
Client: Light and Green
LumCAT: LG-7010 15°
Luminaire:
Report No: Voltage(V): 110.0000
Test No: Current(A): 0.0890
LampCAT: Power (W): 18.5300
Lamp flux(lm) PF: 0.9421
Number of Lamps: 1 Ballast type:
Length(mm): 266 Width(mm): 31
Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 1285.43, , Luminous Efficacy(lm/W): 69.37
Central intensity(cd): 9200.502, Maximum intensity(cd): 9203.548
Angle of maximum intensity: C=0.0 $\gamma=1.0$
Beam Angle(50%Imax): [C0/180]Total=16.8
 [C90/270]Total=15.8
Field angle(10%Imax): [C0/180]Total=37.6
 [C90/270]Total=38.0
Maximum s/h(1/2): C0_180=0.29 C90_270=0.27
Maximum s/h(1/4): C0_180=0.30 C90_270=0.30
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 : 99.802%

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9200.501	0.000	0	.000%	.000%
1.0	9124.306	8.768	8.768	.682%	.682%
2.0	8871.600	25.829	34.598	2.009%	2.692%
3.0	8452.463	41.433	76.031	3.223%	5.915%
4.0	7885.835	54.690	130.72	4.255%	10.169%
5.0	7197.971	64.890	195.61	5.048%	15.218%
6.0	6495.203	71.961	267.571	5.598%	20.816%
7.0	5694.836	75.663	343.235	5.886%	26.702%
8.0	4722.275	74.553	417.788	5.800%	32.502%
9.0	4087.107	71.395	489.183	5.554%	38.056%
10.0	3516.278	68.808	557.991	5.353%	43.409%
11.0	2918.980	64.301	622.293	5.002%	48.411%
12.0	2424.333	58.410	680.703	4.544%	52.955%
13.0	2023.578	52.785	733.488	4.106%	57.062%
14.0	1696.378	47.615	781.103	3.704%	60.766%
15.0	1443.342	43.103	824.207	3.353%	64.119%
16.0	1252.384	39.500	863.707	3.073%	67.192%
17.0	1104.513	36.703	900.41	2.855%	70.047%
18.0	1008.742	34.843	935.253	2.711%	72.758%
19.0	921.172	33.577	968.83	2.612%	75.370%
20.0	824.487	31.950	1000.78	2.486%	77.856%
21.0	759.565	30.417	1031.197	2.366%	80.222%
22.0	700.178	29.334	1060.531	2.282%	82.504%
23.0	640.157	28.124	1088.655	2.188%	84.692%
24.0	575.691	26.583	1115.238	2.068%	86.760%
25.0	505.387	24.581	1139.819	1.912%	88.672%
26.0	433.406	22.160	1161.979	1.724%	90.396%
27.0	356.246	19.319	1181.298	1.503%	91.899%
28.0	288.937	16.335	1197.633	1.271%	93.170%
29.0	224.955	13.445	1211.078	1.046%	94.216%
30.0	175.368	10.809	1221.887	.841%	95.057%
31.0	136.141	8.669	1230.556	.674%	95.731%
32.0	108.618	7.012	1237.568	.546%	96.277%
33.0	88.154	5.797	1243.365	.451%	96.728%
34.0	72.488	4.862	1248.226	.378%	97.106%
35.0	59.895	4.111	1252.337	.320%	97.426%
36.0	50.424	3.513	1255.85	.273%	97.699%
37.0	43.011	3.047	1258.897	.237%	97.936%

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	37.120	2.675	1261.572	.208%	98.144%
39.0	32.169	2.365	1263.937	.184%	98.328%
40.0	28.208	2.106	1266.043	.164%	98.492%
41.0	24.933	1.892	1267.935	.147%	98.639%
42.0	22.140	1.710	1269.645	.133%	98.772%
43.0	19.855	1.556	1271.201	.121%	98.893%
44.0	17.544	1.412	1272.612	.110%	99.003%
45.0	15.513	1.270	1273.883	.099%	99.102%
46.0	13.787	1.146	1275.029	.089%	99.191%
47.0	12.162	1.032	1276.061	.080%	99.271%
48.0	10.791	0.928	1276.989	.072%	99.343%
49.0	9.521	0.834	1277.823	.065%	99.408%
50.0	8.429	0.748	1278.571	.058%	99.467%
51.0	7.414	0.670	1279.242	.052%	99.519%
52.0	6.652	0.604	1279.845	.047%	99.566%
53.0	5.890	0.546	1280.391	.042%	99.608%
54.0	5.230	0.490	1280.881	.038%	99.646%
55.0	4.748	0.445	1281.326	.035%	99.681%
56.0	4.037	0.397	1281.723	.031%	99.712%
57.0	3.555	0.347	1282.07	.027%	99.739%
58.0	3.072	0.306	1282.377	.024%	99.763%
59.0	2.717	0.271	1282.647	.021%	99.784%
60.0	2.234	0.234	1282.881	.018%	99.802%
61.0	1.955	0.200	1283.081	.016%	99.817%
62.0	1.447	0.164	1283.245	.013%	99.830%
63.0	1.168	0.127	1283.372	.010%	99.840%
64.0	0.736	0.093	1283.466	.007%	99.847%
65.0	0.406	0.057	1283.522	.004%	99.852%
66.0	0.152	0.028	1283.55	.002%	99.854%
67.0	0.051	0.010	1283.56	.001%	99.855%
68.0	0.000	0.003	1283.563	.000%	99.855%
69.0	0.000	0.000	1283.563	.000%	99.855%
70.0	0.000	0.000	1283.563	.000%	99.855%
71.0	0.000	0.000	1283.563	.000%	99.855%
72.0	0.000	0.000	1283.563	.000%	99.855%
73.0	0.000	0.000	1283.563	.000%	99.855%
74.0	0.000	0.000	1283.563	.000%	99.855%
75.0	0.000	0.000	1283.563	.000%	99.855%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.000	0.000	1283.563	.000%	99.855%
77.0	0.000	0.000	1283.563	.000%	99.855%
78.0	0.000	0.000	1283.563	.000%	99.855%
79.0	0.000	0.000	1283.563	.000%	99.855%
80.0	0.000	0.000	1283.563	.000%	99.855%
81.0	0.000	0.000	1283.563	.000%	99.855%
82.0	0.000	0.000	1283.563	.000%	99.855%
83.0	0.000	0.000	1283.563	.000%	99.855%
84.0	0.000	0.000	1283.563	.000%	99.855%
85.0	0.000	0.000	1283.563	.000%	99.855%
86.0	0.000	0.000	1283.563	.000%	99.855%
87.0	0.000	0.000	1283.563	.000%	99.855%
88.0	0.000	0.000	1283.563	.000%	99.855%
89.0	0.000	0.000	1283.563	.000%	99.855%
90.0	0.000	0.000	1283.563	.000%	99.855%
91.0	0.000	0.000	1283.563	.000%	99.855%
92.0	0.000	0.000	1283.563	.000%	99.855%
93.0	0.000	0.000	1283.563	.000%	99.855%
94.0	0.000	0.000	1283.563	.000%	99.855%
95.0	0.000	0.000	1283.563	.000%	99.855%
96.0	0.000	0.000	1283.563	.000%	99.855%
97.0	0.000	0.000	1283.563	.000%	99.855%
98.0	0.000	0.000	1283.563	.000%	99.855%
99.0	0.000	0.000	1283.563	.000%	99.855%
100.0	0.000	0.000	1283.563	.000%	99.855%
101.0	0.000	0.000	1283.563	.000%	99.855%
102.0	0.000	0.000	1283.563	.000%	99.855%
103.0	0.000	0.000	1283.563	.000%	99.855%
104.0	0.000	0.000	1283.563	.000%	99.855%
105.0	0.000	0.000	1283.563	.000%	99.855%
106.0	0.000	0.000	1283.563	.000%	99.855%
107.0	0.000	0.000	1283.563	.000%	99.855%
108.0	0.000	0.000	1283.563	.000%	99.855%
109.0	0.000	0.000	1283.563	.000%	99.855%
110.0	0.000	0.000	1283.563	.000%	99.855%
111.0	0.000	0.000	1283.563	.000%	99.855%
112.0	0.000	0.000	1283.563	.000%	99.855%
113.0	0.000	0.000	1283.563	.000%	99.855%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	1283.563	.000%	99.855%
115.0	0.000	0.000	1283.563	.000%	99.855%
116.0	0.000	0.000	1283.563	.000%	99.855%
117.0	0.000	0.000	1283.563	.000%	99.855%
118.0	0.000	0.000	1283.563	.000%	99.855%
119.0	0.000	0.000	1283.563	.000%	99.855%
120.0	0.000	0.000	1283.563	.000%	99.855%
121.0	0.000	0.000	1283.563	.000%	99.855%
122.0	0.000	0.000	1283.563	.000%	99.855%
123.0	0.000	0.000	1283.563	.000%	99.855%
124.0	0.000	0.000	1283.563	.000%	99.855%
125.0	0.000	0.000	1283.563	.000%	99.855%
126.0	0.000	0.000	1283.563	.000%	99.855%
127.0	0.000	0.000	1283.563	.000%	99.855%
128.0	0.000	0.000	1283.563	.000%	99.855%
129.0	0.000	0.000	1283.563	.000%	99.855%
130.0	0.000	0.000	1283.563	.000%	99.855%
131.0	0.000	0.000	1283.563	.000%	99.855%
132.0	0.000	0.000	1283.563	.000%	99.855%
133.0	0.000	0.000	1283.563	.000%	99.855%
134.0	0.000	0.000	1283.563	.000%	99.855%
135.0	0.000	0.000	1283.563	.000%	99.855%
136.0	0.000	0.000	1283.563	.000%	99.855%
137.0	0.000	0.000	1283.563	.000%	99.855%
138.0	0.000	0.000	1283.563	.000%	99.855%
139.0	0.000	0.000	1283.563	.000%	99.855%
140.0	0.000	0.000	1283.563	.000%	99.855%
141.0	0.000	0.000	1283.563	.000%	99.855%
142.0	0.000	0.000	1283.563	.000%	99.855%
143.0	0.000	0.000	1283.563	.000%	99.855%
144.0	0.000	0.000	1283.563	.000%	99.855%
145.0	0.000	0.000	1283.563	.000%	99.855%
146.0	0.000	0.000	1283.563	.000%	99.855%
147.0	0.076	0.002	1283.565	.000%	99.855%
148.0	0.203	0.008	1283.574	.001%	99.856%
149.0	0.406	0.017	1283.591	.001%	99.857%
150.0	0.432	0.023	1283.614	.002%	99.859%
151.0	0.660	0.029	1283.644	.002%	99.861%

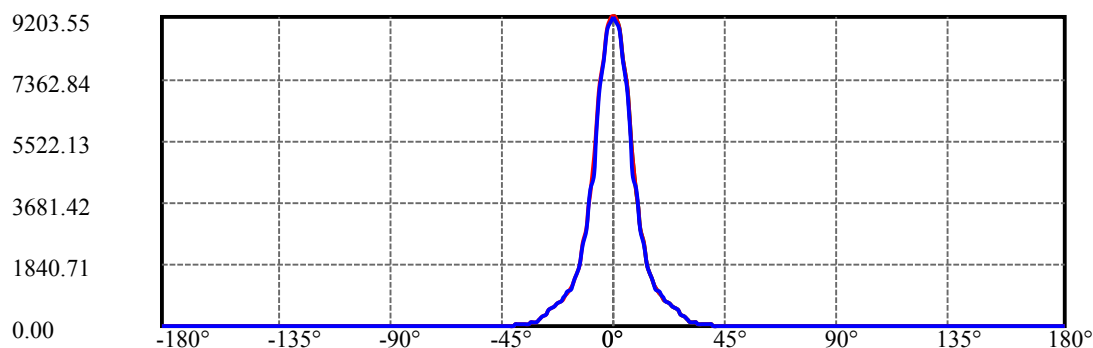
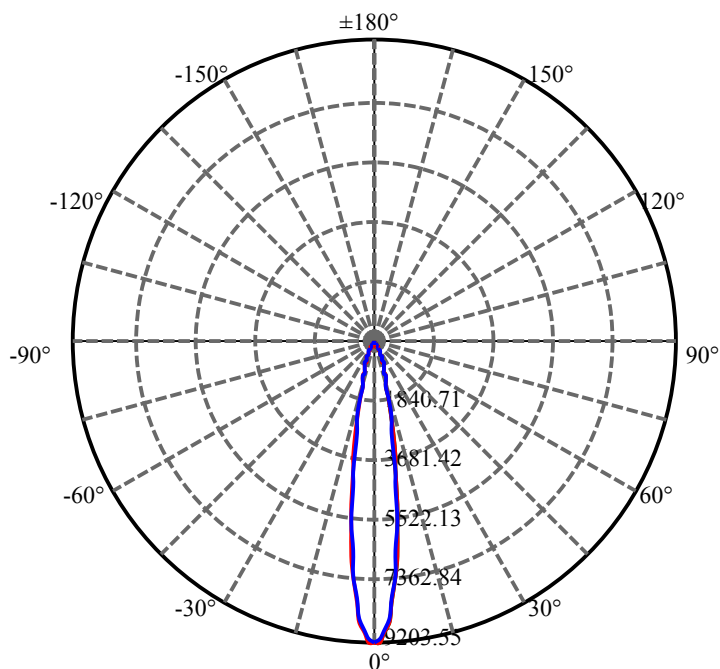
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.762	0.037	1283.681	.003%	99.864%
153.0	1.016	0.045	1283.726	.004%	99.868%
154.0	1.219	0.055	1283.781	.004%	99.872%
155.0	1.371	0.061	1283.842	.005%	99.877%
156.0	1.600	0.068	1283.909	.005%	99.882%
157.0	1.701	0.072	1283.982	.006%	99.887%
158.0	1.904	0.076	1284.057	.006%	99.893%
159.0	2.082	0.080	1284.137	.006%	99.900%
160.0	2.209	0.082	1284.22	.006%	99.906%
161.0	2.361	0.084	1284.303	.007%	99.913%
162.0	2.514	0.085	1284.388	.007%	99.919%
163.0	2.717	0.086	1284.474	.007%	99.926%
164.0	2.894	0.087	1284.562	.007%	99.933%
165.0	3.021	0.087	1284.648	.007%	99.939%
166.0	3.275	0.086	1284.735	.007%	99.946%
167.0	3.428	0.086	1284.821	.007%	99.953%
168.0	3.707	0.085	1284.905	.007%	99.959%
169.0	3.707	0.081	1284.986	.006%	99.966%
170.0	3.758	0.075	1285.061	.006%	99.971%
171.0	3.935	0.070	1285.131	.005%	99.977%
172.0	4.037	0.065	1285.195	.005%	99.982%
173.0	4.062	0.058	1285.253	.005%	99.986%
174.0	3.935	0.050	1285.303	.004%	99.990%
175.0	3.529	0.039	1285.342	.003%	99.993%
176.0	3.580	0.031	1285.373	.002%	99.996%
177.0	3.631	0.024	1285.397	.002%	99.998%
178.0	3.555	0.017	1285.414	.001%	99.999%
179.0	3.707	0.010	1285.424	.001%	100.000%
180.0	3.656	0.004	1285.428	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1221.89	95.06%
0-40	1266.04	98.49%
0-60	1282.88	99.80%
0-90	1283.56	99.85%
0-120	1283.56	99.85%
0-180	1285.43	100.00%
60-90	0.92	0.07%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.05	0.00%
90-180	1.86	0.14%
0-20.91	1028.34	80.00%

ZONAL LUMEN SUMMARY

0-10	557.99
10-20	442.79
20-30	221.11
30-40	44.16
40-50	12.53
50-60	4.31
60-70	0.68
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	0.00
140-150	0.05
150-160	0.61
160-170	0.84
170-180	0.36



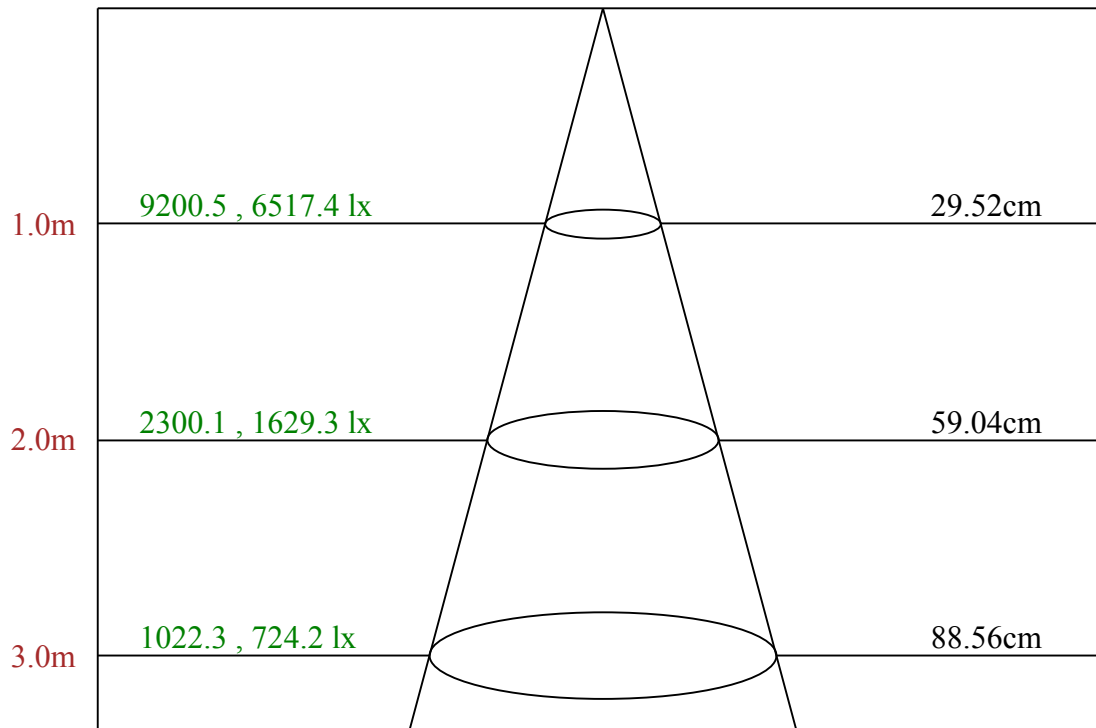
C0(Max): —————

C0/C180: —————

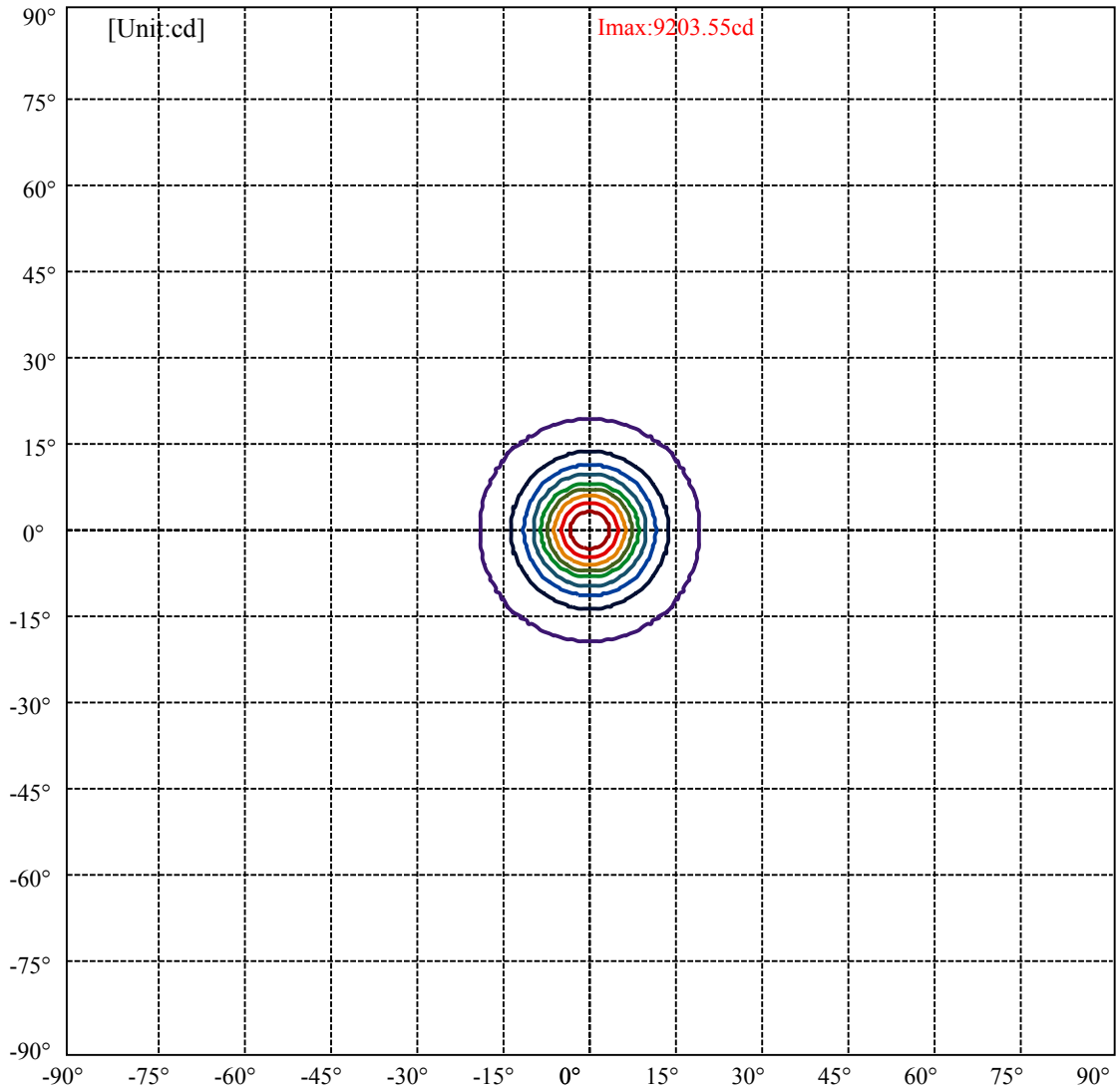
C90/C270: —————

Field angle(10%Imax):C0/180Left:18.8 Right:18.8
:C90/270Left:19.0 Right:19.0

Beam Angle(50%Imax):C0/180Left:8.4 Right:8.4
:C90/270Left:7.9 Right:7.9



Max , Ave Beam angle of C0 plane 16.79

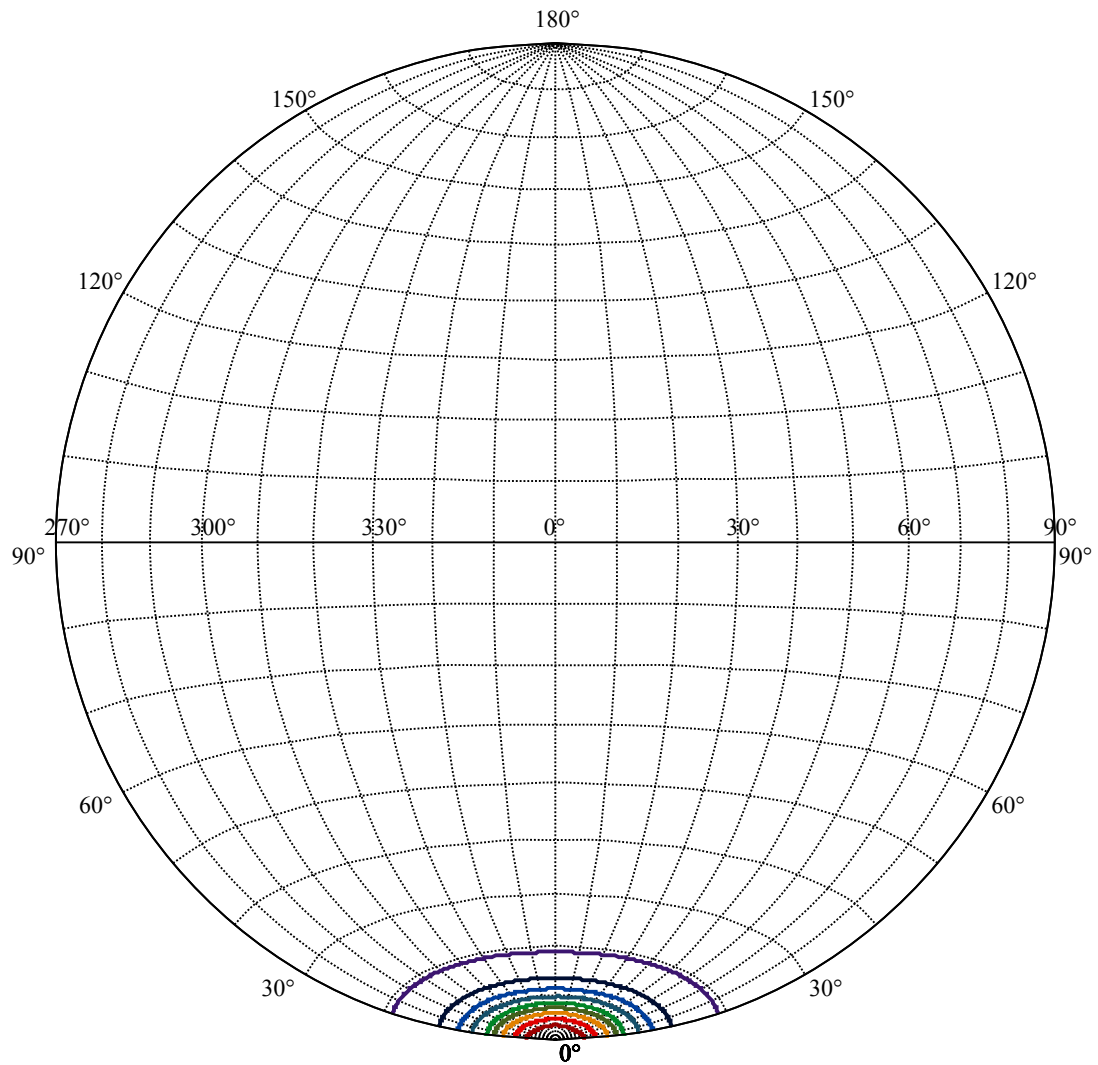


(10%Imax) 920.355	—
(20%Imax) 1840.71	—
(30%Imax) 2761.06	—
(40%Imax) 3681.42	—
(50%Imax) 4601.77	—
(60%Imax) 5522.13	—
(70%Imax) 6442.48	—
(80%Imax) 7362.84	—
(90%Imax) 8283.19	—

Equipment:
Temperature(°C): 25.0

Date: 2018-1-8
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25



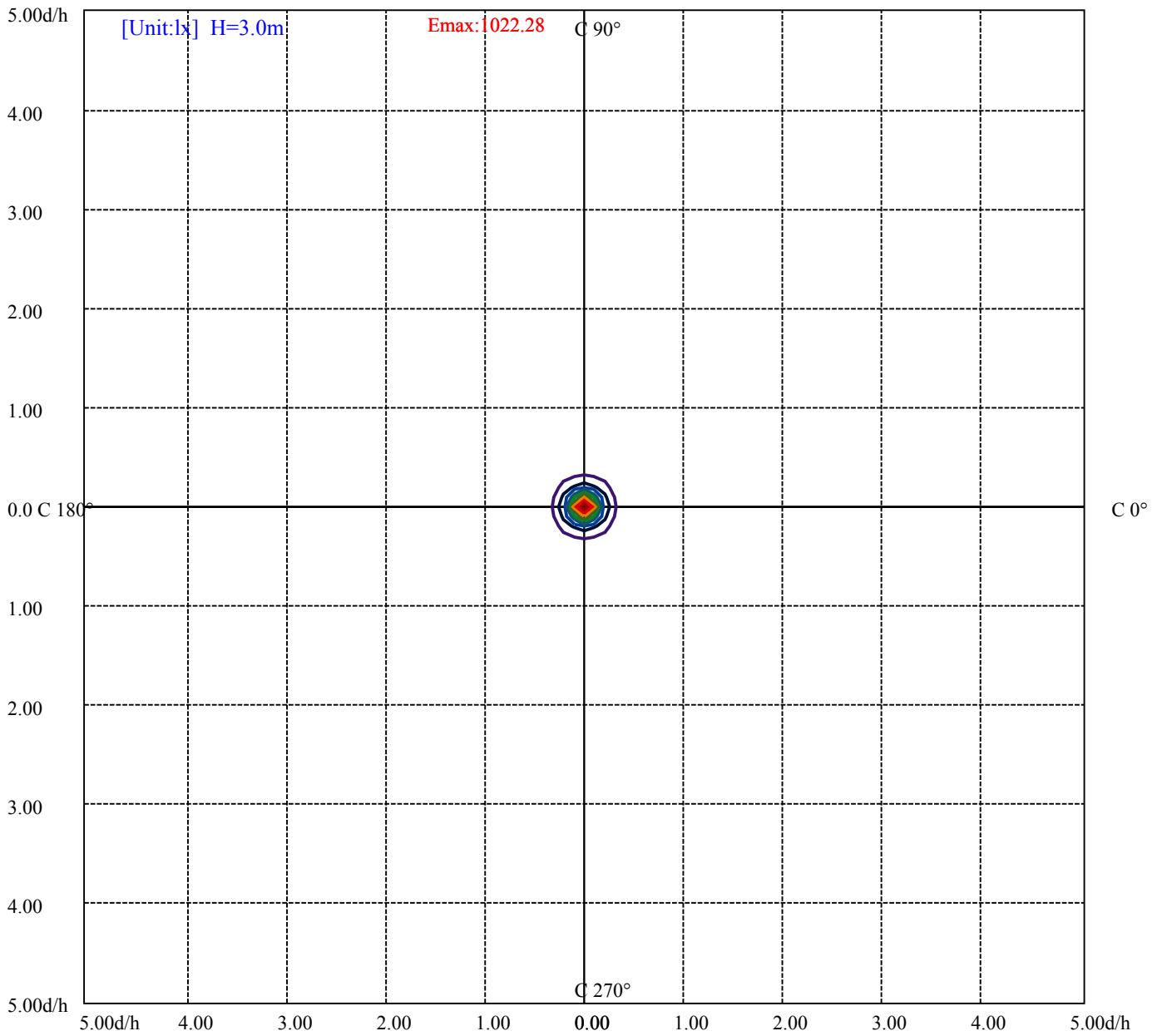
House

[Unit:cd]

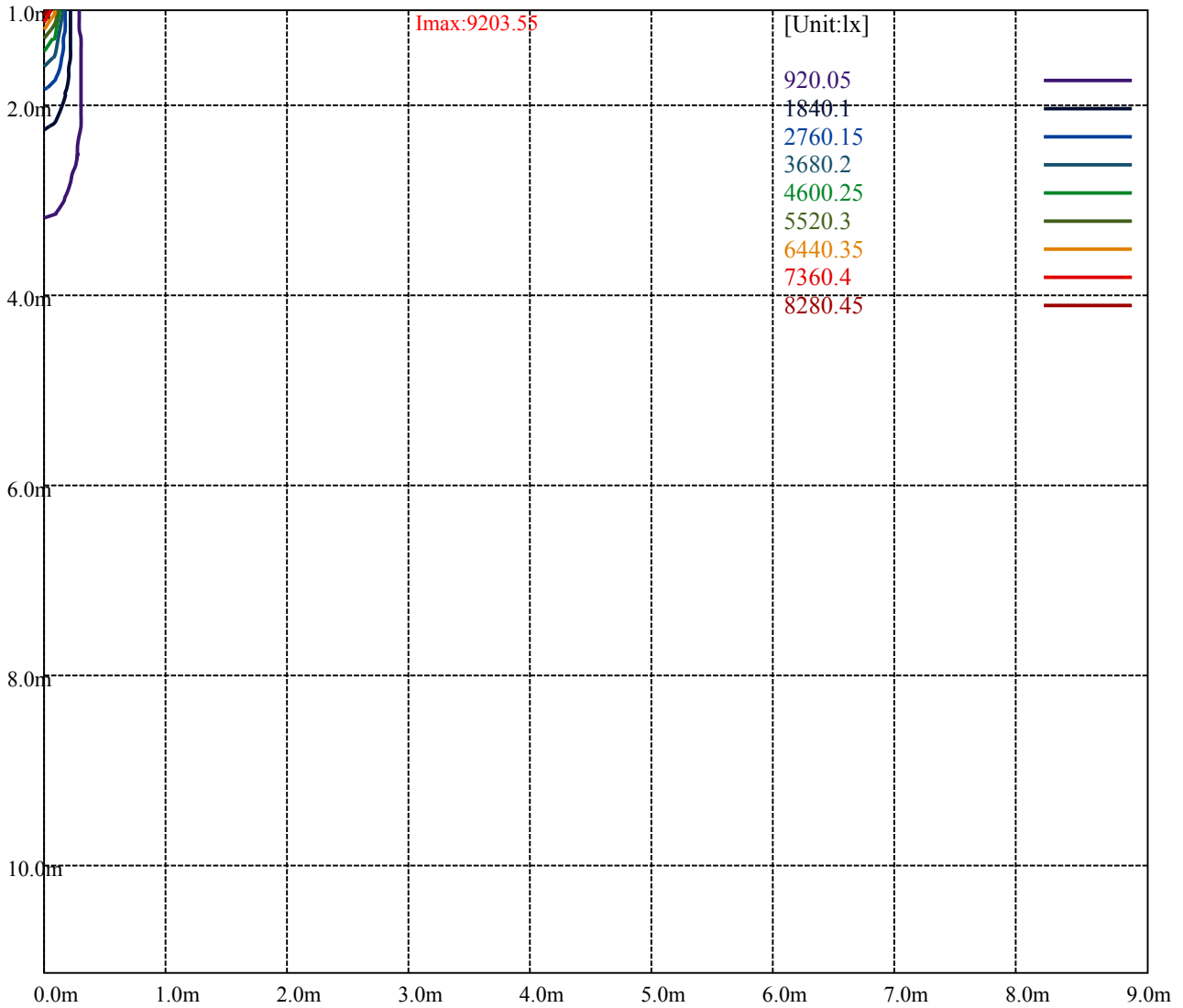
Road

Imax:9203.55

(10%Imax) 920.355	—
(20%Imax) 1840.71	—
(30%Imax) 2761.06	—
(40%Imax) 3681.42	—
(50%Imax) 4601.77	—
(60%Imax) 5522.13	—
(70%Imax) 6442.48	—
(80%Imax) 7362.84	—
(90%Imax) 8283.19	—



- (10%Emax) 102.2277
- (20%Emax) 204.4556
- (30%Emax) 306.6833
- (40%Emax) 408.9111
- (50%Emax) 511.1378
- (60%Emax) 613.3655
- (70%Emax) 715.5933
- (80%Emax) 817.8211
- (90%Emax) 920.049



Luminance Table

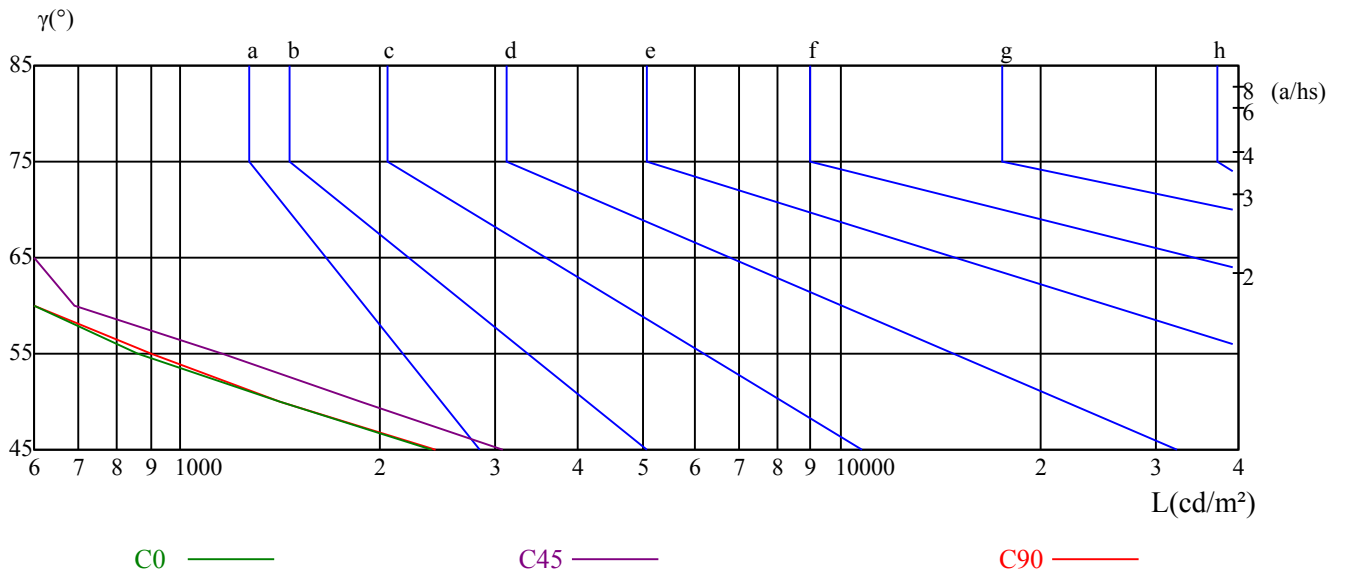
γ	45	50	55	60	65	70	75	80	85
C0	2404	1418	859	443	0	0	0	0	0
C45	3066	1878	1160	690	291	0	0	0	0
C90	2438	1418	902	443	0	0	0	0	0

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

Glare Table

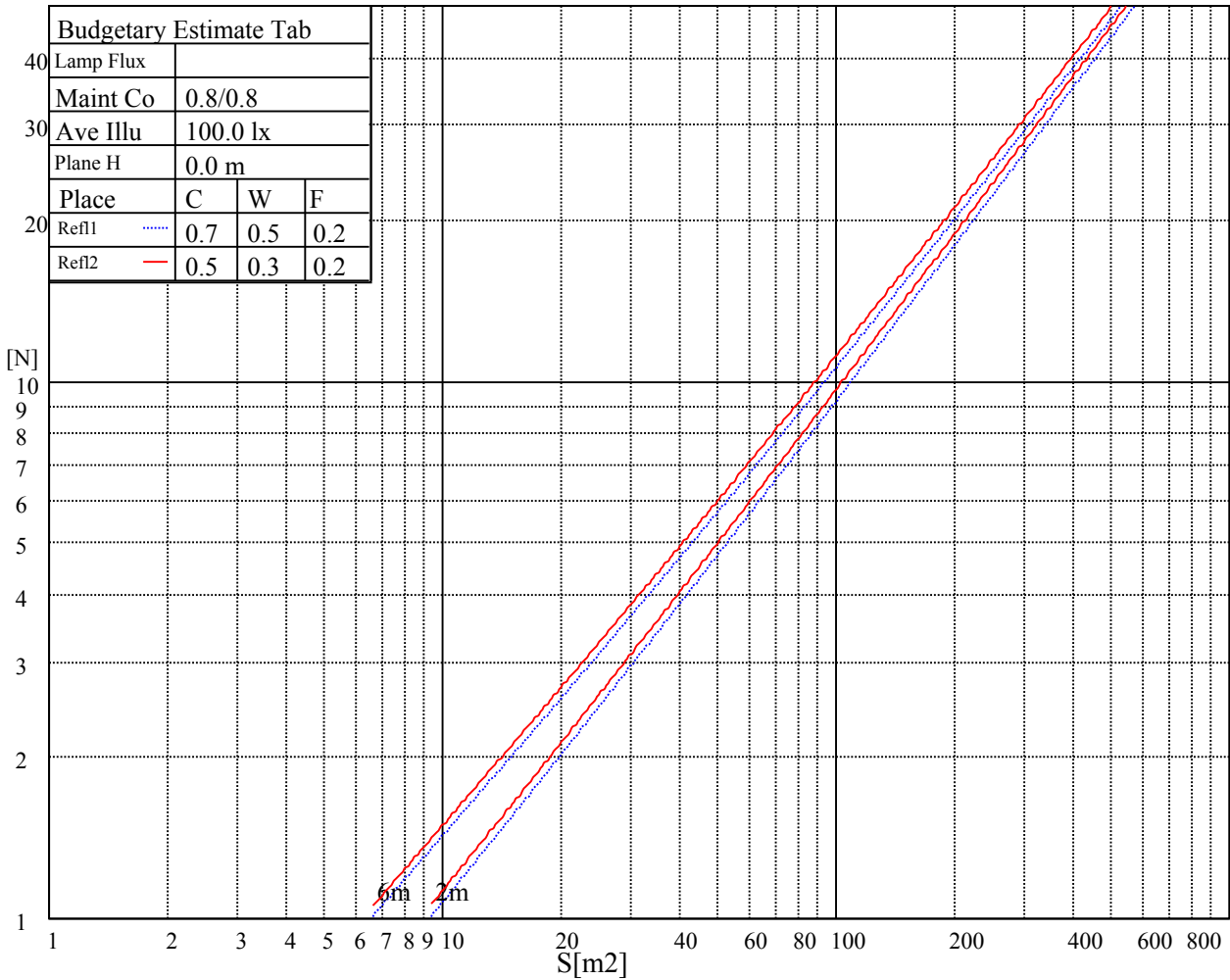
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

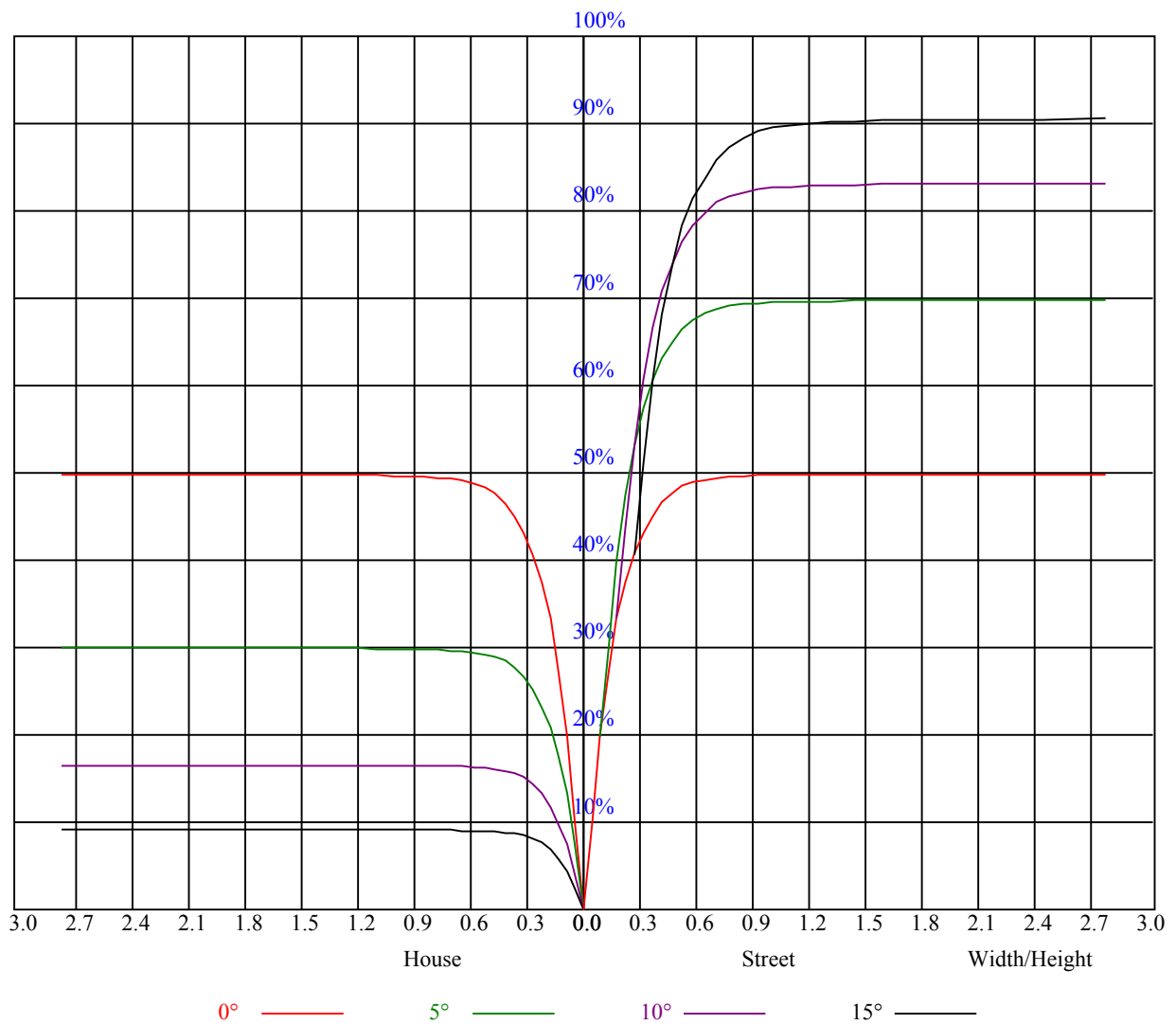


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	-3.27	-2.37	-2.90	-2.06	-1.75	-3.42	-2.52	-3.05	-2.21	-1.90
	3H	-3.48	-2.70	-3.10	-2.36	-1.99	-3.63	-2.85	-3.25	-2.51	-2.14
	4H	-3.59	-2.87	-3.18	-2.51	-2.12	-3.74	-3.02	-3.33	-2.66	-2.27
	6H	-3.71	-3.05	-3.29	-2.67	-2.28	-3.86	-3.20	-3.44	-2.82	-2.43
	8H	-3.77	-3.15	-3.34	-2.76	-2.35	-3.92	-3.30	-3.49	-2.91	-2.50
	12H	-3.84	-3.25	-3.40	-2.86	-2.43	-3.99	-3.40	-3.55	-3.01	-2.58
4H	2H	-3.41	-2.69	-3.01	-2.33	-1.94	-3.55	-2.83	-3.15	-2.48	-2.08
	3H	-3.64	-3.05	-3.23	-2.64	-2.23	-3.78	-3.19	-3.37	-2.78	-2.38
	4H	-3.77	-3.25	-3.33	-2.82	-2.37	-3.92	-3.39	-3.48	-2.96	-2.51
	6H	-3.89	-3.45	-3.42	-2.99	-2.52	-4.04	-3.59	-3.56	-3.14	-2.66
	8H	-3.97	-3.55	-3.49	-3.10	-2.62	-4.11	-3.70	-3.63	-3.24	-2.77
	12H	-4.04	-3.68	-3.55	-3.19	-2.71	-4.18	-3.83	-3.69	-3.34	-2.86
8H	4H	-3.97	-3.55	-3.49	-3.10	-2.62	-4.11	-3.70	-3.63	-3.24	-2.77
	6H	-4.10	-3.78	-3.59	-3.27	-2.78	-4.24	-3.92	-3.73	-3.41	-2.92
	8H	-4.18	-3.89	-3.64	-3.36	-2.87	-4.32	-4.03	-3.78	-3.51	-3.01
	12H	-4.10	-3.85	-3.57	-3.35	-2.77	-4.29	-4.04	-3.76	-3.54	-2.96
12H	4H	-4.04	-3.68	-3.55	-3.19	-2.71	-4.18	-3.83	-3.69	-3.34	-2.86
	6H	-4.01	-3.89	-3.64	-3.41	-2.86	-4.15	-4.03	-3.78	-3.56	-3.00
	8H	-4.24	-3.99	-3.71	-3.49	-2.91	-4.38	-4.13	-3.85	-3.63	-3.05

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 RHOF=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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97
2	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	0.99	1.00	0.99	0.97	0.98	0.96	0.95	0.94
3	1.04	1.00	0.97	1.02	0.99	0.97	1.00	0.97	0.95	0.98	0.95	0.94	0.95	0.94	0.92	0.91
4	1.00	0.96	0.93	0.99	0.95	0.93	0.97	0.94	0.91	0.95	0.92	0.90	0.93	0.91	0.89	0.88
5	0.96	0.92	0.89	0.95	0.92	0.89	0.94	0.91	0.88	0.92	0.90	0.88	0.91	0.89	0.87	0.86
6	0.93	0.89	0.86	0.93	0.89	0.86	0.91	0.88	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.83
7	0.90	0.86	0.84	0.90	0.86	0.83	0.89	0.85	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.81
8	0.88	0.84	0.81	0.87	0.84	0.81	0.87	0.83	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.79
9	0.86	0.82	0.79	0.85	0.81	0.79	0.84	0.81	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.77
10	0.83	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.76



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	9200.50	9203.55	8942.95	8544.02	7970.82	7245.07	6607.68	5756.61	5017.66
22.5	9200.50	9112.55	8835.29	8445.10	7902.36	7231.87	6479.72	5695.06	4791.59
45.0	9200.50	9117.02	8874.90	8430.68	7856.05	7200.99	6469.97	5709.89	4745.48
67.5	9200.50	9112.35	8873.07	8427.02	7849.96	7158.74	6507.75	5709.28	4588.67
90.0	9200.50	9107.07	8863.32	8470.08	7899.11	7155.49	6439.09	5573.60	4509.05
112.5	9200.50	9112.35	8873.07	8427.02	7849.96	7158.74	6507.75	5709.28	4588.67
135.0	9200.50	9117.02	8874.90	8430.68	7856.05	7200.99	6469.97	5709.89	4745.48
157.5	9200.50	9112.55	8835.29	8445.10	7902.36	7231.87	6479.72	5695.06	4791.59
180.0	9200.50	9203.55	8942.95	8544.02	7970.82	7245.07	6607.68	5756.61	5017.66
202.5	9200.50	9112.55	8835.29	8445.10	7902.36	7231.87	6479.72	5695.06	4791.59
225.0	9200.50	9117.02	8874.90	8430.68	7856.05	7200.99	6469.97	5709.89	4745.48
247.5	9200.50	9112.35	8873.07	8427.02	7849.96	7158.74	6507.75	5709.28	4588.67
270.0	9200.50	9107.07	8863.32	8470.08	7899.11	7155.49	6439.09	5573.60	4509.05
292.5	9200.50	9112.35	8873.07	8427.02	7849.96	7158.74	6507.75	5709.28	4588.67
315.0	9200.50	9117.02	8874.90	8430.68	7856.05	7200.99	6469.97	5709.89	4745.48
337.5	9200.50	9112.55	8835.29	8445.10	7902.36	7231.87	6479.72	5695.06	4791.59
360.0	9200.50	9203.55	8942.95	8544.02	7970.82	7245.07	6607.68	5756.61	5017.66
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3969.16	3547.48	2937.11	2455.71	2028.96	1715.95	1454.95	1268.48	1122.84
22.5	4118.04	3534.89	2903.80	2411.43	2010.48	1702.34	1442.15	1242.69	1091.56
45.0	4110.73	3508.28	2971.03	2438.25	2050.90	1691.17	1435.65	1245.33	1099.08
67.5	4111.75	3510.11	2889.78	2408.59	2013.52	1686.30	1447.63	1257.31	1110.66
90.0	4046.75	3476.19	2885.52	2422.40	2009.87	1695.44	1440.93	1259.95	1110.66
112.5	4226.71	3510.11	2889.78	2408.59	2013.52	1686.30	1447.63	1257.31	1110.66
135.0	4259.62	3508.28	2971.03	2438.25	2050.90	1691.17	1435.65	1245.33	1099.08
157.5	4260.43	3534.89	2903.80	2411.43	2010.48	1702.34	1442.15	1242.69	1091.56
180.0	3969.16	3547.48	2937.11	2455.71	2028.96	1715.95	1454.95	1268.48	1122.84
202.5	4118.04	3534.89	2903.80	2411.43	2010.48	1702.34	1442.15	1242.69	1091.56
225.0	4110.73	3508.28	2971.03	2438.25	2050.90	1691.17	1435.65	1245.33	1099.08
247.5	4111.75	3510.11	2889.78	2408.59	2013.52	1686.30	1447.63	1257.31	1110.66
270.0	4046.75	3476.19	2885.52	2422.40	2009.87	1695.44	1440.93	1259.95	1110.66
292.5	3996.58	3510.11	2889.78	2408.59	2013.52	1686.30	1447.63	1257.31	1110.66
315.0	3961.85	3508.28	2971.03	2438.25	2050.90	1691.17	1435.65	1245.33	1099.08
337.5	3975.66	3534.89	2903.80	2411.43	2010.48	1702.34	1442.15	1242.69	1091.56
360.0	3969.16	3547.48	2937.11	2455.71	2028.96	1715.95	1454.95	1268.48	1122.84
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	988.38	904.69	822.02	761.50	700.36	643.48	578.89	513.28	436.30
22.5	1008.89	917.69	823.24	753.78	693.65	636.78	573.20	505.16	428.99
45.0	1011.94	926.22	824.46	759.46	702.59	637.80	576.25	498.25	429.80
67.5	1010.32	926.63	823.45	758.45	701.37	639.22	573.41	504.35	434.68
90.0	1019.25	923.58	831.57	771.65	705.84	650.19	580.92	514.30	444.02
112.5	1010.32	926.63	823.45	758.45	701.37	639.22	573.41	504.35	434.68
135.0	1011.94	926.22	824.46	759.46	702.59	637.80	576.25	498.25	429.80
157.5	1008.89	917.69	823.24	753.78	693.65	636.78	573.20	505.16	428.99
180.0	988.38	904.69	822.02	761.50	700.36	643.48	578.89	513.28	436.30
202.5	1008.89	917.69	823.24	753.78	693.65	636.78	573.20	505.16	428.99
225.0	1011.94	926.22	824.46	759.46	702.59	637.80	576.25	498.25	429.80
247.5	1010.32	926.63	823.45	758.45	701.37	639.22	573.41	504.35	434.68
270.0	1019.25	923.58	831.57	771.65	705.84	650.19	580.92	514.30	444.02
292.5	1010.32	926.63	823.45	758.45	701.37	639.22	573.41	504.35	434.68
315.0	1011.94	926.22	824.46	759.46	702.59	637.80	576.25	498.25	429.80
337.5	1008.89	917.69	823.24	753.78	693.65	636.78	573.20	505.16	428.99
360.0	988.38	904.69	822.02	761.50	700.36	643.48	578.89	513.28	436.30

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	364.80	291.27	222.62	174.48	137.72	107.65	88.76	73.53	59.51
22.5	352.82	286.40	223.23	174.07	136.09	108.06	86.94	71.70	60.94
45.0	349.97	286.20	220.99	174.89	135.28	109.28	88.56	73.94	61.55
67.5	358.91	290.26	227.49	175.90	136.29	109.28	88.76	73.33	60.73
90.0	361.76	294.52	233.59	178.75	136.09	108.06	87.95	68.45	53.22
112.5	358.91	290.26	227.49	175.90	136.29	109.28	88.76	73.33	60.73
135.0	349.97	286.20	220.99	174.89	135.28	109.28	88.56	73.94	61.55
157.5	352.82	286.40	223.23	174.07	136.09	108.06	86.94	71.70	60.94
180.0	364.80	291.27	222.62	174.48	137.72	107.65	88.76	73.53	59.51
202.5	352.82	286.40	223.23	174.07	136.09	108.06	86.94	71.70	60.94
225.0	349.97	286.20	220.99	174.89	135.28	109.28	88.56	73.94	61.55
247.5	358.91	290.26	227.49	175.90	136.29	109.28	88.76	73.33	60.73
270.0	361.76	294.52	233.59	178.75	136.09	108.06	87.95	68.45	53.22
292.5	358.91	290.26	227.49	175.90	136.29	109.28	88.76	73.33	60.73
315.0	349.97	286.20	220.99	174.89	135.28	109.28	88.56	73.94	61.55
337.5	352.82	286.40	223.23	174.07	136.09	108.06	86.94	71.70	60.94
360.0	364.80	291.27	222.62	174.48	137.72	107.65	88.76	73.53	59.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	48.55	39.81	34.12	29.25	25.80	22.55	19.91	18.08	16.05
22.5	52.00	44.69	38.39	32.91	28.64	24.98	21.94	19.50	17.06
45.0	52.00	45.09	39.61	34.73	30.87	27.83	24.78	22.55	20.11
67.5	50.98	43.47	36.97	32.09	27.62	24.37	21.73	19.30	17.06
90.0	44.89	37.78	32.91	28.64	25.59	22.55	20.31	18.08	15.84
112.5	50.98	43.47	36.97	32.09	27.62	24.37	21.73	19.30	17.06
135.0	52.00	45.09	39.61	34.73	30.87	27.83	24.78	22.55	20.11
157.5	52.00	44.69	38.39	32.91	28.64	24.98	21.94	19.50	17.06
180.0	48.55	39.81	34.12	29.25	25.80	22.55	19.91	18.08	16.05
202.5	52.00	44.69	38.39	32.91	28.64	24.98	21.94	19.50	17.06
225.0	52.00	45.09	39.61	34.73	30.87	27.83	24.78	22.55	20.11
247.5	50.98	43.47	36.97	32.09	27.62	24.37	21.73	19.30	17.06
270.0	44.89	37.78	32.91	28.64	25.59	22.55	20.31	18.08	15.84
292.5	50.98	43.47	36.97	32.09	27.62	24.37	21.73	19.30	17.06
315.0	52.00	45.09	39.61	34.73	30.87	27.83	24.78	22.55	20.11
337.5	52.00	44.69	38.39	32.91	28.64	24.98	21.94	19.50	17.06
360.0	48.55	39.81	34.12	29.25	25.80	22.55	19.91	18.08	16.05
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	14.02	12.39	10.97	9.55	8.53	7.52	6.70	5.89	5.28
22.5	15.03	13.20	11.78	10.36	9.14	8.12	7.11	6.50	5.69
45.0	17.87	16.05	14.22	12.80	11.17	9.95	8.73	7.72	6.91
67.5	15.03	13.41	11.58	10.36	9.14	8.12	7.11	6.50	5.69
90.0	14.22	12.59	11.17	9.75	8.73	7.52	6.70	5.89	5.28
112.5	15.03	13.41	11.58	10.36	9.14	8.12	7.11	6.50	5.69
135.0	17.87	16.05	14.22	12.80	11.17	9.95	8.73	7.72	6.91
157.5	15.03	13.20	11.78	10.36	9.14	8.12	7.11	6.50	5.69
180.0	14.02	12.39	10.97	9.55	8.53	7.52	6.70	5.89	5.28
202.5	15.03	13.20	11.78	10.36	9.14	8.12	7.11	6.50	5.69
225.0	17.87	16.05	14.22	12.80	11.17	9.95	8.73	7.72	6.91
247.5	15.03	13.41	11.58	10.36	9.14	8.12	7.11	6.50	5.69
270.0	14.22	12.59	11.17	9.75	8.73	7.52	6.70	5.89	5.28
292.5	15.03	13.41	11.58	10.36	9.14	8.12	7.11	6.50	5.69
315.0	17.87	16.05	14.22	12.80	11.17	9.95	8.73	7.72	6.91
337.5	15.03	13.20	11.78	10.36	9.14	8.12	7.11	6.50	5.69
360.0	14.02	12.39	10.97	9.55	8.53	7.52	6.70	5.89	5.28

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	4.67	4.06	3.45	2.84	2.44	2.03	1.83	1.42	1.02
22.5	5.08	4.67	3.86	3.45	3.05	2.64	2.03	1.83	1.22
45.0	6.09	5.48	4.87	4.27	3.66	3.45	2.84	2.44	2.03
67.5	5.08	4.67	3.86	3.45	3.05	2.64	2.23	2.03	1.42
90.0	4.67	4.27	3.66	3.25	2.64	2.23	1.83	1.62	1.22
112.5	5.08	4.67	3.86	3.45	3.05	2.64	2.23	2.03	1.42
135.0	6.09	5.48	4.87	4.27	3.66	3.45	2.84	2.44	2.03
157.5	5.08	4.67	3.86	3.45	3.05	2.64	2.03	1.83	1.22
180.0	4.67	4.06	3.45	2.84	2.44	2.03	1.83	1.42	1.02
202.5	5.08	4.67	3.86	3.45	3.05	2.64	2.03	1.83	1.22
225.0	6.09	5.48	4.87	4.27	3.66	3.45	2.84	2.44	2.03
247.5	5.08	4.67	3.86	3.45	3.05	2.64	2.23	2.03	1.42
270.0	4.67	4.27	3.66	3.25	2.64	2.23	1.83	1.62	1.22
292.5	5.08	4.67	3.86	3.45	3.05	2.64	2.23	2.03	1.42
315.0	6.09	5.48	4.87	4.27	3.66	3.45	2.84	2.44	2.03
337.5	5.08	4.67	3.86	3.45	3.05	2.64	2.03	1.83	1.22
360.0	4.67	4.06	3.45	2.84	2.44	2.03	1.83	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	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	1.02	0.61	0.20	0.00	0.00	0.00	0.00	0.00	0.00
45.0	1.62	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
67.5	1.22	0.61	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	0.61	0.41	0.00	0.00	0.00	0.00	0.00	0.00
135.0	1.62	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
157.5	1.02	0.61	0.20	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.81	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	1.02	0.61	0.20	0.00	0.00	0.00	0.00	0.00	0.00
225.0	1.62	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
247.5	1.22	0.61	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	0.61	0.41	0.00	0.00	0.00	0.00	0.00	0.00
315.0	1.62	1.42	1.02	0.61	0.20	0.00	0.00	0.00	0.00
337.5	1.02	0.61	0.20	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.81	0.20	0.00	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	0.00	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(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
22.5	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.61	0.61
45.0	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.81	0.81
67.5	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
90.0	0.00	0.00	0.00	0.00	0.20	0.41	0.61	0.61	0.81
112.5	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
135.0	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.81	0.81
157.5	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.61	0.61
180.0	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
202.5	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.61	0.61
225.0	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.81	0.81
247.5	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
270.0	0.00	0.00	0.00	0.00	0.20	0.41	0.61	0.61	0.81
292.5	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
315.0	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.81	0.81
337.5	0.00	0.00	0.00	0.00	0.20	0.41	0.41	0.61	0.61
360.0	0.00	0.00	0.00	0.20	0.20	0.41	0.41	0.61	0.81
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.81	1.22	1.42	1.62	1.62	1.83	1.83	2.03	2.23
22.5	1.02	1.22	1.22	1.42	1.62	1.83	2.03	2.23	2.23
45.0	1.02	1.22	1.42	1.62	1.83	2.03	2.23	2.23	2.44
67.5	1.02	1.22	1.42	1.62	1.62	1.83	2.03	2.23	2.44
90.0	1.22	1.22	1.42	1.83	1.83	2.03	2.23	2.23	2.44
112.5	1.02	1.22	1.42	1.62	1.62	1.83	2.03	2.23	2.44
135.0	1.02	1.22	1.42	1.62	1.83	2.03	2.23	2.23	2.44
157.5	1.02	1.22	1.22	1.42	1.62	1.83	2.03	2.23	2.23
180.0	0.81	1.22	1.42	1.62	1.62	1.83	1.83	2.03	2.23
202.5	1.02	1.22	1.22	1.42	1.62	1.83	2.03	2.23	2.23
225.0	1.02	1.22	1.42	1.62	1.83	2.03	2.23	2.23	2.44
247.5	1.02	1.22	1.42	1.62	1.62	1.83	2.03	2.23	2.44
270.0	1.22	1.22	1.42	1.83	1.83	2.03	2.23	2.23	2.44
292.5	1.02	1.22	1.42	1.62	1.62	1.83	2.03	2.23	2.44
315.0	1.02	1.22	1.42	1.62	1.83	2.03	2.23	2.23	2.44
337.5	1.02	1.22	1.22	1.42	1.62	1.83	2.03	2.23	2.23
360.0	0.81	1.22	1.42	1.62	1.62	1.83	1.83	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	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
22.5	2.44	2.64	2.84	3.05	3.25	3.45	3.86	3.45	3.66
45.0	2.44	2.64	3.05	3.05	3.25	3.66	3.86	4.06	4.27
67.5	2.64	2.84	2.84	3.05	3.45	3.45	3.66	3.86	3.45
90.0	2.64	2.84	3.05	3.05	3.25	3.25	3.66	3.66	3.86
112.5	2.64	2.84	2.84	3.05	3.45	3.45	3.66	3.86	3.45
135.0	2.44	2.64	3.05	3.05	3.25	3.66	3.86	4.06	4.27
157.5	2.44	2.64	2.84	3.05	3.25	3.45	3.86	3.45	3.66
180.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
202.5	2.44	2.64	2.84	3.05	3.25	3.45	3.86	3.45	3.66
225.0	2.44	2.64	3.05	3.05	3.25	3.66	3.86	4.06	4.27
247.5	2.64	2.84	2.84	3.05	3.45	3.45	3.66	3.86	3.45
270.0	2.64	2.84	3.05	3.05	3.25	3.25	3.66	3.66	3.86
292.5	2.64	2.84	2.84	3.05	3.45	3.45	3.66	3.86	3.45
315.0	2.44	2.64	3.05	3.05	3.25	3.66	3.86	4.06	4.27
337.5	2.44	2.64	2.84	3.05	3.25	3.45	3.86	3.45	3.66
360.0	2.44	2.64	2.64	2.84	3.05	3.05	3.25	3.25	3.45
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	3.45	3.45	3.45	3.66	3.45	3.45	3.66	3.66	3.66
22.5	4.06	4.27	4.47	3.86	3.45	3.66	3.66	3.45	3.66
45.0	4.47	4.67	4.27	4.27	3.66	3.66	3.66	3.66	3.86
67.5	3.45	3.45	3.66	3.66	3.45	3.45	3.66	3.45	3.66
90.0	4.06	4.06	4.27	4.27	3.66	3.66	3.45	3.66	3.66
112.5	3.45	3.45	3.66	3.66	3.45	3.45	3.66	3.45	3.66
135.0	4.47	4.67	4.27	4.27	3.66	3.66	3.66	3.66	3.86
157.5	4.06	4.27	4.47	3.86	3.45	3.66	3.66	3.45	3.66
180.0	3.45	3.45	3.45	3.66	3.45	3.45	3.66	3.66	3.66
202.5	4.06	4.27	4.47	3.86	3.45	3.66	3.66	3.45	3.66
225.0	4.47	4.67	4.27	4.27	3.66	3.66	3.66	3.66	3.86
247.5	3.45	3.45	3.66	3.66	3.45	3.45	3.66	3.45	3.66
270.0	4.06	4.06	4.27	4.27	3.66	3.66	3.45	3.66	3.66
292.5	3.45	3.45	3.66	3.66	3.45	3.45	3.66	3.45	3.66
315.0	4.47	4.67	4.27	4.27	3.66	3.66	3.66	3.66	3.86
337.5	4.06	4.27	4.47	3.86	3.45	3.66	3.66	3.45	3.66
360.0	3.45	3.45	3.45	3.66	3.45	3.45	3.66	3.66	3.66
C/γ(°)	180.0								
0.0	3.66								
22.5	3.66								
45.0	3.66								
67.5	3.66								
90.0	3.66								
112.5	3.66								
135.0	3.66								
157.5	3.66								
180.0	3.66								
202.5	3.66								
225.0	3.66								
247.5	3.66								
270.0	3.66								
292.5	3.66								
315.0	3.66								
337.5	3.66								
360.0	3.66								