
Client: Light and Green
LumCAT: LG-7010 45°
Luminaire:
Report No: Voltage(V): 110.0500
Test No: Current(A): 0.0910
LampCAT: Power (W): 18.9000
Lamp flux(lm) PF: 0.9438
Number of Lamps: 1 Ballast type:
Length(mm): 266 Width(mm): 31
Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 1331.78, , Luminous Efficacy(lm/W): 70.46
Central intensity(cd): 3242.803, Maximum intensity(cd): 3258.646
Angle of maximum intensity: C=0.0 $\gamma=1.0$
Beam Angle(50%Imax): [C0/180]Total=37.6
 [C90/270]Total=37.4
Field angle(10%Imax): [C0/180]Total=59.8
 [C90/270]Total=59.8
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of LUM(%): 0.15%
Down flux rate of LUM(%): 99.85%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.795%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3242.803	0.000	0	.000%	.000%
1.0	3239.705	3.102	3.102	.233%	.233%
2.0	3221.425	9.274	12.375	.696%	.929%
3.0	3190.855	15.336	27.711	1.152%	2.081%
4.0	3146.829	21.214	48.926	1.593%	3.674%
5.0	3091.606	26.837	75.763	2.015%	5.689%
6.0	3029.197	32.166	107.93	2.415%	8.104%
7.0	2955.414	37.146	145.076	2.789%	10.893%
8.0	2877.035	41.742	186.818	3.134%	14.028%
9.0	2785.644	45.887	232.704	3.446%	17.473%
10.0	2683.006	49.482	282.186	3.716%	21.189%
11.0	2577.434	52.563	334.749	3.947%	25.136%
12.0	2460.590	55.073	389.822	4.135%	29.271%
13.0	2342.730	57.003	446.825	4.280%	33.551%
14.0	2218.471	58.383	505.208	4.384%	37.935%
15.0	2092.029	59.176	564.385	4.443%	42.378%
16.0	1960.484	59.381	623.765	4.459%	46.837%
17.0	1831.224	59.047	682.812	4.434%	51.271%
18.0	1705.874	58.319	741.131	4.379%	55.650%
19.0	1573.237	57.050	798.181	4.284%	59.934%
20.0	1447.404	55.286	853.467	4.151%	64.085%
21.0	1322.308	53.184	906.651	3.993%	68.078%
22.0	1201.909	50.725	957.377	3.809%	71.887%
23.0	1077.320	47.824	1005.201	3.591%	75.478%
24.0	956.820	44.474	1049.675	3.339%	78.818%
25.0	831.520	40.663	1090.338	3.053%	81.871%
26.0	709.090	36.366	1126.704	2.731%	84.602%
27.0	592.982	31.855	1158.559	2.392%	86.994%
28.0	487.131	27.346	1185.905	2.053%	89.047%
29.0	388.847	22.918	1208.824	1.721%	90.768%
30.0	311.915	18.920	1227.744	1.421%	92.188%
31.0	248.999	15.609	1243.353	1.172%	93.361%
32.0	202.256	12.928	1256.281	.971%	94.331%
33.0	163.054	10.762	1267.044	.808%	95.139%
34.0	132.967	8.958	1276.002	.673%	95.812%
35.0	107.856	7.479	1283.481	.562%	96.374%
36.0	88.357	6.247	1289.729	.469%	96.843%
37.0	70.889	5.194	1294.922	.390%	97.233%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	58.676	4.325	1299.247	.325%	97.557%
39.0	49.231	3.683	1302.93	.277%	97.834%
40.0	41.766	3.174	1306.104	.238%	98.072%
41.0	35.876	2.765	1308.869	.208%	98.280%
42.0	31.052	2.432	1311.3	.183%	98.463%
43.0	27.269	2.160	1313.461	.162%	98.625%
44.0	24.044	1.937	1315.397	.145%	98.770%
45.0	21.251	1.741	1317.138	.131%	98.901%
46.0	18.789	1.566	1318.704	.118%	99.018%
47.0	16.630	1.409	1320.113	.106%	99.124%
48.0	14.701	1.267	1321.379	.095%	99.219%
49.0	12.898	1.133	1322.513	.085%	99.304%
50.0	11.451	1.015	1323.528	.076%	99.381%
51.0	10.054	0.910	1324.438	.068%	99.449%
52.0	8.709	0.805	1325.243	.060%	99.509%
53.0	7.668	0.712	1325.955	.053%	99.563%
54.0	6.728	0.635	1326.59	.048%	99.611%
55.0	5.890	0.563	1327.153	.042%	99.653%
56.0	5.027	0.493	1327.646	.037%	99.690%
57.0	4.367	0.430	1328.076	.032%	99.722%
58.0	3.758	0.376	1328.452	.028%	99.750%
59.0	3.174	0.324	1328.776	.024%	99.775%
60.0	2.539	0.270	1329.045	.020%	99.795%
61.0	2.057	0.219	1329.265	.016%	99.811%
62.0	1.625	0.177	1329.442	.013%	99.825%
63.0	1.269	0.141	1329.583	.011%	99.835%
64.0	0.863	0.105	1329.688	.008%	99.843%
65.0	0.482	0.067	1329.754	.005%	99.848%
66.0	0.152	0.032	1329.786	.002%	99.851%
67.0	0.051	0.010	1329.796	.001%	99.851%
68.0	0.000	0.003	1329.799	.000%	99.852%
69.0	0.000	0.000	1329.799	.000%	99.852%
70.0	0.000	0.000	1329.799	.000%	99.852%
71.0	0.000	0.000	1329.799	.000%	99.852%
72.0	0.000	0.000	1329.799	.000%	99.852%
73.0	0.000	0.000	1329.799	.000%	99.852%
74.0	0.000	0.000	1329.799	.000%	99.852%
75.0	0.000	0.000	1329.799	.000%	99.852%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.000	0.000	1329.799	.000%	99.852%
77.0	0.000	0.000	1329.799	.000%	99.852%
78.0	0.000	0.000	1329.799	.000%	99.852%
79.0	0.000	0.000	1329.799	.000%	99.852%
80.0	0.000	0.000	1329.799	.000%	99.852%
81.0	0.000	0.000	1329.799	.000%	99.852%
82.0	0.000	0.000	1329.799	.000%	99.852%
83.0	0.000	0.000	1329.799	.000%	99.852%
84.0	0.000	0.000	1329.799	.000%	99.852%
85.0	0.000	0.000	1329.799	.000%	99.852%
86.0	0.000	0.000	1329.799	.000%	99.852%
87.0	0.000	0.000	1329.799	.000%	99.852%
88.0	0.000	0.000	1329.799	.000%	99.852%
89.0	0.000	0.000	1329.799	.000%	99.852%
90.0	0.000	0.000	1329.799	.000%	99.852%
91.0	0.000	0.000	1329.799	.000%	99.852%
92.0	0.000	0.000	1329.799	.000%	99.852%
93.0	0.000	0.000	1329.799	.000%	99.852%
94.0	0.000	0.000	1329.799	.000%	99.852%
95.0	0.000	0.000	1329.799	.000%	99.852%
96.0	0.000	0.000	1329.799	.000%	99.852%
97.0	0.000	0.000	1329.799	.000%	99.852%
98.0	0.000	0.000	1329.799	.000%	99.852%
99.0	0.000	0.000	1329.799	.000%	99.852%
100.0	0.000	0.000	1329.799	.000%	99.852%
101.0	0.000	0.000	1329.799	.000%	99.852%
102.0	0.000	0.000	1329.799	.000%	99.852%
103.0	0.000	0.000	1329.799	.000%	99.852%
104.0	0.000	0.000	1329.799	.000%	99.852%
105.0	0.000	0.000	1329.799	.000%	99.852%
106.0	0.000	0.000	1329.799	.000%	99.852%
107.0	0.000	0.000	1329.799	.000%	99.852%
108.0	0.000	0.000	1329.799	.000%	99.852%
109.0	0.000	0.000	1329.799	.000%	99.852%
110.0	0.000	0.000	1329.799	.000%	99.852%
111.0	0.000	0.000	1329.799	.000%	99.852%
112.0	0.000	0.000	1329.799	.000%	99.852%
113.0	0.000	0.000	1329.799	.000%	99.852%

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	1329.799	.000%	99.852%
115.0	0.000	0.000	1329.799	.000%	99.852%
116.0	0.000	0.000	1329.799	.000%	99.852%
117.0	0.000	0.000	1329.799	.000%	99.852%
118.0	0.000	0.000	1329.799	.000%	99.852%
119.0	0.000	0.000	1329.799	.000%	99.852%
120.0	0.000	0.000	1329.799	.000%	99.852%
121.0	0.000	0.000	1329.799	.000%	99.852%
122.0	0.000	0.000	1329.799	.000%	99.852%
123.0	0.000	0.000	1329.799	.000%	99.852%
124.0	0.000	0.000	1329.799	.000%	99.852%
125.0	0.000	0.000	1329.799	.000%	99.852%
126.0	0.000	0.000	1329.799	.000%	99.852%
127.0	0.000	0.000	1329.799	.000%	99.852%
128.0	0.000	0.000	1329.799	.000%	99.852%
129.0	0.000	0.000	1329.799	.000%	99.852%
130.0	0.000	0.000	1329.799	.000%	99.852%
131.0	0.000	0.000	1329.799	.000%	99.852%
132.0	0.000	0.000	1329.799	.000%	99.852%
133.0	0.000	0.000	1329.799	.000%	99.852%
134.0	0.000	0.000	1329.799	.000%	99.852%
135.0	0.000	0.000	1329.799	.000%	99.852%
136.0	0.000	0.000	1329.799	.000%	99.852%
137.0	0.000	0.000	1329.799	.000%	99.852%
138.0	0.051	0.002	1329.801	.000%	99.852%
139.0	0.000	0.002	1329.802	.000%	99.852%
140.0	0.051	0.002	1329.804	.000%	99.852%
141.0	0.025	0.003	1329.807	.000%	99.852%
142.0	0.178	0.007	1329.814	.001%	99.853%
143.0	0.229	0.014	1329.827	.001%	99.854%
144.0	0.229	0.015	1329.842	.001%	99.855%
145.0	0.305	0.017	1329.859	.001%	99.856%
146.0	0.432	0.023	1329.882	.002%	99.858%
147.0	0.457	0.027	1329.909	.002%	99.860%
148.0	0.635	0.032	1329.941	.002%	99.862%
149.0	0.635	0.036	1329.978	.003%	99.865%
150.0	0.838	0.041	1330.018	.003%	99.868%
151.0	1.016	0.050	1330.069	.004%	99.872%

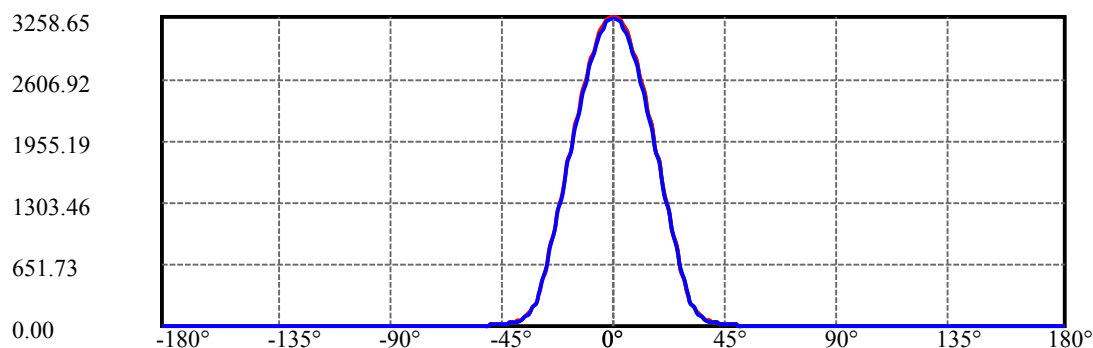
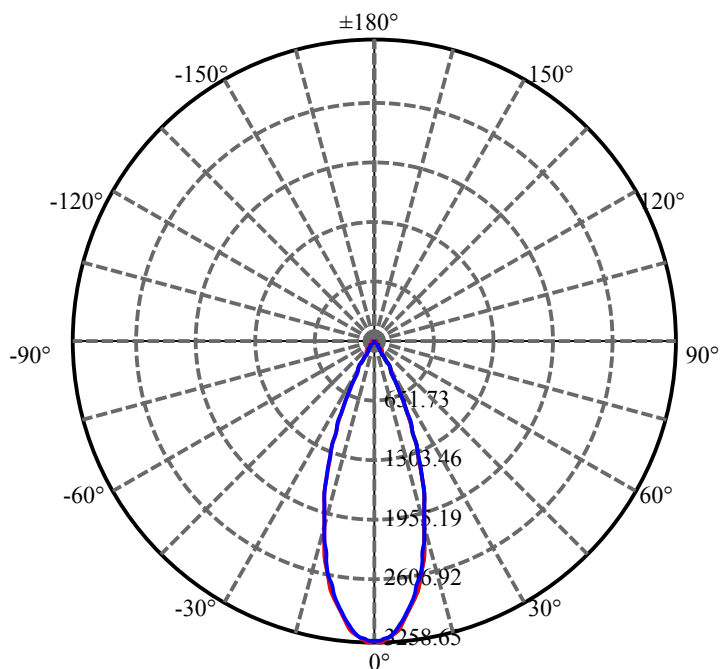
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	1.041	0.054	1330.122	.004%	99.876%
153.0	1.244	0.058	1330.18	.004%	99.880%
154.0	1.422	0.065	1330.245	.005%	99.885%
155.0	1.498	0.069	1330.314	.005%	99.890%
156.0	1.625	0.071	1330.385	.005%	99.896%
157.0	1.828	0.075	1330.461	.006%	99.901%
158.0	1.980	0.080	1330.541	.006%	99.907%
159.0	2.082	0.082	1330.622	.006%	99.913%
160.0	2.158	0.081	1330.704	.006%	99.920%
161.0	2.285	0.081	1330.785	.006%	99.926%
162.0	2.412	0.082	1330.867	.006%	99.932%
163.0	2.590	0.082	1330.949	.006%	99.938%
164.0	2.666	0.082	1331.031	.006%	99.944%
165.0	2.742	0.079	1331.11	.006%	99.950%
166.0	2.869	0.077	1331.187	.006%	99.956%
167.0	2.945	0.074	1331.262	.006%	99.961%
168.0	2.996	0.071	1331.332	.005%	99.967%
169.0	3.047	0.066	1331.398	.005%	99.972%
170.0	3.250	0.063	1331.461	.005%	99.976%
171.0	3.225	0.059	1331.52	.004%	99.981%
172.0	3.301	0.053	1331.573	.004%	99.985%
173.0	3.301	0.047	1331.62	.004%	99.988%
174.0	3.351	0.041	1331.661	.003%	99.991%
175.0	3.351	0.035	1331.697	.003%	99.994%
176.0	3.453	0.029	1331.726	.002%	99.996%
177.0	3.225	0.022	1331.748	.002%	99.998%
178.0	3.199	0.015	1331.764	.001%	99.999%
179.0	3.148	0.009	1331.773	.001%	100.000%
180.0	3.250	0.003	1331.776	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1227.74	92.19%
0-40	1306.10	98.07%
0-60	1329.05	99.79%
0-90	1329.80	99.85%
0-120	1329.80	99.85%
0-180	1331.78	100.00%
60-90	1.02	0.08%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.22	0.02%
90-180	1.97	0.15%
0-24.39	1065.42	80.00%

ZONAL LUMEN SUMMARY

0-10	282.19
10-20	571.28
20-30	374.28
30-40	78.36
40-50	17.42
50-60	5.52
60-70	0.75
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.01
140-150	0.21
150-160	0.69
160-170	0.76
170-180	0.31



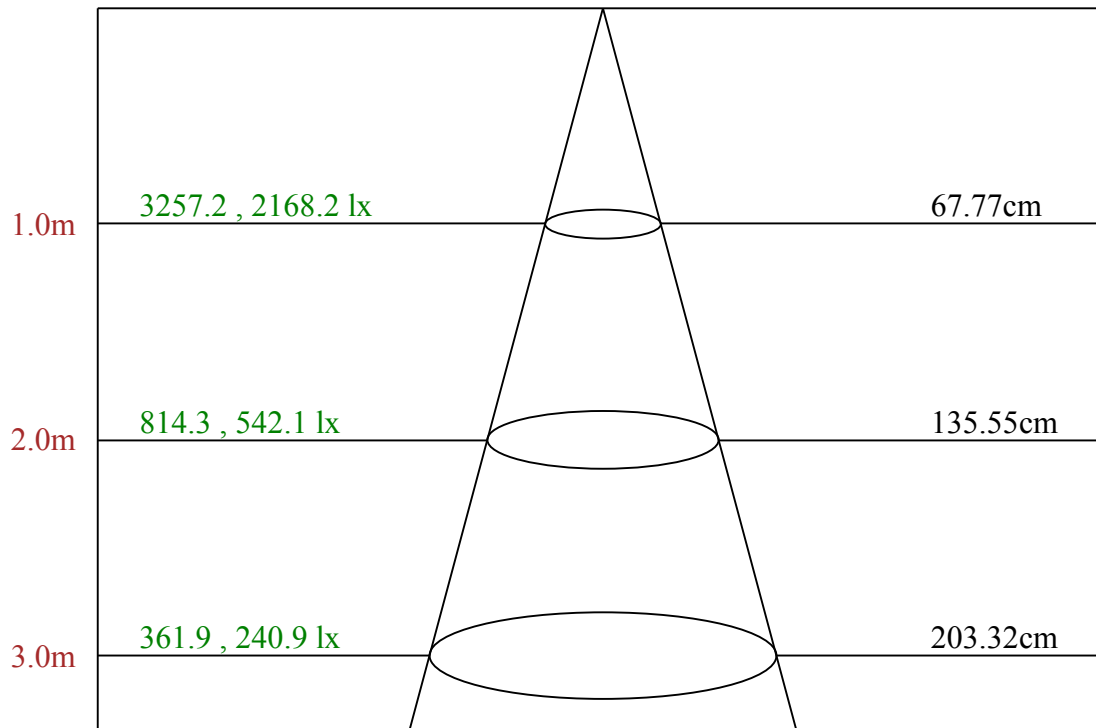
C0(Max): ———

C0/C180: ———

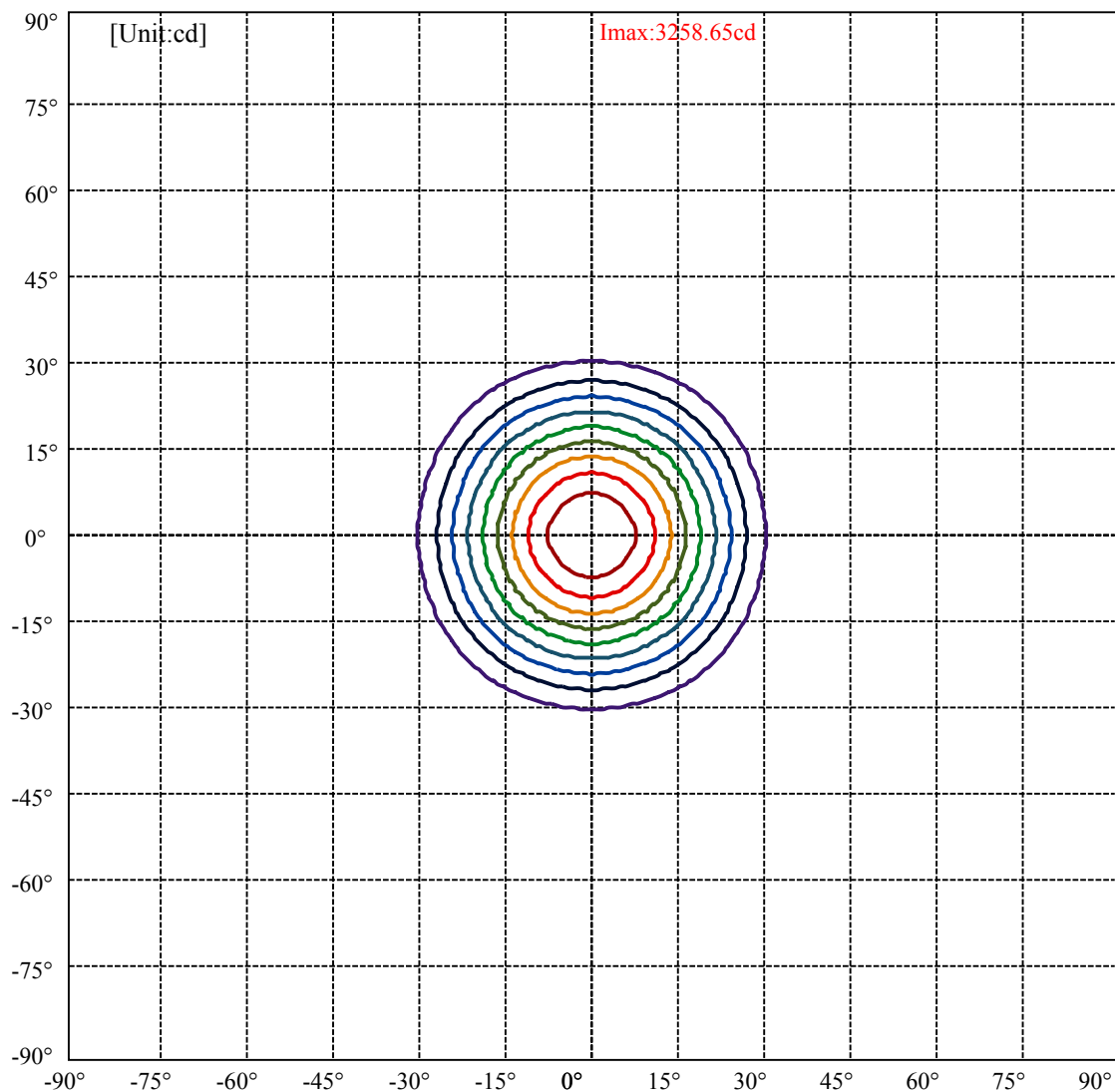
C90/C270: ———

Field angle(10%Imax):C0/180Left:29.9 Right:29.9
:C90/270Left:29.9 Right:29.9

Beam Angle(50%Imax):C0/180Left:18.8 Right:18.8
:C90/270Left:18.7 Right:18.7



Max , Ave Beam angle of C0 plane 37.44

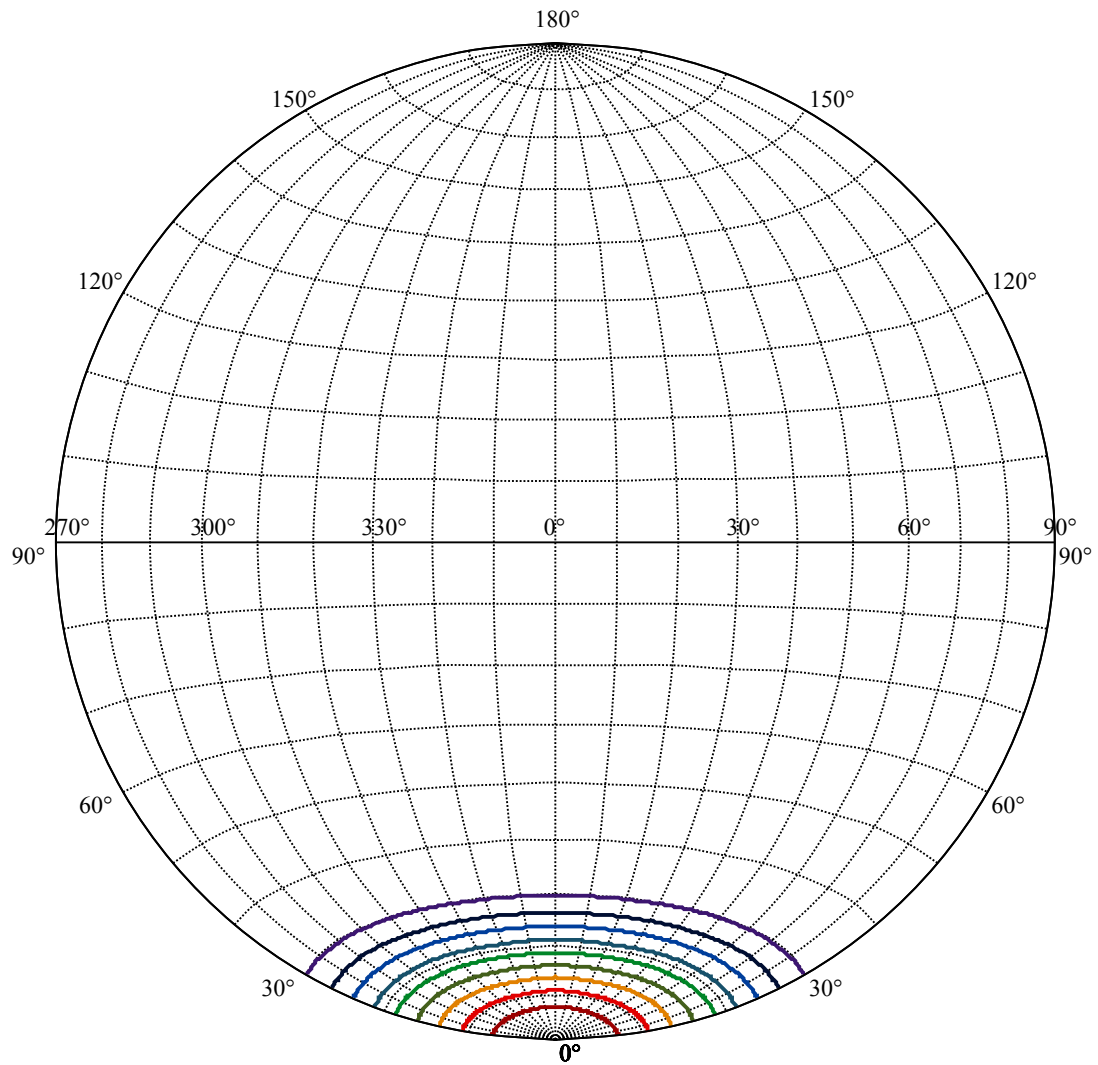


(10%Imax)	325.865	—
(20%Imax)	651.729	—
(30%Imax)	977.594	—
(40%Imax)	1303.46	—
(50%Imax)	1629.32	—
(60%Imax)	1955.19	—
(70%Imax)	2281.05	—
(80%Imax)	2606.92	—
(90%Imax)	2932.78	—

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25












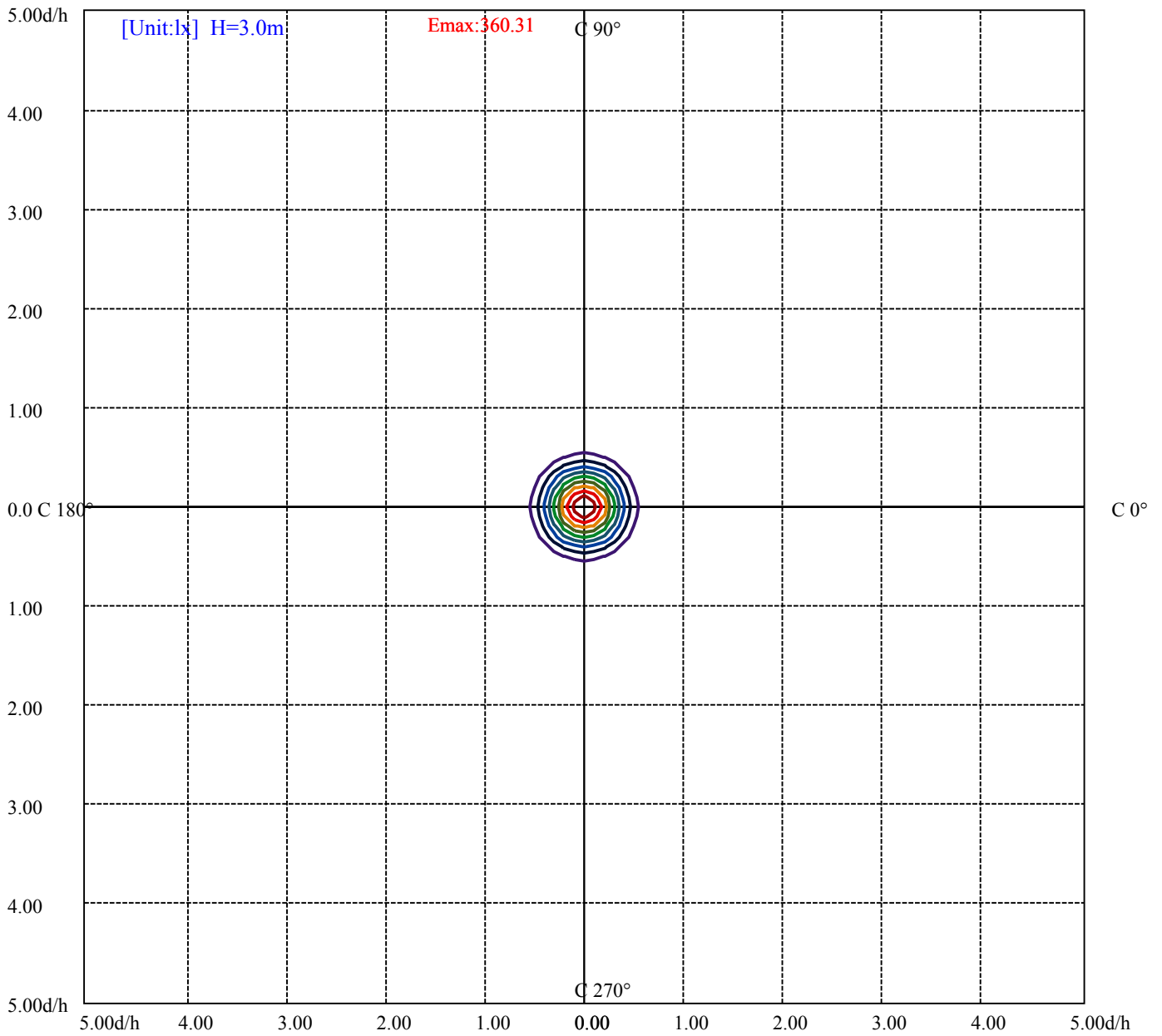
House

[Unit:cd]

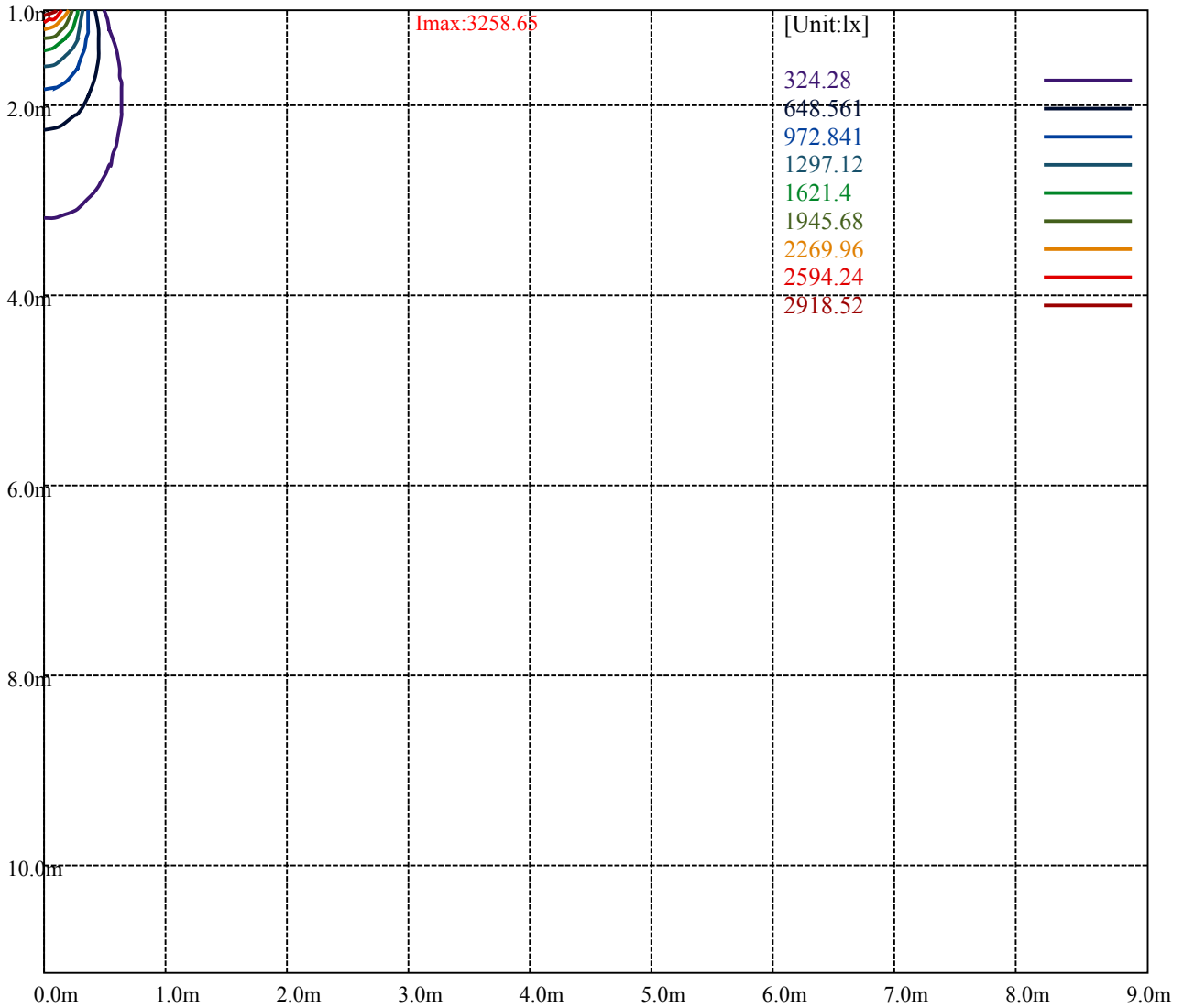
Road

Imax:3258.65

(10%Imax)	325.865	
(20%Imax)	651.729	
(30%Imax)	977.594	
(40%Imax)	1303.46	
(50%Imax)	1629.32	
(60%Imax)	1955.19	
(70%Imax)	2281.05	
(80%Imax)	2606.92	
(90%Imax)	2932.78	



(10%Emax) 36.03111	—
(20%Emax) 72.06223	—
(30%Emax) 108.0934	—
(40%Emax) 144.1245	—
(50%Emax) 180.1556	—
(60%Emax) 216.1867	—
(70%Emax) 252.2178	—
(80%Emax) 288.2489	—
(90%Emax) 324.28	—



Luminance Table

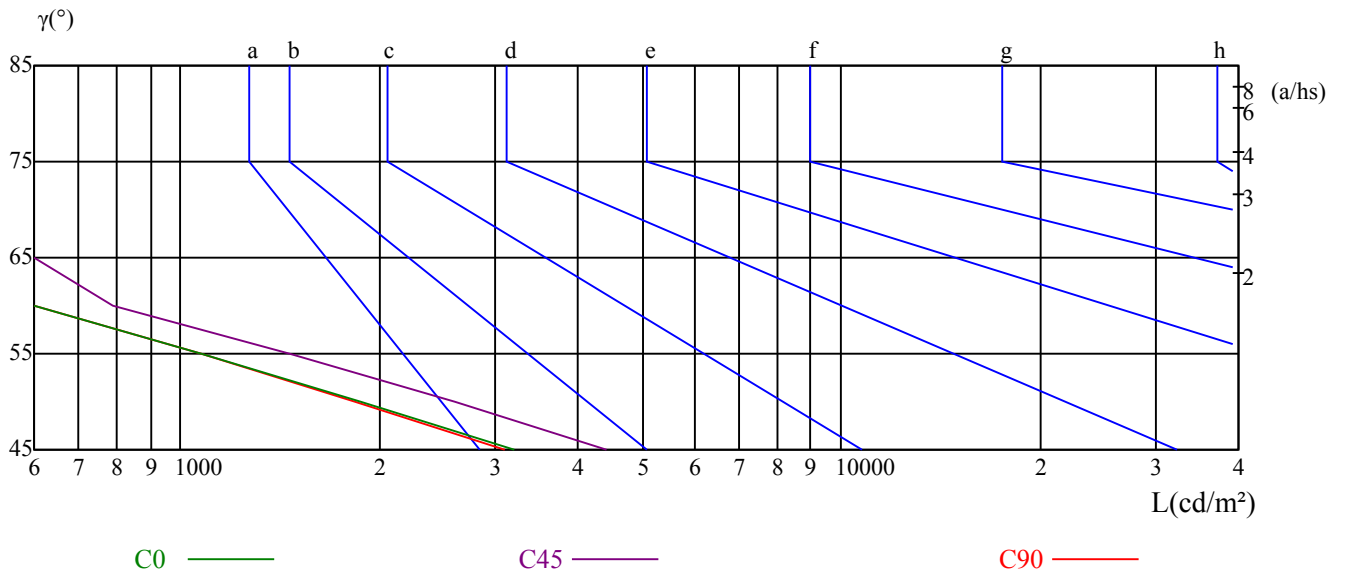
γ	45	50	55	60	65	70	75	80	85
C0	3205	1878	1074	493	58	0	0	0	0
C45	4424	2606	1460	788	291	0	0	0	0
C90	3100	1839	1074	493	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
58	0	291	0	0	0	0	0	0

Glare Table

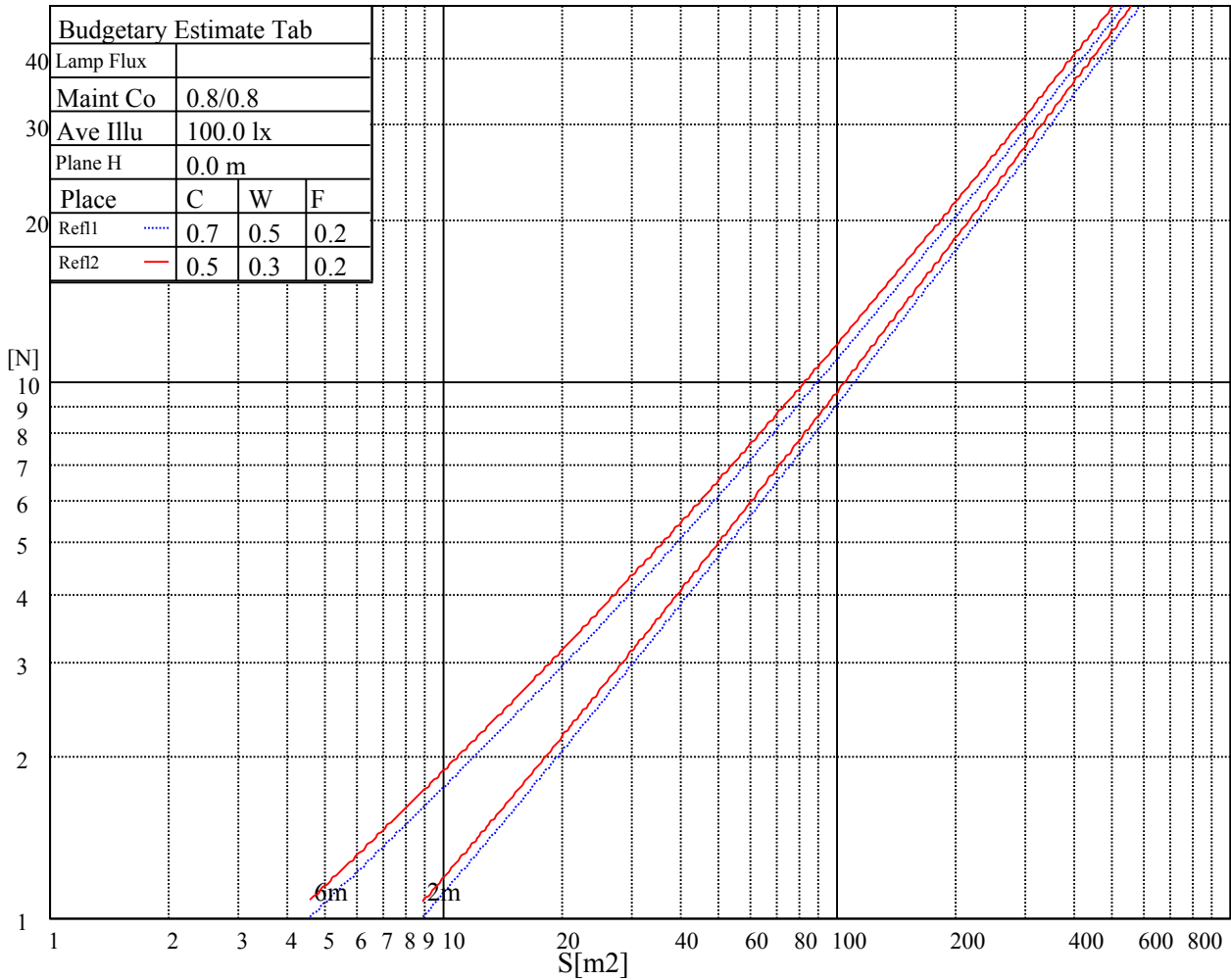
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

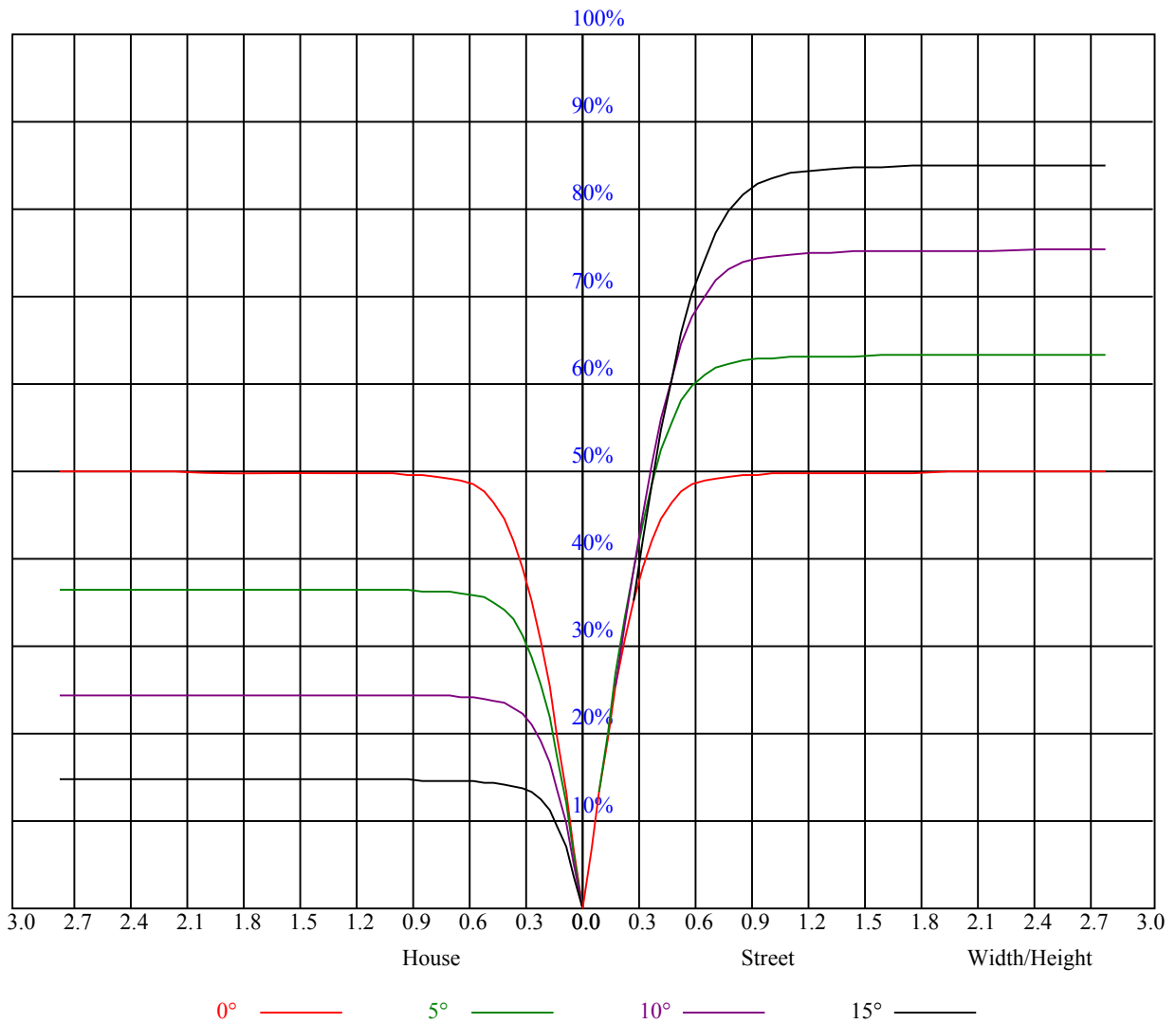


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	-2.38	-1.48	-2.01	-1.17	-0.85	-2.27	-1.37	-1.90	-1.06	-0.74
	3H	-2.59	-1.80	-2.21	-1.47	-1.10	-2.48	-1.69	-2.09	-1.35	-0.98
	4H	-2.70	-1.97	-2.29	-1.62	-1.22	-2.59	-1.86	-2.18	-1.50	-1.11
	6H	-2.82	-2.15	-2.40	-1.77	-1.38	-2.71	-2.04	-2.29	-1.66	-1.26
	8H	-2.88	-2.26	-2.44	-1.86	-1.45	-2.77	-2.14	-2.33	-1.75	-1.34
	12H	-2.94	-2.35	-2.51	-1.96	-1.53	-2.83	-2.23	-2.39	-1.85	-1.42
4H	2H	-2.57	-1.84	-2.16	-1.48	-1.09	-2.46	-1.73	-2.05	-1.38	-0.98
	3H	-2.79	-2.20	-2.38	-1.79	-1.38	-2.68	-2.09	-2.27	-1.68	-1.27
	4H	-2.92	-2.39	-2.48	-1.97	-1.52	-2.82	-2.29	-2.38	-1.86	-1.41
	6H	-3.04	-2.59	-2.57	-2.14	-1.66	-2.93	-2.48	-2.46	-2.03	-1.55
	8H	-3.12	-2.70	-2.64	-2.25	-1.77	-3.01	-2.59	-2.53	-2.14	-1.66
	12H	-3.19	-2.83	-2.70	-2.34	-1.86	-3.08	-2.72	-2.59	-2.23	-1.75
8H	4H	-3.12	-2.70	-2.64	-2.25	-1.77	-3.01	-2.59	-2.53	-2.14	-1.66
	6H	-3.25	-2.92	-2.74	-2.42	-1.93	-3.14	-2.81	-2.63	-2.31	-1.82
	8H	-3.33	-3.04	-2.79	-2.51	-2.01	-3.22	-2.93	-2.68	-2.40	-1.90
	12H	-3.27	-3.02	-2.75	-2.52	-1.94	-3.14	-2.89	-2.62	-2.39	-1.81
12H	4H	-3.19	-2.83	-2.70	-2.34	-1.86	-3.08	-2.72	-2.59	-2.23	-1.75
	6H	-3.15	-3.03	-2.79	-2.56	-2.01	-3.04	-2.92	-2.68	-2.45	-1.90
	8H	-3.39	-3.14	-2.86	-2.64	-2.05	-3.28	-3.03	-2.75	-2.53	-1.95

UGR calculation is based on CIE Publ. 190 ,S/H = 1



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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.06	1.03	1.00	1.04	1.01	0.99	1.01	0.99	0.97	0.98	0.96	0.95	0.96	0.94	0.93	0.91
3	1.01	0.97	0.93	0.99	0.96	0.93	0.97	0.94	0.91	0.94	0.92	0.90	0.92	0.90	0.88	0.87
4	0.96	0.91	0.88	0.95	0.91	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.83
5	0.91	0.87	0.83	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.79
6	0.87	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.76
7	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.73
8	0.80	0.75	0.72	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.70
9	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
10	0.74	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.65



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	3242.80	3258.65	3239.55	3208.48	3169.07	3121.13	3055.12	2976.92	2902.37
22.5	3242.80	3235.08	3214.77	3185.32	3141.45	3087.01	3029.32	2957.22	2881.05
45.0	3242.80	3238.54	3221.27	3188.57	3145.91	3092.09	3027.09	2949.09	2871.70
67.5	3242.80	3237.93	3219.65	3189.38	3142.87	3084.98	3021.20	2949.09	2864.59
90.0	3242.80	3235.90	3220.46	3191.82	3145.10	3083.56	3023.23	2955.59	2879.22
112.5	3242.80	3237.93	3219.65	3189.38	3142.87	3084.98	3021.20	2949.09	2864.59
135.0	3242.80	3238.54	3221.27	3188.57	3145.91	3092.09	3027.09	2949.09	2871.70
157.5	3242.80	3235.08	3214.77	3185.32	3141.45	3087.01	3029.32	2957.22	2881.05
180.0	3242.80	3258.65	3239.55	3208.48	3169.07	3121.13	3055.12	2976.92	2902.37
202.5	3242.80	3235.08	3214.77	3185.32	3141.45	3087.01	3029.32	2957.22	2881.05
225.0	3242.80	3238.54	3221.27	3188.57	3145.91	3092.09	3027.09	2949.09	2871.70
247.5	3242.80	3237.93	3219.65	3189.38	3142.87	3084.98	3021.20	2949.09	2864.59
270.0	3242.80	3235.90	3220.46	3191.82	3145.10	3083.56	3023.23	2955.59	2879.22
292.5	3242.80	3237.93	3219.65	3189.38	3142.87	3084.98	3021.20	2949.09	2864.59
315.0	3242.80	3238.54	3221.27	3188.57	3145.91	3092.09	3027.09	2949.09	2871.70
337.5	3242.80	3235.08	3214.77	3185.32	3141.45	3087.01	3029.32	2957.22	2881.05
360.0	3242.80	3258.65	3239.55	3208.48	3169.07	3121.13	3055.12	2976.92	2902.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2816.86	2716.52	2605.82	2494.71	2380.36	2242.03	2121.38	1976.96	1850.62
22.5	2766.49	2681.38	2579.41	2457.75	2339.12	2212.58	2093.35	1955.84	1823.00
45.0	2780.50	2671.02	2569.46	2462.01	2339.94	2212.58	2084.01	1957.87	1830.51
67.5	2762.43	2678.33	2567.84	2451.86	2334.05	2218.27	2088.88	1958.68	1826.25
90.0	2780.30	2686.05	2580.23	2446.78	2335.26	2218.88	2082.38	1962.13	1839.65
112.5	2781.11	2678.33	2567.84	2451.86	2334.05	2218.27	2088.88	1958.68	1826.25
135.0	2811.58	2671.02	2569.46	2462.01	2339.94	2212.58	2084.01	1957.87	1830.51
157.5	2794.52	2681.38	2579.41	2457.75	2339.12	2212.58	2093.35	1955.84	1823.00
180.0	2816.86	2716.52	2605.82	2494.71	2380.36	2242.03	2121.38	1976.96	1850.62
202.5	2766.49	2681.38	2579.41	2457.75	2339.12	2212.58	2093.35	1955.84	1823.00
225.0	2780.50	2671.02	2569.46	2462.01	2339.94	2212.58	2084.01	1957.87	1830.51
247.5	2762.43	2678.33	2567.84	2451.86	2334.05	2218.27	2088.88	1958.68	1826.25
270.0	2780.30	2686.05	2580.23	2446.78	2335.26	2218.88	2082.38	1962.13	1839.65
292.5	2788.02	2678.33	2567.84	2451.86	2334.05	2218.27	2088.88	1958.68	1826.25
315.0	2787.41	2671.02	2569.46	2462.01	2339.94	2212.58	2084.01	1957.87	1830.51
337.5	2794.52	2681.38	2579.41	2457.75	2339.12	2212.58	2093.35	1955.84	1823.00
360.0	2816.86	2716.52	2605.82	2494.71	2380.36	2242.03	2121.38	1976.96	1850.62

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1733.42	1588.80	1459.62	1351.56	1215.87	1082.42	967.26	849.04	720.46
22.5	1699.70	1571.74	1452.30	1311.54	1196.17	1082.22	957.30	830.96	704.01
45.0	1701.53	1573.36	1453.12	1321.90	1196.17	1070.64	953.85	816.54	700.15
67.5	1697.67	1561.58	1432.40	1316.21	1201.65	1076.74	951.61	835.84	716.20
90.0	1715.75	1583.72	1443.98	1327.59	1211.40	1076.94	961.77	836.45	711.53
112.5	1697.67	1561.58	1432.40	1316.21	1201.65	1076.74	951.61	835.84	716.20
135.0	1701.53	1573.36	1453.12	1321.90	1196.17	1070.64	953.85	816.54	700.15
157.5	1699.70	1571.74	1452.30	1311.54	1196.17	1082.22	957.30	830.96	704.01
180.0	1733.42	1588.80	1459.62	1351.56	1215.87	1082.42	967.26	849.04	720.46
202.5	1699.70	1571.74	1452.30	1311.54	1196.17	1082.22	957.30	830.96	704.01
225.0	1701.53	1573.36	1453.12	1321.90	1196.17	1070.64	953.85	816.54	700.15
247.5	1697.67	1561.58	1432.40	1316.21	1201.65	1076.74	951.61	835.84	716.20
270.0	1715.75	1583.72	1443.98	1327.59	1211.40	1076.94	961.77	836.45	711.53
292.5	1697.67	1561.58	1432.40	1316.21	1201.65	1076.74	951.61	835.84	716.20
315.0	1701.53	1573.36	1453.12	1321.90	1196.17	1070.64	953.85	816.54	700.15
337.5	1699.70	1571.74	1452.30	1311.54	1196.17	1082.22	957.30	830.96	704.01
360.0	1733.42	1588.80	1459.62	1351.56	1215.87	1082.42	967.26	849.04	720.46

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	594.12	487.69	393.65	315.24	236.84	197.64	161.07	134.06	110.09
22.5	591.89	483.83	382.07	305.90	247.40	200.48	161.07	133.45	106.64
45.0	584.78	487.49	385.11	312.80	251.87	205.96	163.10	134.67	110.90
67.5	597.37	487.89	391.61	313.62	253.70	202.92	165.34	133.45	110.09
90.0	601.64	490.94	399.54	315.44	249.23	201.70	164.32	126.54	97.50
112.5	597.37	487.89	391.61	313.62	253.70	202.92	165.34	133.45	110.09
135.0	584.78	487.49	385.11	312.80	251.87	205.96	163.10	134.67	110.90
157.5	591.89	483.83	382.07	305.90	247.40	200.48	161.07	133.45	106.64
180.0	594.12	487.69	393.65	315.24	236.84	197.64	161.07	134.06	110.09
202.5	591.89	483.83	382.07	305.90	247.40	200.48	161.07	133.45	106.64
225.0	584.78	487.49	385.11	312.80	251.87	205.96	163.10	134.67	110.90
247.5	597.37	487.89	391.61	313.62	253.70	202.92	165.34	133.45	110.09
270.0	601.64	490.94	399.54	315.44	249.23	201.70	164.32	126.54	97.50
292.5	597.37	487.89	391.61	313.62	253.70	202.92	165.34	133.45	110.09
315.0	584.78	487.49	385.11	312.80	251.87	205.96	163.10	134.67	110.90
337.5	591.89	483.83	382.07	305.90	247.40	200.48	161.07	133.45	106.64
360.0	594.12	487.69	393.65	315.24	236.84	197.64	161.07	134.06	110.09
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	88.15	66.01	53.62	44.69	38.19	31.89	27.62	24.37	21.12
22.5	88.97	74.34	61.14	50.78	42.86	36.36	30.87	26.81	23.56
45.0	92.22	74.75	63.78	54.64	47.12	41.03	36.16	32.30	28.84
67.5	90.59	71.29	58.09	48.55	40.62	34.73	30.06	26.00	22.95
90.0	75.15	60.33	49.76	41.23	34.73	30.87	26.61	23.56	20.52
112.5	90.59	71.29	58.09	48.55	40.62	34.73	30.06	26.00	22.95
135.0	92.22	74.75	63.78	54.64	47.12	41.03	36.16	32.30	28.84
157.5	88.97	74.34	61.14	50.78	42.86	36.36	30.87	26.81	23.56
180.0	88.15	66.01	53.62	44.69	38.19	31.89	27.62	24.37	21.12
202.5	88.97	74.34	61.14	50.78	42.86	36.36	30.87	26.81	23.56
225.0	92.22	74.75	63.78	54.64	47.12	41.03	36.16	32.30	28.84
247.5	90.59	71.29	58.09	48.55	40.62	34.73	30.06	26.00	22.95
270.0	75.15	60.33	49.76	41.23	34.73	30.87	26.61	23.56	20.52
292.5	90.59	71.29	58.09	48.55	40.62	34.73	30.06	26.00	22.95
315.0	92.22	74.75	63.78	54.64	47.12	41.03	36.16	32.30	28.84
337.5	88.97	74.34	61.14	50.78	42.86	36.36	30.87	26.81	23.56
360.0	88.15	66.01	53.62	44.69	38.19	31.89	27.62	24.37	21.12
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	18.69	16.66	14.62	13.00	11.37	9.95	8.94	7.52	6.70
22.5	20.72	18.28	16.25	14.42	12.59	11.17	9.95	8.53	7.52
45.0	25.80	22.95	20.52	17.87	15.64	13.81	12.19	10.36	9.14
67.5	20.11	17.67	15.44	13.81	12.19	10.97	9.34	8.33	7.31
90.0	18.08	15.84	14.02	12.39	10.97	9.75	8.53	7.72	6.70
112.5	20.11	17.67	15.44	13.81	12.19	10.97	9.34	8.33	7.31
135.0	25.80	22.95	20.52	17.87	15.64	13.81	12.19	10.36	9.14
157.5	20.72	18.28	16.25	14.42	12.59	11.17	9.95	8.53	7.52
180.0	18.69	16.66	14.62	13.00	11.37	9.95	8.94	7.52	6.70
202.5	20.72	18.28	16.25	14.42	12.59	11.17	9.95	8.53	7.52
225.0	25.80	22.95	20.52	17.87	15.64	13.81	12.19	10.36	9.14
247.5	20.11	17.67	15.44	13.81	12.19	10.97	9.34	8.33	7.31
270.0	18.08	15.84	14.02	12.39	10.97	9.75	8.53	7.72	6.70
292.5	20.11	17.67	15.44	13.81	12.19	10.97	9.34	8.33	7.31
315.0	25.80	22.95	20.52	17.87	15.64	13.81	12.19	10.36	9.14
337.5	20.72	18.28	16.25	14.42	12.59	11.17	9.95	8.53	7.52
360.0	18.69	16.66	14.62	13.00	11.37	9.95	8.94	7.52	6.70

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	5.89	5.08	4.27	3.66	2.84	2.44	2.03	1.42	1.02
22.5	6.70	5.89	5.08	4.27	3.66	3.25	2.44	2.03	1.62
45.0	7.92	6.91	5.89	5.28	4.67	3.86	3.25	2.64	2.23
67.5	6.50	5.69	4.87	4.27	3.66	3.05	2.44	2.03	1.62
90.0	5.69	5.08	4.27	3.66	3.25	2.64	2.03	1.62	1.02
112.5	6.50	5.69	4.87	4.27	3.66	3.05	2.44	2.03	1.62
135.0	7.92	6.91	5.89	5.28	4.67	3.86	3.25	2.64	2.23
157.5	6.70	5.89	5.08	4.27	3.66	3.25	2.44	2.03	1.62
180.0	5.89	5.08	4.27	3.66	2.84	2.44	2.03	1.42	1.02
202.5	6.70	5.89	5.08	4.27	3.66	3.25	2.44	2.03	1.62
225.0	7.92	6.91	5.89	5.28	4.67	3.86	3.25	2.64	2.23
247.5	6.50	5.69	4.87	4.27	3.66	3.05	2.44	2.03	1.62
270.0	5.69	5.08	4.27	3.66	3.25	2.64	2.03	1.62	1.02
292.5	6.50	5.69	4.87	4.27	3.66	3.05	2.44	2.03	1.62
315.0	7.92	6.91	5.89	5.28	4.67	3.86	3.25	2.64	2.23
337.5	6.70	5.89	5.08	4.27	3.66	3.25	2.44	2.03	1.62
360.0	5.89	5.08	4.27	3.66	2.84	2.44	2.03	1.42	1.02
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.81	0.41	0.20	0.00	0.00	0.00	0.00	0.00	0.00
22.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
45.0	1.83	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
67.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
135.0	1.83	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
157.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.81	0.41	0.20	0.00	0.00	0.00	0.00	0.00	0.00
202.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
225.0	1.83	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
247.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
315.0	1.83	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
337.5	1.22	0.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.81	0.41	0.20	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	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
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	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
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.41
22.5	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.20	0.20
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
157.5	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.20	0.20
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.41
202.5	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.20	0.20
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
337.5	0.00	0.00	0.00	0.20	0.00	0.20	0.00	0.20	0.20
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.41
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.20	0.41	0.61	0.61	0.61	0.81	1.02	1.02	1.22
22.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
45.0	0.20	0.41	0.41	0.41	0.61	0.61	0.81	1.02	1.02
67.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
90.0	0.41	0.41	0.41	0.61	0.81	0.61	0.81	1.02	1.02
112.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
135.0	0.20	0.41	0.41	0.41	0.61	0.61	0.81	1.02	1.02
157.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
180.0	0.20	0.41	0.61	0.61	0.61	0.81	1.02	1.02	1.22
202.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
225.0	0.20	0.41	0.41	0.41	0.61	0.61	0.81	1.02	1.02
247.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
270.0	0.41	0.41	0.41	0.61	0.81	0.61	0.81	1.02	1.02
292.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
315.0	0.20	0.41	0.41	0.41	0.61	0.61	0.81	1.02	1.02
337.5	0.20	0.20	0.41	0.41	0.61	0.61	0.81	1.02	1.02
360.0	0.20	0.41	0.61	0.61	0.61	0.81	1.02	1.02	1.22
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	1.22	1.42	1.42	1.62	1.83	2.03	2.03	2.03	2.23
22.5	1.22	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23
45.0	1.22	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.44
67.5	1.22	1.42	1.42	1.62	2.03	2.03	2.23	2.23	2.23
90.0	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.23
112.5	1.22	1.42	1.42	1.62	2.03	2.03	2.23	2.23	2.23
135.0	1.22	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.44
157.5	1.22	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23
180.0	1.22	1.42	1.42	1.62	1.83	2.03	2.03	2.03	2.23
202.5	1.22	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23
225.0	1.22	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.44
247.5	1.22	1.42	1.42	1.62	2.03	2.03	2.23	2.23	2.23
270.0	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.23
292.5	1.22	1.42	1.42	1.62	2.03	2.03	2.23	2.23	2.23
315.0	1.22	1.42	1.62	1.62	1.83	2.03	2.03	2.23	2.44
337.5	1.22	1.42	1.42	1.62	1.62	1.83	2.03	2.03	2.23
360.0	1.22	1.42	1.42	1.62	1.83	2.03	2.03	2.03	2.23

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	2.23	2.23	2.44	2.64	2.64	2.84	2.84	2.84	3.05
22.5	2.44	2.64	2.84	2.64	2.84	2.84	2.84	3.05	3.25
45.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
67.5	2.44	2.64	2.64	2.84	2.84	3.05	3.05	3.05	3.25
90.0	2.44	2.64	2.64	2.64	2.84	2.84	2.84	2.84	3.05
112.5	2.44	2.64	2.64	2.84	2.84	3.05	3.05	3.05	3.25
135.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
157.5	2.44	2.64	2.84	2.64	2.84	2.84	2.84	3.05	3.25
180.0	2.23	2.23	2.44	2.64	2.64	2.84	2.84	2.84	3.05
202.5	2.44	2.64	2.84	2.64	2.84	2.84	2.84	3.05	3.25
225.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
247.5	2.44	2.64	2.64	2.84	2.84	3.05	3.05	3.05	3.25
270.0	2.44	2.64	2.64	2.64	2.84	2.84	2.84	2.84	3.05
292.5	2.44	2.64	2.64	2.84	2.84	3.05	3.05	3.05	3.25
315.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
337.5	2.44	2.64	2.84	2.64	2.84	2.84	2.84	3.05	3.25
360.0	2.23	2.23	2.44	2.64	2.64	2.84	2.84	2.84	3.05

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	2.84	3.05	3.05	3.05	3.05	3.25	3.25	3.25	3.25
22.5	3.25	3.45	3.45	3.66	3.45	3.66	3.25	3.25	3.05
45.0	3.45	3.45	3.45	3.45	3.66	3.66	3.25	3.25	3.25
67.5	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.05	3.05
90.0	3.05	3.05	3.05	3.05	3.05	3.25	3.05	3.25	3.25
112.5	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.05	3.05
135.0	3.45	3.45	3.45	3.45	3.66	3.66	3.25	3.25	3.25
157.5	3.25	3.45	3.45	3.66	3.45	3.66	3.25	3.25	3.05
180.0	2.84	3.05	3.05	3.05	3.05	3.25	3.25	3.25	3.25
202.5	3.25	3.45	3.45	3.66	3.45	3.66	3.25	3.25	3.05
225.0	3.45	3.45	3.45	3.45	3.66	3.66	3.25	3.25	3.25
247.5	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.05	3.05
270.0	3.05	3.05	3.05	3.05	3.05	3.25	3.05	3.25	3.25
292.5	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.05	3.05
315.0	3.45	3.45	3.45	3.45	3.66	3.66	3.25	3.25	3.25
337.5	3.25	3.45	3.45	3.66	3.45	3.66	3.25	3.25	3.05
360.0	2.84	3.05	3.05	3.05	3.05	3.25	3.25	3.25	3.25

C/γ(°)	180.0
0.0	3.25
22.5	3.25
45.0	3.25
67.5	3.25
90.0	3.25
112.5	3.25
135.0	3.25
157.5	3.25
180.0	3.25
202.5	3.25
225.0	3.25
247.5	3.25
270.0	3.25
292.5	3.25
315.0	3.25
337.5	3.25
360.0	3.25