	456.64	444.87	434.20	418.85	406.90	395.98	390.52	383.86
67.5	450.16	439.24	428.91	416.54	406.99	400.50	392.31	384.46	372.26
90.0	358.18	354.94	348.80	339.67	331.56	321.41	311.85	299.14	290.69
112.5	386.00	377.38	366.12	355.62	343.59	336.68	329.17	322.60	317.74
135.0	363.81	352.47	339.92	329.09	315.61	307.67	301.02	296.92	294.11
157.5	311.51	304.17	297.60	289.58	283.27	277.30	270.39	265.10	259.55
180.0	311.68	301.78	292.40	283.27	278.49	272.86	268.68	263.82	258.61
202.5	311.77	302.72	296.67	294.19	290.69	287.45	280.03	273.03	262.37
225.0	377.29	371.24	368.08	364.50	358.87	348.54	339.50	327.13	318.76
247.5	417.91	411.34	405.96	400.50	390.60	382.24	369.53	357.93	346.75
270.0	418.59	407.33	399.73	396.58	393.16	390.01	380.96	367.23	348.11
292.5	398.11	388.56	376.53	369.10	363.90	359.97	355.37	346.32	338.22
315.0	389.50	382.93	374.48	365.52	354.68	348.46	339.67	331.99	321.92
337.5	449.39	436.59	426.35	415.35	408.86	402.64	394.36	381.22	372.09
360.0	450.16	438.04	428.57	418.25	410.74	399.99	387.70	377.29	367.65

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	362.79	355.54	346.15	331.73	319.02	311.94	299.22	287.88	276.36
22.5	363.30	357.41	347.86	337.45	322.18	311.00	305.03	293.76	281.73
45.0	373.37	363.39	351.78	344.36	333.52	316.97	304.26	292.40	284.29
67.5	360.32	351.87	342.14	333.10	321.66	313.39	304.26	291.72	278.32
90.0	283.61	280.88	278.15	272.01	265.01	254.43	241.89	231.56	220.22
112.5	311.43	305.62	296.75	285.49	276.44	266.89	259.21	249.31	241.04
135.0	289.07	282.33	272.01	260.32	250.34	240.35	233.78	227.30	219.70
157.5	255.03	247.01	235.49	227.30	218.00	212.71	206.14	198.20	189.93
180.0	248.88	236.34	228.07	222.09	218.25	212.62	205.29	194.02	182.76
202.5	252.30	245.90	239.50	233.87	225.59	218.60	208.78	196.84	189.84
225.0	309.72	301.78	295.56	284.46	273.63	259.89	249.06	238.48	230.63
247.5	340.18	331.82	322.69	310.06	300.50	286.34	274.57	260.32	250.85
270.0	335.91	325.50	318.68	311.60	304.51	293.25	273.37	261.00	248.97
292.5	324.65	311.94	297.43	290.01	285.83	282.67	270.90	258.27	244.79
315.0	309.80	305.37	300.93	292.74	278.92	269.02	259.98	250.76	237.54
337.5	363.90	356.05	345.04	329.77	320.47	309.98	300.50	283.18	272.35
360.0	362.79	355.54	346.15	331.73	319.02	311.94	299.22	287.88	276.36

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	265.69	255.63	240.18	230.03	218.00	204.09	194.11	182.08	169.96
22.5	269.36	260.15	246.50	231.31	222.01	210.92	197.44	187.45	174.06
45.0	270.73	259.04	246.84	232.59	221.16	209.47	200.25	188.39	176.62
67.5	263.47	252.21	238.73	228.66	217.40	204.69	196.07	183.10	170.05
90.0	212.96	205.29	196.07	185.92	173.97	164.42	157.59	147.95	140.18
112.5	229.43	219.02	210.23	199.74	188.31	180.46	170.39	161.94	149.48
135.0	210.40	197.86	186.51	175.68	165.87	160.06	150.93	141.38	134.30
157.5	178.84	168.43	161.26	154.01	148.29	139.08	130.54	123.12	113.65
180.0	174.14	165.95	160.15	149.66	142.06	132.25	125.34	117.74	109.90
202.5	181.57	173.46	166.21	158.61	148.12	138.99	130.37	123.63	112.03
225.0	219.79	212.62	201.45	188.22	177.13	165.95	155.97	140.53	131.91
247.5	238.73	227.98	218.60	205.97	196.33	184.30	173.29	157.85	147.01
270.0	240.61	231.22	221.75	206.91	197.78	186.51	177.30	164.33	153.24
292.5	230.46	220.64	211.86	202.38	189.84	181.91	170.73	161.77	152.39
315.0	228.75	218.60	207.42	195.81	186.00	177.56	166.89	158.19	144.62
337.5	261.09	252.13	237.54	228.07	215.87	202.64	194.71	181.82	171.41
360.0	265.69	255.63	240.18	230.03	218.00	204.09	194.11	182.08	169.96

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	157.08	142.49	130.63	118.51	105.71	94.45	81.40	73.21	62.71
22.5	162.97	146.07	131.91	122.52	108.53	98.97	86.35	75.08	66.04
45.0	164.50	150.59	138.56	122.95	111.86	97.95	86.52	75.42	68.00
67.5	159.55	146.33	134.47	120.99	107.51	98.63	87.97	75.94	68.00
90.0	132.33	122.27	109.98	100.17	93.68	83.10	71.24	65.95	57.17
112.5	138.48	130.88	115.78	104.69	95.65	84.47	75.25	68.43	58.53
135.0	121.84	114.67	104.09	93.00	83.62	73.80	67.15	58.45	52.05
157.5	105.88	96.93	87.97	80.29	72.69	62.88	57.85	50.34	45.48
180.0	103.75	92.92	86.60	79.26	70.82	66.30	58.19	52.47	45.73
202.5	103.07	93.68	84.30	79.69	71.07	65.27	56.48	50.43	42.92
225.0	120.39	110.58	103.50	92.66	84.64	72.61	65.44	55.12	48.72
247.5	134.47	122.18	116.29	102.05	94.96	83.53	73.63	63.14	55.72
270.0	142.32	128.15	121.41	108.62	100.85	90.10	80.46	68.43	59.98
292.5	141.55	126.45	117.32	106.99	94.20	87.28	77.64	68.26	59.04
315.0	136.52	123.63	112.97	102.30	92.66	82.76	71.16	66.12	55.97
337.5	157.33	145.99	130.97	121.50	106.57	96.07	85.41	75.85	65.53
360.0	157.08	142.49	130.63	118.51	105.71	94.45	81.40	73.21	62.71

Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	56.65	47.61	39.08	32.76	26.02	20.56	17.15	14.76	13.65
22.5	57.59	48.38	41.47	32.93	27.64	21.67	17.49	15.02	13.82
45.0	57.85	52.22	43.43	35.49	29.18	22.87	18.00	16.30	14.59
67.5	57.59	51.88	42.06	33.87	28.33	22.78	19.45	16.21	14.59
90.0	51.11	44.79	38.05	31.40	25.94	20.31	16.98	14.33	13.40
112.5	52.30	42.92	37.80	30.55	24.40	20.56	17.32	15.19	13.22
135.0	45.90	38.65	32.42	27.73	22.70	19.37	16.72	14.50	12.97
157.5	38.22	32.00	27.73	23.89	20.31	17.83	15.70	13.22	11.86
180.0	39.59	33.62	29.69	25.26	21.84	18.34	15.96	13.74	11.52
202.5	36.94	31.83	26.62	23.46	20.39	18.26	15.27	12.63	11.95
225.0	40.10	34.98	29.35	25.77	22.18	18.17	15.36	13.48	13.14
247.5	45.73	38.74	33.53	29.01	25.51	21.16	17.49	14.85	13.65
270.0	50.17	41.38	36.09	30.46	26.62	22.61	18.94	15.53	13.82
292.5	49.83	40.02	33.28	28.75	23.55	21.33	19.20	17.32	14.85
315.0	50.60	41.72	35.58	30.03	25.68	20.22	17.24	15.78	13.57
337.5	57.42	50.00	42.06	34.81	27.56	22.44	18.09	16.47	14.76
360.0	56.65	47.61	39.08	32.76	26.02	20.56	17.15	14.76	13.65

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	12.46	10.32	7.51	4.52	1.88	1.62	1.62	1.54	1.62
22.5	12.12	10.58	7.25	4.44	2.39	1.71	1.62	1.62	1.62
45.0	12.54	10.49	7.85	5.12	2.99	2.13	1.62	1.62	1.54
67.5	12.88	10.92	8.87	6.40	3.92	2.30	1.79	1.62	1.71
90.0	12.46	11.09	9.30	7.68	4.86	2.64	1.96	1.62	1.62
112.5	11.01	9.39	8.11	7.08	5.03	3.16	2.39	1.62	1.62
135.0	10.92	8.79	7.42	6.48	4.61	3.33	2.64	1.62	1.62
157.5	9.56	8.02	6.48	5.72	5.38	4.44	2.64	1.71	1.62
180.0	10.58	8.96	8.19	6.91	5.46	4.52	3.50	2.56	1.88
202.5	10.67	9.47	8.45	7.00	5.29	4.18	3.24	1.96	1.71
225.0	10.92	9.21	7.51	6.91	6.06	5.20	3.84	2.22	1.62
247.5	11.95	11.35	10.41	8.96	7.76	5.63	4.10	2.39	1.71
270.0	12.63	11.52	10.07	8.96	8.19	5.72	3.41	2.13	1.62
292.5	12.80	11.09	9.90	8.53	5.97	3.84	2.22	1.62	1.62
315.0	11.77	9.90	9.04	7.34	4.86	2.30	1.71	1.62	1.62
337.5	13.14	11.60	9.56	6.14	3.16	2.05	1.79	1.71	1.62
360.0	12.46	10.32	7.51	4.52	1.88	1.62	1.62	1.54	1.62

C/γ(°)	180.0
0.0	1.64
22.5	1.64
45.0	1.64
67.5	1.64
90.0	1.64
112.5	1.64
135.0	1.64
157.5	1.64
180.0	1.64
202.5	1.64
225.0	1.64
247.5	1.64
270.0	1.64
292.5	1.64
315.0	1.64
337.5	1.64
360.0	1.64